

Adam **6. Rankin** 18 PM04:24 Phone (505) 988-4421 Fax (505) 983-6043 agrankin@hollandhart.com

Case 16130

April 3, 2018

VIA HAND DELIVERY

Heather Riley, Director Oil Conservation Division 1220 South Saint Francis Drive Santa Fe, New Mexico 87505

Re: Application of Black River Water Management Company, LLC for a Salt Water Disposal Well and Authorization to Inject Through Its Proposed Malaga SWD No. 4 Well, Eddy County, New Mexico.

Dear Ms. Riley:

Enclosed in triplicate is the above-referenced application of Black River Water Management Company, LLC ("Black River"), as well as a copy of a legal advertisement. Black River respectfully requests that this matter be placed on the docket for the May 3, 2018, examiner hearing.

Very truly yours,

Adam G. Rankin

BLACK RIVER WATER MANAGEMENT COMPANY, LLC

Enclosures

Case (**b** | 30_{Revised March 23, 2017}

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		RATIVE APPLICAT		
THIS	CHECKLIST IS MANDATORY FOR A REGULATIONS WHICH R	LL ADMINISTRATIVE APPLI EQUIRE PROCESSING AT TH		
	iver Water Management Comp	any, LLC		GRID Number: <u>371287</u>
Well Name: Mala				1: 30-025-44514
Pool: SWD; Devonia	1		Ро	ol Code: 96101
SUBMIT ACCUR	ATE AND COMPLETE IN	FORMATION REQU	JIRED TO PROCE	SS THE TYPE OF APPLICATION
		INDICATED BEL		
1) TYPE OF APPL	ICATION: Check those	which apply for (Αì	
	- Spacing Unit - Simul			
	NSL NSPIP	ROJECT AREA)	SP(PRORATION UNIT)	□SD
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H. No no	ince required			
B) CERTIFICATION	1: I hėreby certify that	the information su	ubmitted with th	is application for
	approval is accurate			
			ation until the re	equired information and
notifications a	re submitted to the Div	rision.		
No	ite: \$latement must be comple	ted by an individual wit	h managerial and/or	supervisory capacity.
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n.: 15 1			1-28-18 Date	WPROME TO A STATE OF THE PARTY
Brian Wood			som Sail But	
Print or Type Name	1 1		505 466-8120	
1721	/ _ /		Phone Numb	per
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Signature

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

1.	PURPOSE: Application quali		Secondary I ministrative			Pressu XYes	re Maintenance	₽ No	XXX Disposal	Storage
П.	OPERATOR:	BLACK	RIVER	WATER	MANAGEM	ENT	COMPANY,	LLC		
	ADDRESS:	5400	LBJ FR	EEWAY,	SUITE 1	1500	, DALLAS	TX 7	5240	
	CONTACT PAR	TY: BRI	IAN WOO	D (PER	MITS WES	ST,	INC.)		PHONE: <u>505</u>	466-8120
111.					reverse side o if necessary.	of this f	form for each w	vell prop	osed for injection.	
IV.	Is this an expansi If yes, give the D	on of an ex ivision ord	cisting proje ler number a	ect? authorizing	Yes the project:		XXX No			V
V.	Attach a map that drawn around each								ell with a one-half mil	e radius circle
VI.	Attach a tabulatio Such data shall in schematic of any	iclude a des	scription of	each well's	type, constru	he area iction,	date drilled, lo	cation, d	rate the proposed injection epth, record of complete.	etion zone. etion, and a
	•				guig detain,				a SWD 4	
VII.	Attach data on the	• •	•	_					5-44514	
	 Whether the s Proposed aver Sources and a produced wat If injection is 	ystem is of rage and m n appropria er; and, for disposa	pen or close aximum inj ate analysis il purposes	d; ection pres of injectio into a zone	sure; n fluid and co not productiv	mpatib	oility with the re	eceiving	formation if other that the mile of the proposed in existing literature, st	well, attach a
*VIII.	depth. Give the g	eologic nai Iids concei	me, and dep ntrations of	oth to botto 10,000 mg	m of all under /I or less) ove	rground	d sources of dri	inking w	geologic name, thickreater (aquifers containi zone as well as any su	ng waters with
X.	Describe the prop	osed stimu	lation progr	ram, if any.						
X.	Attach appropriate	e logging a	nd test data	on the wel	I. (If well log	gs have	been filed with	h the Div	vision, they need not b	e resubmitted).
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.									
KII.	Applicants for dis data and find no e sources of drinking	vidence of	s must mak Lopen faults	e an affirm s or any oth	ative stateme er hydrologic	nt that conne	they have exan	nined av the dispo	ailable geologic and e osal zone and any und	ngineering erground
ŒΠ.	Applicants must co	omplete the	e "Proof of	Notice" see	ction on the re	everse s	side of this fon	n.		
	Certification: Ther and belief.	eby certify	y that the in	formation :	submitted wit	h-this a	pplication is tr	we and e	orrect to the best of m	y knowledge
	NAME: BRIAN	I WOOD	7	1		man or processing and a second a	TITL	.E: <u>C</u> O	NSULTANT	
	SIGNATURE:		4	J 004			-Mademiller steed to deleteration to committee decreases	DAT	TE: JAN. 11, 2	2018
	E-MAIL ADDRES If the information r Please show the dat	equired un	der Section	s VI, VIII,	X, and XI ab	ove has	s been previous	sly subm	itted, it need not be re	submitted.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any,

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and.
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

OPERATOR: BLACK RIVER WATER MANAGEMENT COMPANY, LLC

WELL NAME & NUMBER:	BER:_	MALAGA	SA SWD 4				
WELL LOCATION:	1489'	FNL &	490' FWL	ы	11	24 S	28 E
	FOO	TAGE L	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELL	BORES	WELLBORE SCHEMATIC	<u>77.</u>		WELL CONSTR	WELL CONSTRUCTION DATA	
iu)	(not to scale)	ale)			סמו ושכם	dalli da	
7997 7997 7997		0,500	20" 94# in	Hole Size:	26"	Casing Size: 20"	
98/98/98 98/98/98 98/98/98		\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Cemented with:	1400 sx.	or	ft³
9/9/9/ 9/9/9/ 9/9/9/		******		Top of Cement:	SURFACE	Method Determined: _	VISUAL
00000 00000	,081	454545	· 2023.9		Intermediate Casing	Casing	
2012/2012 2012/	'ხ[≈ @ ნი	15151515151	16" 84# in 18.125" hole @ 2,700' TOC (1,400 sx) = GL	Hole Size: 18.	18.125" & 14.75"	Casing Size: 16" &	10.75"
-1990 1200	11 OGI 1			Cemented with: 1,400	400 & 3,700 sx.	or	ft³
9099) 9099)	S.A		10.75" 47# in 14.75" hole @ 10,800'	Top of Cement:	SURFACE	Method Determined:	VISUAL
•			10C (3,700 SX) = GL		Production Casing	Casing	
(1) -		-	7.625" 29.7# & 33.7# in	Hole Size:	9.5"	Casing Size: 7 . 625 "	0 14,230
packer (© .: ≈14,180' .:		9.5°	9.5" hole @ 14,230' TOC (1,050 sx) = 8,000' (CBL)	Cemented with:	1,050 sx.	or	H³
Devonian 6.5" open hole				Top of Cement:	8,000'	Method Determined: _	CBL
14,230' - 15,103'				Total Depth:	14,230'		
	 TD 15,103'	čs			Injection Interval	nterval	
				14,230	0 ' feet	to	15,103'

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tut	Tubing Size: 4.5" Lining Material: IPC
Tyl	Type of Packer: STAINLESS STEEL &/OR NICKEL
Рас	Packer Setting Depth: ≈14,180'
Otl	Other Type of Tubing/Casing Seal (if applicable):
	Additional Data
<u> </u>	Is this a new well drilled for injection? XXX Yes No
	If no, for what purpose was the well originally drilled?
7	Name of the Injection Formation: DEVONIAN
ί	Name of Field or Pool (if applicable): SWD; DEVONIAN (POOL CODE 96101)
4.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
	NO
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
	OVER: DELAWARE (2619'), BONE SPRING (6356'), WOLFCAMP (9496'), ATOKA (11726'), & MORROW (12273')
	UNDER: none

1489' FNL & 490' FWL SEC. 11, T. 24 S., R. 28 E., EDDY COUNTY, NM

30-015-44514

I. Goal is to drill a 15,103' deep commercial saltwater disposal well. Proposed disposal interval will be 14,228' – 15,103' in the SWD; Devonian (96101). See Exhibit A for C-102 and map.

II. Operator: Black River Water Management Company, LLC [OGRID 371287]

Operator phone number: (972) 371-5420

Operator address: 5400 LBJ Freeway, Suite 1500

Dallas TX 75240

Contact for Application: Brian Wood (Permits West, Inc.)

Phone: (505) 466-8120

III. A. (1) Lease name: Malaga SWD (fee)

Well name and number: Malaga SWD 4

Location: 1489' FNL & 490' FWL, Section 11, T. 43 S., R. 28 E.

A. (2) Surface casing (20", 94#, K-55, BTC) will be set at 550' in a 26" hole and cemented to the surface with 1400 sacks.

First intermediate casing (16", 84#, K-55, BTC) will be set at 2,700' in an 18.125" hole and cemented to surface with 1,400 sacks

Second intermediate casing (10.75", 47#, P-110 HC) will be set at 10,800' in a 14.75" hole and cemented to surface with 3,700 sacks.

Production casing (7.625", 29.7# P-110 HC, BTC from GL to 9,400' & 7.625", 33.7# P110 EC, BTC from 9,400' to 13,650') will be set at 14,230' in a 9.5" hole and cemented to 8,000' (CBL) with 1,050 sacks.

A 6.5" open hole will be drilled to 15,103'.

A. (3) Tubing will be IPC, 4.5", 11.6#, P-110, IC, BTC. Setting depth will be ≈14,180'. (Disposal interval will be 14,230' to 15,103'.)



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30-015-44514

- A. (4) A stainless steel and/or nickel packer will be set at $\approx 14,180$ ' (or ≤ 100 ' above the top of the open hole which will be at 14,230').
- B. (1) Disposal zone will be the Devonian (SWD; Devonian (96101) pool). Estimated fracture gradient is ≈ 0.62 to ≈ 0.68 psi per foot. Variation depends on whether limestone or dolomite.
- B. (2) Disposal interval will be open hole from 14,230' to 15,103'.
- B. (3) Well has not been drilled. It will be drilled as a saltwater disposal well.
- B. (4) No perforated intervals are in the well.
- B. (5) Two zones currently produce in the area of review and above the Devonian (14,228'). Those two zones and their tops are the Wolfcamp (9,496') and Morrow (12,273'). A Bone Spring (6,356') well has been approved in the area of review, but not yet drilled. No oil or gas zone is below the Devonian in the area of review.
- IV. This is not an expansion of an existing injection project. It is disposal only.
- V. Exhibit B shows and tabulates the 9 existing wells (all gas) + 1 approved (oil) well within a half-mile radius. None of the 10 wells did or will penetrate the Devonian. Exhibit C shows all 167 existing wells (106 oil or gas wells + 37 water wells + 22 P & A wells + 2 injection or disposal wells) within a two-mile radius.

All land within a half-mile radius is leased. All leases within a half-mile radius are fee. Exhibits D & E show all leases within a half-mile and two-mile radius.

VI. No Devonian penetrator is within a half-mile. Deepest (12,834' TVD) well (30-015-21786) within a half-mile bottomed in the Morrow, 1394' above the Devonian.



BLACK RIVER WATER MANAGEMENT COMPANY, LLC MALAGA SWD 4 1489' FNL & 490' FWL SEC. 11, T. 24 S., R. 28 E., EDDY COUNTY, NM

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- VII. 1. Average injection rate will be ≈30,000 bwpd.Maximum injection rate will be ≈40,000 bwpd.
 - 2. System will be open and closed. Water will both be trucked and piped.
 - 3. Average injection pressure will be ≈2,500 psi
 Maximum injection pressure will be 2,846 psi (= 0.2 psi/foot x 14,230' (top of open hole)).
 - 4. Disposal water will be produced water, mainly from Bone Spring and Wolfcamp wells. There are 332 approved Bone Spring wells and 346 approved Wolfcamp wells in T. 23 & 24S., R. 28 & 29 E. The well will take other Permian Basin waters (e. g., Delaware). A summary of water analyses follows. Their abstracts are in Exhibit F.

Parameter	Devonian	Delaware	Bone Spring	Wolfcamp	Morrow
Bicarbonate	1260	122	1,955	1,026	611
Chloride	34,400	130,543	100,110	67,273	33,036
Sulfate	3,600	940	180	88	0
TDS	63,260	211,635	165,550	111,226	54,903

No compatibility problems have been reported from Black River's Black River SWD 1 (30-015-43807), 4 miles WNW, which has disposed of over 3,007,539 bbls in the Devonian in 2 years.

5. Closest Devonian producer (30-015-29252) is 19 miles ESE.

VIII. The Devonian (estimated 1,000' thick) is comprised of limestone and dolomite. It dips to the east at 1°. Estimated porosity is 2-6%. Closest possible underground source of drinking water above the proposed disposal interval is the Quaternary at the surface. According to State Engineer records (Exhibit G), 9 water wells are within a mile, deepest of which is 268'. Two of the nine water wells were sampled during a July 27, 2017 field inspection. No underground source of drinking water is below the proposed disposal interval.



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SEC. 11, T. 24 S., R. 28 E., EDDY COUNTY, NM

30-015-44514

Formation tops are:

Ouaternary = 0'Castile = 1023'Lamar (base of salt) = 2597Bell Canyon = 2619' Cherry Canyon = 3511' Brushy Canyon = 4675' Bone Spring limestone = 6356' Wolfcamp = 9496' Strawn = 11404'Atoka = 11726'Morrow = 12273'Barnett = 13507Mississippian limestone = 13622' Woodford shale = 14070' Devonian carbonate = 14228' disposal interval = 14230' - 15103' TD = 15103(Montoya = 15228')

Nine water wells are within a 1-mile radius according to State Engineer records (Exhibit G), deepest of which is 268'. There will be >2 miles of vertical separation and shale, salt, and anhydrite intervals between the bottom of the only likely underground water source (Quaternary) and the top of the Devonian.

- IX. The well will be stimulated with acid.
- X. A CBL will be run from production casing setting depth to TOC. A triple combo log will be run from the second intermediate to TD.
- XI. Two active water wells within a half-mile were sampled (Exhibit G) during a July 27, 2017 field inspection.



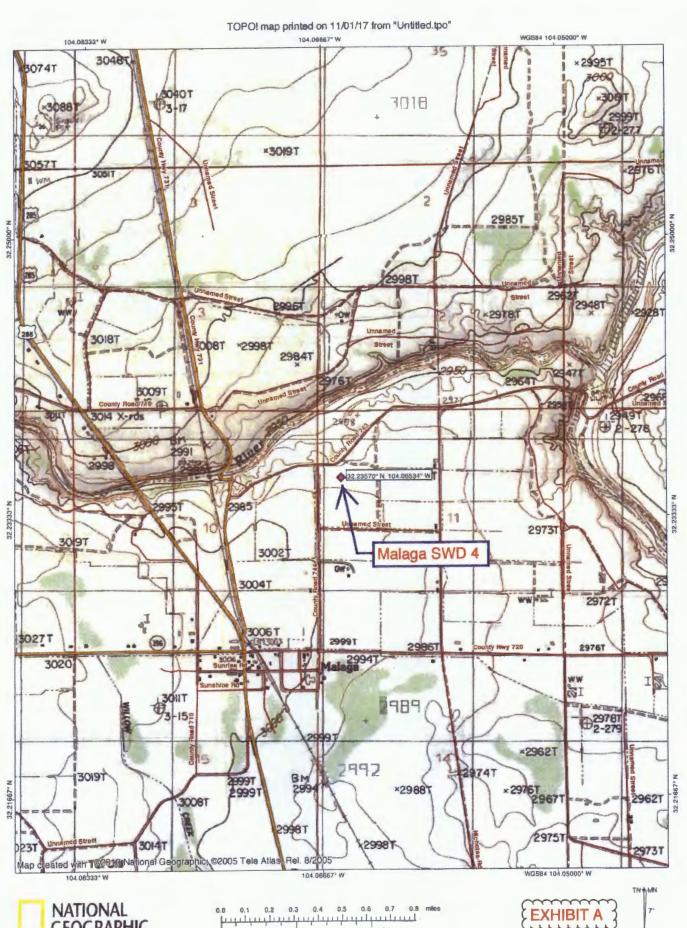
BLACK RIVER WATER MANAGEMENT COMPANY, LLC MALAGA SWD 4 1489' FNL & 490' FWL SEC. 11, T. 24 S., R. 28 E., EDDY COUNTY, NM PAGE 5

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XII. Black River (Exhibit H) is not aware of any geologic or engineering data that may indicate the Devonian is in hydrologic connection with any underground sources of water. Deepest water well within a 2-mile radius is 290'. There are 174 approved Devonian saltwater disposal wells and 10 approved Devonian water injection wells in New Mexico. Closest Quaternary fault is ≈ 54 miles southwest (Exhibit H).

XIII. A legal ad (see Exhibit I) was published on October 12, 2017. Notice (this application) has been sent (Exhibit J) to the surface owner (Oscar & Gloria Vasquez Revocable Trust) and all lessees within a half-mile.







0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 miles

1/01/17

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (305) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Sante Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Sante Fe, NM 87505

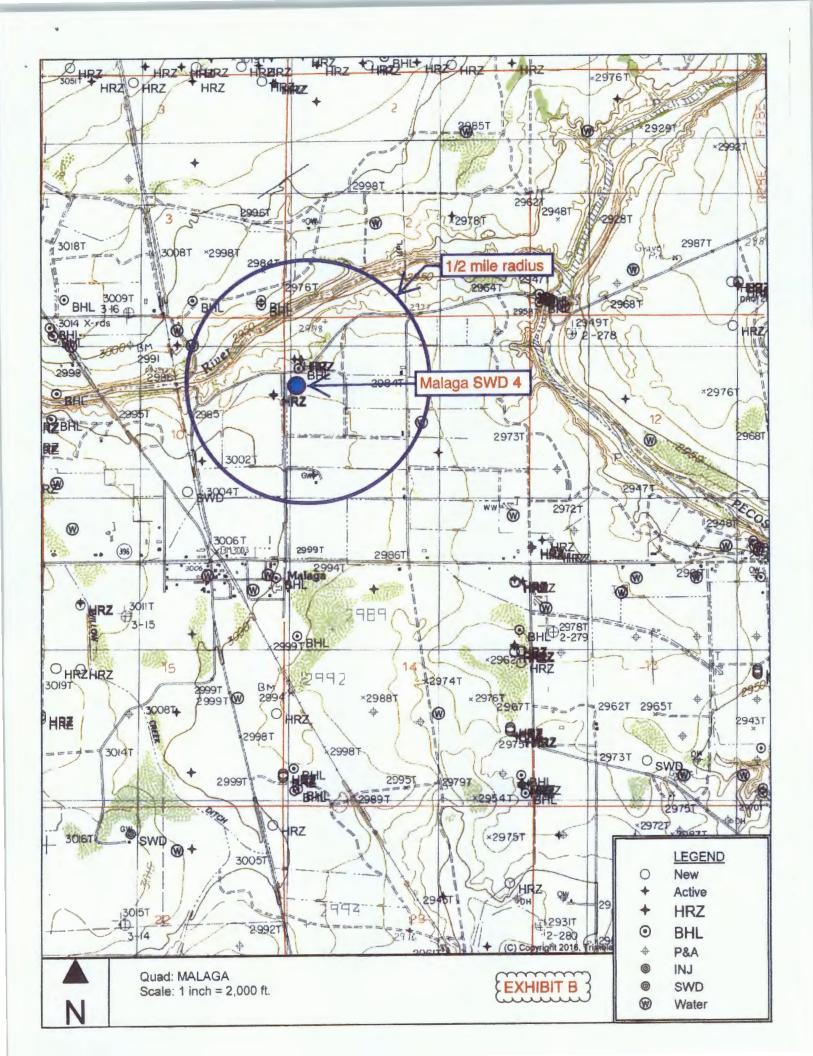
FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

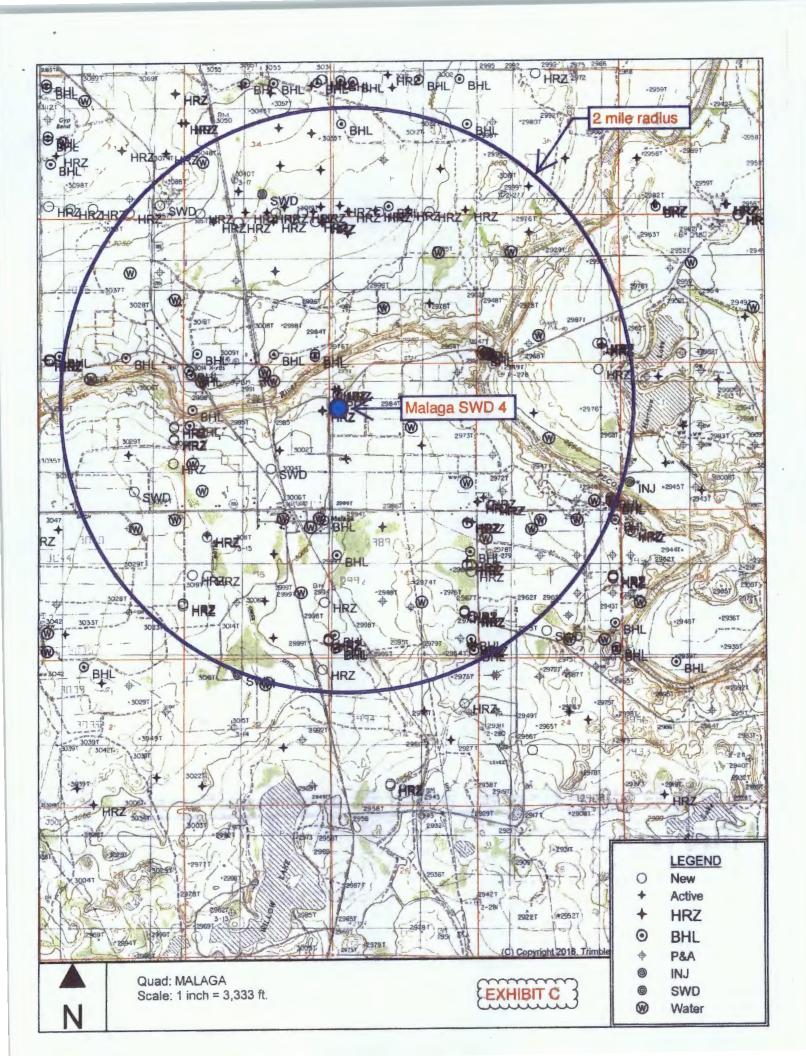
		V	VELL LO	CATION	AND ACRE	EAGE DEDICA	TION PLAT	3		
30-015-	API Number			³ Pool Code 96101 SWD; Devonia					an	
3198					⁵ Property Na MALAGA			*Wi	ell Number #4	
⁷ OGRID 1 37128	No.	BI	ACK RIV	ER WAT	Operator Na CER MANAG	EMENT COMI	PANY, LLC.		Elevation 2988'	
					10 Surface Loc	cation				
UL or lot no. E	Section 11	Township 24-S	Range 28-E	Lot Idn	Feet from the 1489'	North/South line NORTH	Feet from the 490'	East/West line WEST	EDDY	
UL or lot no.	Section —	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County —	
12Dedicated Acres 640	¹³ Joint or I	nfill 14Ce	onsolidation Code	15Order	No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

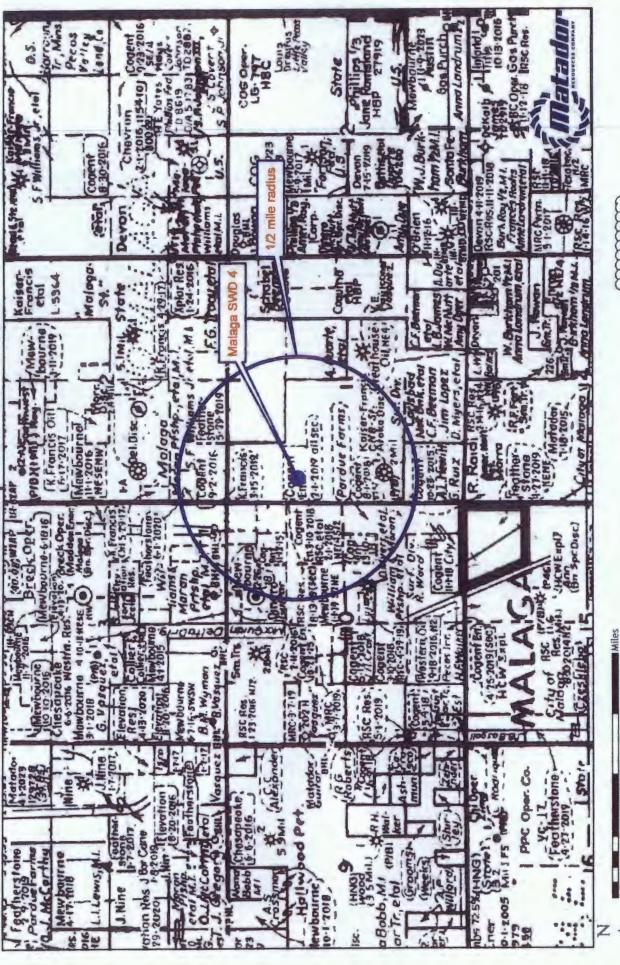
		17 OPERATOR CERTIFICATION I hereby certify that the information conducted here in a true and complete to the last al my knowledge and before, and that the conjunctation either corns a newling inherest or unleased varieted interest in the land sucheday
1469		the proposed building that howether no thin a right to drill the act of the time act of the time act of an inverse or inverse of the act of the action of the act of
	CHIPCHOE LOOUVION	Signature Date
490'	SURFACE LOCATION NEW MEXICO EAST NAD 1983 X=624197 Y=449587	Brian Wood Printed Name brian@permitswest.com
	LAT.: N 32.2357059 LONG.: W 104.0653469	E-mail Address (505) 466-8120
		18SURVEYOR CERTIFICATION I hereby certify that the nell location shown on the plat was plotted from field notes of actual surveys much by me or under my superissum, and that the same is true to the best of my belief
<u> </u>		04/12/2017 Date of Survey Signoture and Seq of Professional Surveyor.
		Date of Survey Signature and Seal of Profession Surveys, Brown MEX.
\ \ \ \		Certificate Number EXHIBIT A



API	WHO	WELL	TYPE	UNIT- SECTION- T24S-R28E	TVD	ZONE	FEET FROM MALAGA SWD 4
3001543993	Matador	Guitar 10 24 28 RB 205H	G	D-11	9647	Purple Sage; Wolfcamp (Gas)	488
3001543940	Matador	Guitar 10 24 28 RB 201H	G	D-11	9477	Purple Sage; Wolfcamp (Gas)	515
3001543966	Matador	Guitar 10 24 28 RB 221H	G	D-11	10481	Purple Sage; Wolfcamp (Gas)	528
3001542660	Matador	Guitar 10 24 28 RB 202H	G	H-10	9554	Purple Sage; Wolfcamp (Gas)	760
3001543693	Matador	Guitar 10 24 28 RB 222H	G	H-10	10238	Purple Sage; Wolfcamp (Gas)	770
3001544257	Matador	Tom Matthews 10 24 28 RB 223H	G	I-10 (BHL)	10653	Purple Sage; Wolfcamp (Gas)	1680 (BHL)
3001542858	Mewbourne	Yardbirds 3 B2AP Fee 001H	Plan O	P-3 (BHL)	no report	Malaga; Bone Spring, North	1894 (BHL)
3001521786	cog	CNB Com 001	G	L-11	12834	Malaga; Morrow (Gas)	1980
3001542935	Mewbourne	Yardbirds 3 W2AP Fee 001H	G	P-3 (BHL)	10577	Purple Sage; Wolfcamp (Gas)	2069 (BHL)
3001543949	Mewbourne	Yardbirds 3 WOAP Fee 002H	G	P-3 (BHL)	9602	Purple Sage; Wolfcamp (Gas)	2089 (BHL)



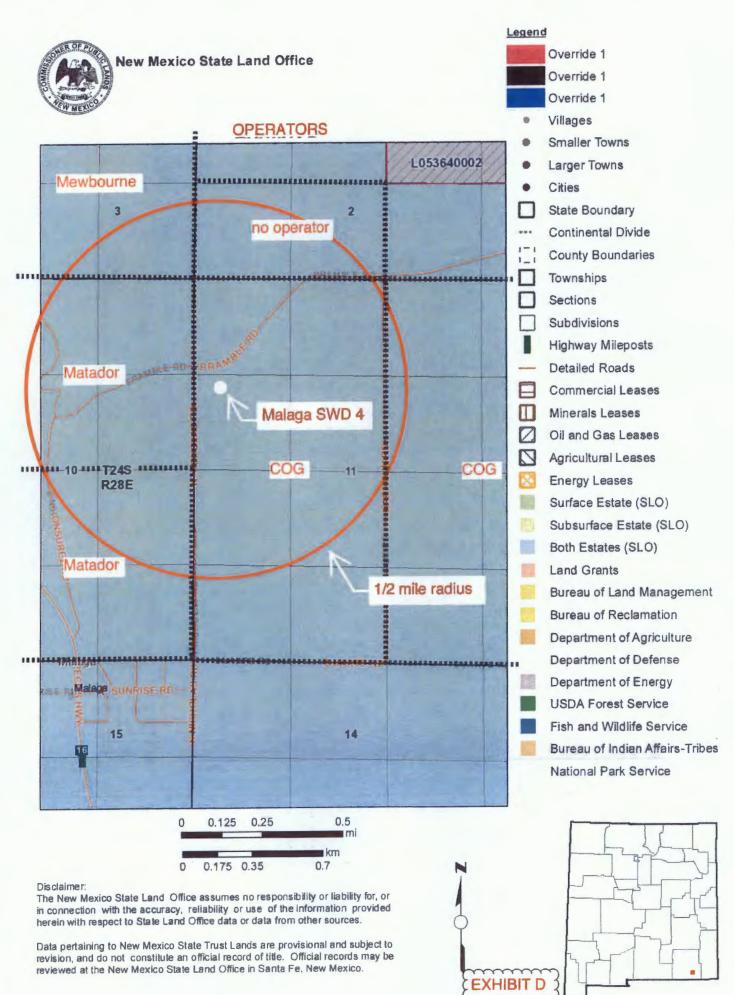
Midland Map 11-245-28E

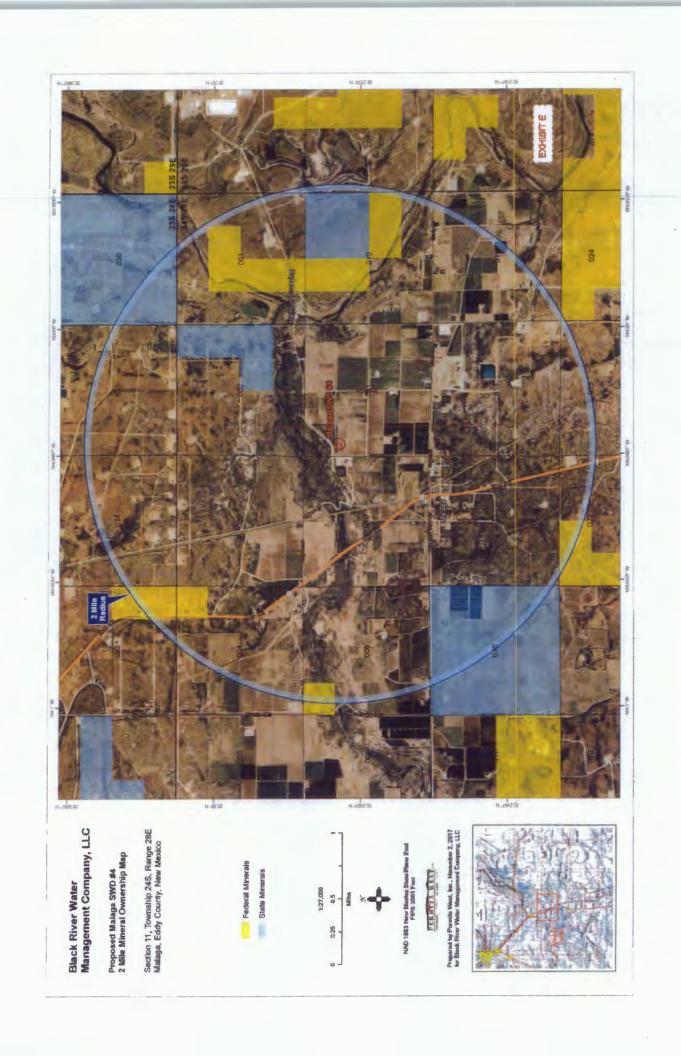












NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

	General Information	n About: Sample	5199
	SQUARE LAK	E DEEP UNIT 001	
API	3001503979	Sample Number	
Unit/Section/ Township/Range	J/33/16S/30E	Field	
County	Eddy	Formation	DEV
State	NM	Depth	
Lat/Long	32.87982 / -103.97885	Sample Source	DST
TDS (mg/L)	63260	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation	Information (mg/L)	Anior	Information (mg/L)
Potassium (K)		Sulfate (SO)	3600
Sodium (Na)		Chloride (CI)	34400
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	1260
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
ron (Fe)		Oxygen (O)	







2638 Faudree Odessa, Texas 79765-8538 561-5579

Company:	Wa	deCo Spe	cialtie	s, LLC			-	
	10000		30-0	15-2703	30	A salar barrens	***	
Well Number:		a Fe Fed 4 W	H-3	-225-28	le .	Sample Temp:	70	
Lease:	RKI	0074	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,		Date Sampled:	3/18/2	
Location:	WC2					Sampled by:	Wade I	lavens
Date Run:	4/8/2					Employee #:	CD	
Lab Ref #: K=1,289.47 p		pr-h14284				Analyzed by:	GR	
т, -,								
			L	issolved	Gases	Mg/L	Eq. Wt.	MEq/L
Hydrogen Sul	fide	(H2S)				.00	16.00	.00
Carbon Dioxid		(CO2)				60.00	22.00	2.73
Dissolved Oxy		(02)		NOT ANA	LYZED	00.00	22.00	2.75
				M-0				
Calcium		(Ca++)		Cations	5	25,342.08	20.10	1,260.80
Magnesium		(Mg++)				1,698.24	12.20	
-		7						139.20
Sodium		(Na+)	2			52,917.44	23.00	2,300.76
Barium		(Ba++)		IOT ANA	LYZED			
Manganese		(Mn+)				7.87	27.50	.29
Strontium		(Sr++)	V	IOT ANA	LYZED			
				Anions				
Hydroxyl		(OH-)				.00	17.00	.00
Carbonate		(CO3=)				.00	30.00	.00
BiCarbonate		(HCO3-)				122.20	61.10	2.00
Sulfate		(504=)				940.00	48.80	19.26
Chloride		(CI-)				130,543.44	35.50	3,677.28
Total Iron		(Fe)				4.19	18.60	.23
Total Dissolve	d Solid					211,635.46		,=3
Total Hardness						70,317.98		
Conductivity M						220,000		
рН	6.18	0			Specifi	c Gravity 60/60	F.	1.147
CaSO4 Solubilit	ty @ 80) F.	8.44	MEq/L,	CaSo4 s	cale is likely		
CaCO3 Scale Ind	ex							
70.0	1	.164 10	0.00	1.764	130.	3.284		

80.0

90.0

RKI Exploration & Prod., LLC
C-108: Longview Fed 12 SWD No. 5 from SWD-1489 30-015-43596

110.0

120.0

1.294

1.764

Delaware Produced Water

WadeCo Specialties, LLC

140.0

150.0

3.284

3.284

2.214

2,214



2638 Faudree Odessa, Texas 79765-8538 561-5579

Company:	WadeCo	Special	ties, LLC				
Well Number: Lease: Location: Date Run: Lab Ref #: K=1,033.30 pp	RKI WC20910 4/8/2014 14-apr-h1		30-015-41 C-36-22s-	200	Sample Temp: Date Sampled: Sampled by: Employee #: Analyzed by:	70 3/30/2 Wade H	
			Dissolved	Gases			
			Dissolved	CHBCB	Mg/L	Eq. Wt.	MEq/L
Hydrogen Sull	fide (H	2S)			5.00	16.00	.31
Carbon Dioxid	e (C	02)			170.00	22.00	7.73
Dissolved Oxy	gen (O	2)	NOT ANA	LYZED			
			Cations				
Calcium	(Ca	1++)			9,945.48	20.10	494.80
Magnesium		g++)			1,459.12	12.20	119.60
Sodium	(Na	1+)			51,717.70	23.00	2,248.60
Barium	(Ba	1++)	NOT ANA	LYZED			
Manganese	(M)	1+)			1.35	27.50	.05
Strontium	(Sr	++)	NOT ANA	LYZED			
			Anions				
Hydroxyl	(OH	1-)			.00	17.00	.00
Carbonate	(CC)3=)			.00	30.00	.00
BiCarbonate	(HC	03-)			1,955.20	61.10	32.00
Sulfate	(SC)4=)			180.00	48.80	3.69
Chloride	(CI-	-)		1	100,110.00	35.50	2,820.00
Total Iron	(Fe)			6.9	18.60	.37
Total Dissolved	d Solids			1	165,550.75-		
Total Hardness	s as CaCO3				30,846.09		
Conductivity M	IICROMHOS	/CM			202,000		
pH	6.660			Specific	Gravity 60/60) F.	1.115
CaSO4 Solubilit	y @ 80 F.	23	.81MEq/L,	CaSO4 so	ale is unlikely		
CaCO3 Scale Inde	ex						
70.0	1.662	100.0	2.012	130.0	2.642	2	
80.0	1.762	110.0	2.322	140.0	2.642	2	
90.0	2.012	120.0	2.322	150.0	3.012	2	





2638 Faudree Odessa, Texas 79765-8538 561-5579

Company:	WadeCo	Special	ies, LLC				
Well Number: Lease: Location: Date Run: Lab Ref #: K=516.70 ppm	Longview Do RKI WC20907 4/8/2014 14-apr-h142		-31 ³⁰⁻⁰¹⁵ L-31-2	i-37604 2s-29e	Sample Temp: Date Sampled: Sampled by: Employee #: Analyzed by:	70 3/30/2 Wade H	
			Dissolved	Casas			
			Dissolved	Gases	Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulf	ide (H2S	5)			5.00	16.00	.31
Carbon Dioxid					300.00	22.00	13.64
Dissolved Oxy	gen (O2)		NOT ANA	ALYZED			
			Cations	5			
Calcium	(Ca+	+)			5,427.00	20.10	270.00
Magnesium	(Mg-				1,127.28	12.20	92.40
Sodium	(Na+	-			35,916.64	23.00	1,561.59
Barium	(Ba+		NOT ANA	LYZED			d bo
Manganese	(Mn-	*			3.59	27.50	.13
Strontium	(Sr+	+)	NOT ANA	LYZED			
			Anions				
Hydroxyl	(OH-	-			.00	17.00	.00
Carbonate	(CO3				.00	30.00	.00
BiCarbonate	(HCC				1,026.48	61.10	16.80
Sulfate	(SO4	*			88.00	48.80	1.80
Chloride	(CI-)				67,273.92	35.50	1,895.04
Total Iron	(Fe)				58.7	18.60	3.16
Total Dissolved	Solids				111,226.61		
Total Hardness					18,189.35		
Conductivity M	ICROMHOS/	CM			152,700		
рН	6.890			Specific	Gravity 60/60	F.,	1.077
CaSO4 Solubility	y @ 80 F.	36.	35MEq/L,	CaSO4 s	cale is unlikely		
CaCO3 Scale Inde	ex						
70.0	.949	100.0	1.249	130.0	1.839		
80.0	1.039	110.0	1.519	140.0	1.839	r	
90.0	1.249	120.0	1.519	150.0	2.179		





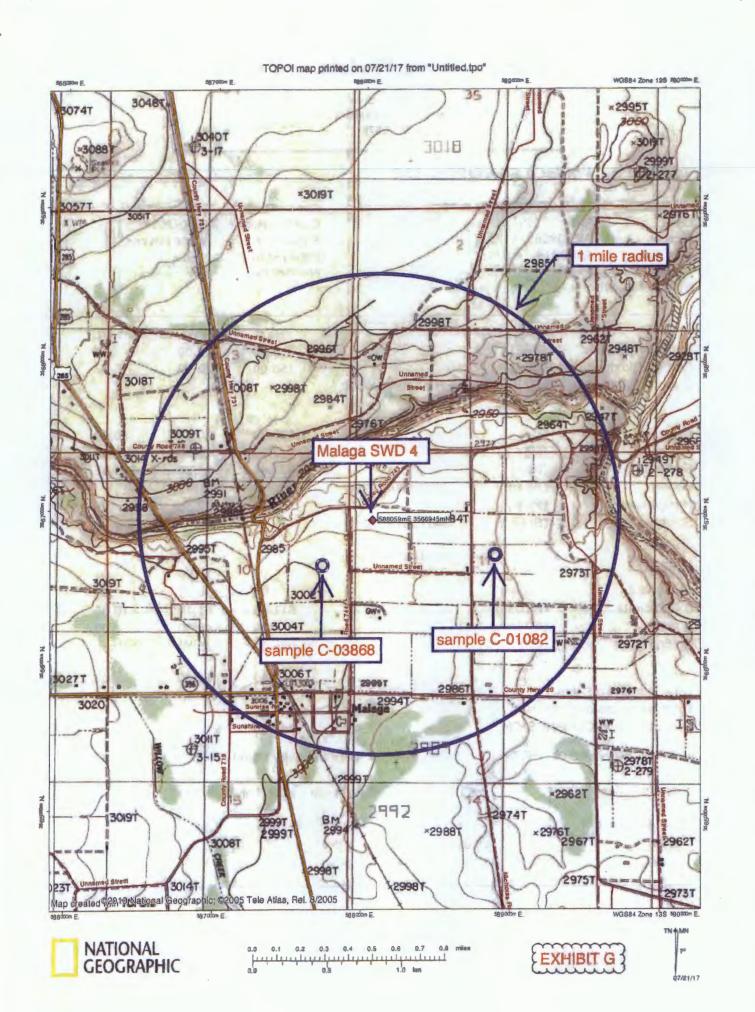
2638 Faudree Odessa, Texas 79765-8538 561-5579

Company:	WadeCo S	pecialtic	es, LLC				
Well Number: Lease: Location: Date Run: Lab Ref #: K=101.49 ppm	Longview Dec RKI WC20908 4/8/2014 14-apr-h1427		30-015-3 M- 6 -23s		Sample Temp: Date Sampled: Sampled by: Employee #: Analyzed by:	70 3/30/20 Wade H	
		,	Dissolved (Garas			
		L	Masotreu (Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulf	ide (H2S)				5.00	16.00	.31
Carbon Dioxid					150.00	22.00	6.82
Dissolved Oxy	gen (O2)		NOT ANA	LYZED			
			Cations				
Calcium	(Ca+	+)			1,608.00	20.10	80.00
Magnesium	(Mg+	-			517.28	12.20	42.40
Sodium	(Na+)			18,971.44	23.00	824.85
Barium	(Ba+	+)	NOT ANA	LYZED			
Manganese	(Mn+)			2.55	27.50	.09
Strontium	(Sr++	-)	NOT ANA	LYZED			
			Anions				
Hydroxyl	(OH-)				.00	17.00	,00
Carbonate	(CO3:	=)			.00	30.00	.00
BiCarbonate	(HCO:	3-)			611.00	61.10	10.00
Sulfate	(SO4:	=)			.00	48.80	.00
Chloride	(CI-)				33,036.30	35.50	930.60
Total Iron Total Dissolved Total Hardness Conductivity M	as CaCO3	М			54,903.06 6,140.85 84,500	18.60	.08
рН	6.810			Specific	Gravity 60/60	F.	1.038
CaSO4 Solubilit	y @ 80 F.	53.48	BMEq/L,	CaSO4 se	cale is unlikely		
CaCO3 Scale Inde	»X						
70.0	~.035	100.0	.285	130.0	.905	i	
80.0	.085	110.0	.545	140.0	.905		
90.0	.285	120.0	.545	150.0	1.235	i	



RKI Exploration & Prod., LLC
C-108: Longview Fed 12 SWD No. 5 from SWD-1489 30-015-43596
Morrow Produced Water WadeCo Specialties, LLC







New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

	POD Sub-		Q	Q	Q								v	Vater
POD Number Code C 01442	basin C	County	64		2		Tws 24S	Rng 28E	X 587298	Y 3567199*	DistanceDe 802	epthWellDep 100	thWater Co	olumn
C 01082		ED	3	3	2	-11	24\$	28E	588832	3566693*	813	120		
C 01237	C	ED	i	1	2	10	248	28E	587197	3567298*	931	123		
C 00511	C	ED		2	3	02	24\$	28E	588518	3568001*	1151	268	140	128
C 02524 POD2	C	ED	2	2	2	15	248	28E	587814	3565690*	1278	90	11	79
C 00890		ED	3	3	4	10	248	28E	587211	3565897*	1348	50		
C 00346	C	ED		2	2	15	245	28E	587715	3565591*	1397	90	32	58
C 00488	C	ED	2	1	2	15	245	28E	587412	3565688*	1413	64	8	56
C 00570 1610 meters	С	ED		1	1	10	245	28E	586490	3567195*	1588	100	28	72
C 00574 = 1 mile		ED	2	4	4	11	245	28E	589452	3566081*	1639	200	20	180
C 03862 POD2	CUB	ED	3	3	3	01	245	28E	589665	3567507	1701	30	10	20
C 03862 POD1	CUB	ED	3	3	3	01	245	28E	589672	3567505	1708	17	10	7
C 03862 POD3	CUB	ED	3	3	3	01	245	28E	589685	3567500	1718	60	10	50
C 03862 POD4	CUB	ED	3	3	3	01	245	28E	589705	3567490	1734	30	10	20
C 00764		ED	3]	3	10	24S	28E	586399	3566292*	1783	118	25	93
C 03862 POD5	CUB	ED	4	3	3	01	245	28E	589785	3567458	1801	17	10	7
C 00962	C	ED		3	3	10	245	28E	586505	3565992*	1822	63	9	54
C 02186	C	ED			2	02	245	28E	589128	3568606*	1975	100	55	45
C 03132	С	ED	1	2	4	15	24S	28E	587616	3564877*	2114	90	19	71
C 00738		ED	3	1	1	13	24S	28E	589673	3565472*	2185	125	12	113
C 00573		ED	2	2	4	04	248	28E	586188	3568087*	2191	250	35	215
C 02836	C	ED	2	2	2	16	245	28E	586203	3565676*	2248		15	
C 02184	C	ED	2	4	3	10	245	28E	590248	3567700*	2315	87	60	27
C 01747		ED				12	248	28E	590367	3566577*	2337	176	139	37
C 02057	C	ED		1	4	14	245	28E	588956	3564774*	2349	126	52	74
C 00318	C	ED	2	4	4	34	23 S	28E	587811	3569298*	2366	150		
C 02198	C	ED			1	01	245	28E	589940	3568611*	2512	78		
C 00903	C	ED		2	1	13	245	28E	590178	3565575*	2523	57	30	27
C 00464		ED	2	2	1	13	245	28E	590277	3565674*	2556	114	28	83
C 03824 POD1	CUB	ED	4	1	2	16	248	28E	585770	3565578	2665	290	60	230



C 02306	C	ED		44	2	04	248	28E	585690	3568382*	2770	75	25	50
C 03703 POD1	C	ED	1	2	1	09	248	28E	585259	3567225	2813	74	15	59
C 00329	C	ED	2	Ī	2	13	248	28E	590682	3565677*	2913	95	30	65
C 00684		ED	2	. 1	2	13	248	28E	590682	3565677*	2913	95	40	55
C 01154	C	ED	2	1	2	13	24 S	28E	590682	3565677*	2913	95	50	45
C 00618	Ç	ED	3	4	4	12	245	28E	590880	3565885*	3013	80	40	40
C 01240	C	ED		1	3	34	23 S	28E	586494	3569592*	3075	125	25	001
C 02744	C	LE	3	1	2	22	245	28E	587224	3563865*	3191	260		
C 00983	C	ED	4	4	4	12	245	28E	591080	3565885*	3201	92	40	52

Average Depth to Water:

34 feet

Minimum Depth:

8 feet

Maximum Depth:

140 feet

Record Count: 39

UTMNAD83 Radius Search (in meters):

Easting (X): 588059

Northing (Y): 3566945

Radjus: 3220

*UTM location was derived from PLSS - see Help

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

11/2/17 4:41 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Analytical Report

Lab Order 1708112

Date Reported: 8/9/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West

Client Sample ID: MBR4-C-01082

Project:

Matadon Black River SWD 4

Collection Date: 7/27/2017 11:24:00 AM

Lab ID:

1708112-001

Matrix: AQUEOUS

Received Date: 8/1/2017 4:06:00 PM

Analyses	Result	PQL (Qual	Units	DF	Date Analyze	d	Batch
EPA METHOD 1664B							Analyst:	MAB
N-Hexane Extractable Material	ND	10.6		mg/L	1	8/4/2017		33163
EPA METHOD 300.0: ANIONS							Analyst:	MRA
Chloride	490	50	•	mg/L	100	8/8/2017 6:16:3	30 PM	R44822
SM2540C MOD: TOTAL DISSOLVE	SOLIDS						Analyst:	KS
Total Dissolved Solids	2350	20.0	4	mg/L	1	8/4/2017 5:30:0	00 PM	33162



Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1708112

Date Reported: 8/9/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West

Client Sample ID: MBR4-C-03868

Project:

Matadon Black River SWD 4

Collection Date: 7/27/2017 1:17:00 PM

Lab ID:

1708112-002

Matrix: AQUEOUS

Received Date: 8/1/2017 4:06:00 PM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Anal	yst: MAB
N-Hexane Extractable Material	ND	10.0		mg/L	1	8/4/2017	33163
EPA METHOD 300.0: ANIONS						Anal	yst: MRA
Chloride	520	50	*	mg/L	100	8/8/2017 6:41:20 PM	n R44822
SM2540C MOD: TOTAL DISSOLVE	SOLIDS					Anal	yst: KS
Total Dissolved Solids	2590	40.0	*D	mg/L	1	8/4/2017 5:30:00 PM	1 33162



Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 5
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1708112

09-Aug-17

Client:

Permits West

Project:

Matadon Black River SWD 4

Sample ID MB-33163

SampType: MBLK

TestCode: EPA Method 1664B

Client ID: PBW

Batch ID: 33163

RunNo: 44730

Prep Date: 8/4/2017

Analysis Date: 8/4/2017

PQL

10.0

SeqNo: 1414487

Units: mg/L

Analyte

Qual

N-Hexane Extractable Material

ND

Result

SPK value SPK Ref Val %REC LowLimit

HighLimit

RPDLimit

Client ID: LCSW

Sample ID LCS-33163

SampType: LCS

TestCode: EPA Method 1664B RunNo: 44730

Batch ID: 33163 Analysis Date: 8/4/2017

SeqNo: 1414488

Units: mg/L

Analyte

PQL SPK value SPK Ref Val %REC LowLimit

40.00

91.0

HighLimit 114 %RPD **RPDLimit**

%RPD

Qual

N-Hexane Extractable Material

Prep Date: 8/4/2017

36.4 10.0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Η

Not Detected at the Reporting Limit ND

PQL. Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

J Analyte detected below quantitation limits

Sample pH Not In Range

RŁ Reporting Detection Limit Sample container temperature is out of limit as specified Page 3 of 5



QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1708112

09-Aug-17

Client:

Permits West

Project:

Matadon Black River SWD 4

Sample ID MB

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: PBW

Batch ID: R44822

PQL

RunNo: 44822

Prep Date:

Analysis Date: 8/8/2017

Units: mg/L

HighLimit

Result

SPK value SPK Ref Val %REC LowLimit

SeqNo: 1417079

%RPD

Qual

Analyte Chloride

ND 0.50

Sample ID LCS

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID: LCSW

Batch ID: R44822

RunNo: 44822

Prep Date:

Analysis Date: 8/8/2017

SeqNo: 1417080

Units: mg/L

Analyte

SPK value SPK Ref Val

%REC LowLimit

HighLimit

RPDLimit

RPDLimit

Qual

Chloride

PQL

5.000

0

93.2

%RPD

0.50

110

4.7

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

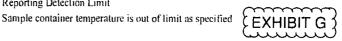
Analyte detected in the associated Method Blank

E Value above quantitation range

j Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Detection Limit Page 4 of 5



QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1708112

09-Aug-17

Client:

Permits West

Project:

Matadon Black River SWD 4

Sample ID MB-33162

SampType: MBLK

TestCode: SM2540C MOD: Total Dissolved Solids

TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW

Batch ID: 33162

RunNo: 44736

Prep Date: 8/3/2017

Analysis Date: 8/4/2017

SeqNo: 1414683

Units: mg/L

RPDLimit

Qual

Analyte

Client ID:

Result

PQL SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

%RPD

Total Dissolved Solids

ND

20.0 SampType: LCS

RunNo: 44736

Prep Date: 8/3/2017

Sample ID LCS-33162

LCSW

Batch ID: 33162 Analysis Date: 8/4/2017

SeqNo: 1414684

Units: mg/L

RPDLimit

Qual

Analyte

Result

SPK value SPK Ref Val %REC LowLimit HighLimit Total Dissolved Solids 1010 20.0 1000 101

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 5 of 5



Black River Water Management Company, LLC

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240 Voice 972.371.5454 • Fax 214.866.4832

ccollier@matadorresources.com

Clark Collier Geologist

October 17, 2017

New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505 David.Catanach@state.nm.us

Re: Geology Statement

Rustler Breaks SWD #4 ("the Well")

Section 11, Township 24 South, Range 28 East, N.M.P.M.

Eddy County, New Mexico

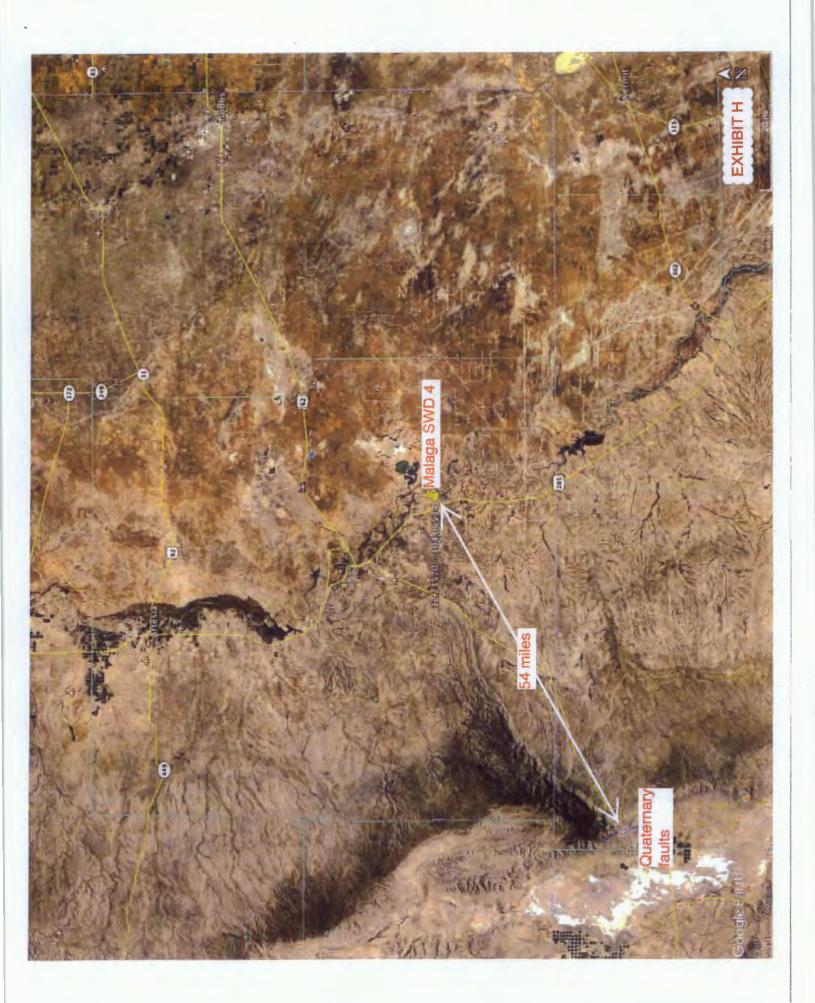
To whom it may concern:

Available geologic and engineering data related to the proposed Well has been thoroughly reviewed, and no evidence for a hydrological connection between the proposed deep Devonian injection zone, located at approximately 14,228', and any underground sources of drinking water has been found.

Sincerely, Black River Water Management Company, LLC

Clark Collier





Affidavit of Publication

State of New Mexico, County of Eddy, ss. .

Danny Fletcher, being first duly sworn, on oath says:

That he is the Publisher of the Carlsbad Current-Argus, newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices advertisements may published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

October 12

2017

That the cost of publication is \$51.48 and that payment thereof has been made and will be assessed as court

eosts.

Subscribed and sworn to before me this 18 day of 21-0000 , 2007

My commission Expires <u>2/13/2/</u>

Notary Public



October 12, 2017

Black' River Water Management Company, LLC is applying to drill the Malaga SWD 4 as a saltwater disposal well. The well is staked at 1489 FNL 8 490 FWL Sec. II, T. 248 FNL 8 and is 3/4 mile northeas of Malaga, NM. Disposal will be in the Devontan from 14,228 to 15,103'. Maximum injection pressure will be 2,845 psi, Maximum disposal rate will be 40,000 bwpd. Interested parties mustille objections of tequests for healing with the NM Oil. Conservation Division 1220 South Sain Francis Dr., Santa Fe NM 87505 within 15 days Additional information can be obtained by contacting; Briar Wood, Permits West Inc., 37 Verano Loop Santa Fe, NM 87508 Phone number is (505) 466-8120.

TYPICAL LETTER

January 11, 2018

Oscar & Gloria Vasquez Revocable Trust PO Box 98 Malaga, NM 88263

Black River Water Management Company, LLC is applying (see attached application) to drill the Malaga SWD 4 well as a saltwater disposal well. As required by NM Oil Conservation Division (NMOCD) rules, I am notifying you of the following proposed saltwater disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Malaga SWD 4 (fee lease)

TD = 15,103'

Proposed Disposal Zone: Devonian (from 14,230' to 15,103')

Location: 1489' FNL & 490' FWL Sec. 11, T. 24 S., R. 28 E., Eddy County, NM

Approximate Location: 3/4 mile northeast of Malaga, NM

Applicant Name: Black River Water Management Company, LLC (972) 371-5420

Applicant's Address: 5400 LBJ Freeway, Suite 1500, Dallas TX 75240

<u>Submittal Information:</u> Application for a saltwater disposal well will be filed with the NMOCD. If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. NMOCD address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Phone is (505) 476-3440.

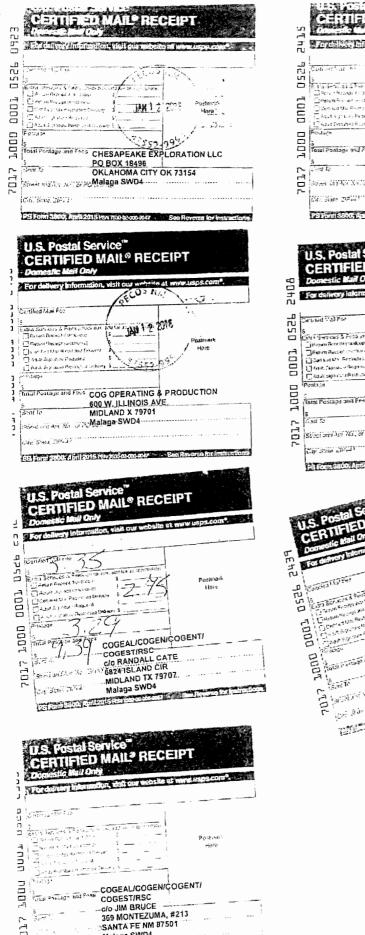
Please call me if you have any questions.

Sincerely,

Brian Wood

U.S. Postal Service™ CERTIFIED MAIL® 0945 0526 Extra Services & Fees Ichesk bo Return Receipt (hardcopy) 1000 ☐ Return Receipt (electronic Certified Moli Restricted Del JAN 1 2 2018 Adult Signature Required Adult Signature Restricted 1000 OSCAR & GLORIA VA REVOC. TRUST PO BOX 98 MALAGA NM 88263 Malaga SWD4

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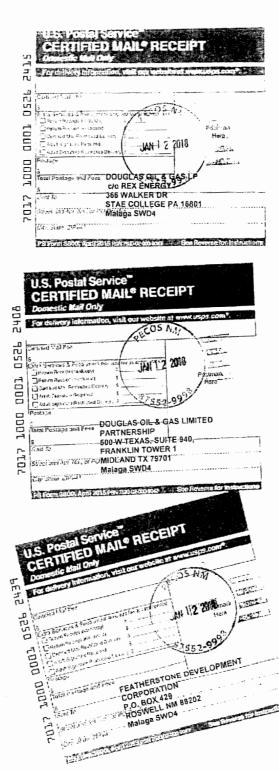
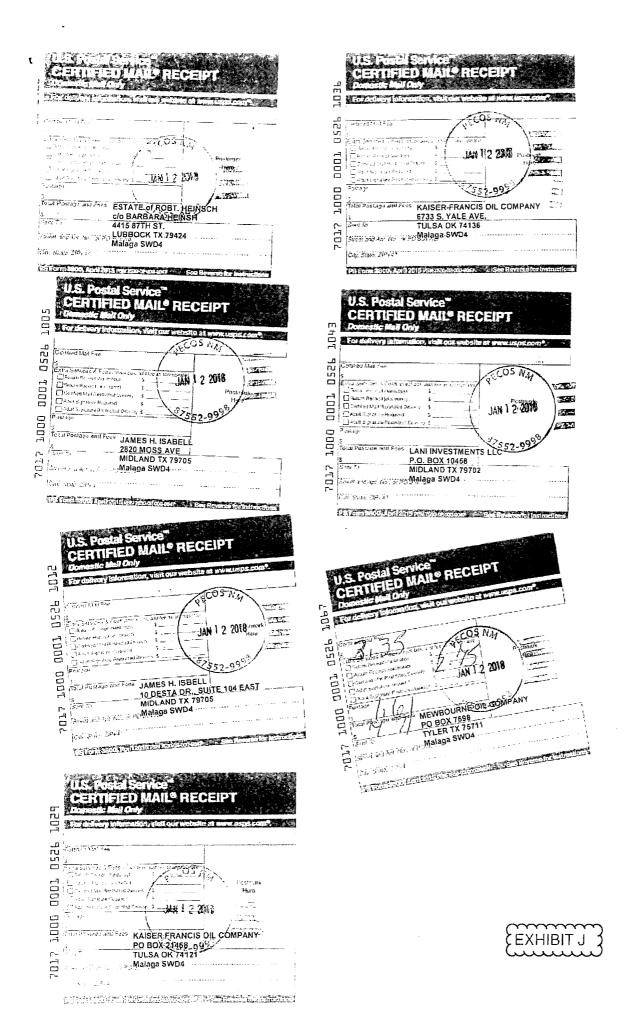
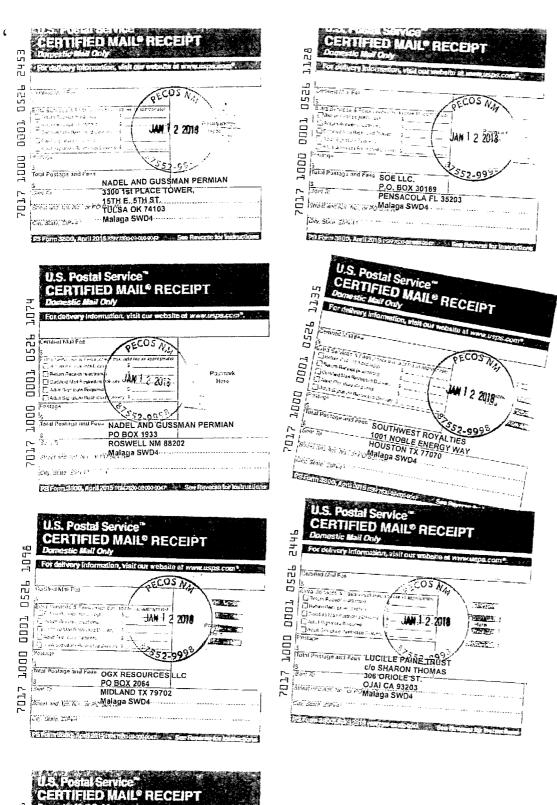


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PEREGRINE PRODUCTION LLC
24 SMITH RD., SUITE 605
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Malaga SWD4

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SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY A. Signature Complete items 1, 2, and 3. Print your name and address on the reverse □ Agent so that we can return the card to you. □ Addressee B. Received by (Printed Name) C. Date of Delivery Attach this card to the back of the malipiece, or on the front if space permits. 1. Article Addressed to: D. Is delivery address different from item 1? ☐ Yes If YES, anter delivery address below: JAN 1 6 2018 CHESAPEAKE EXPLORATION LLC PO BOX 18496 MAILROOM 9 OKLAHOMA CITY OK 73154 Malaga SWD 4 Service Type ☐ Priority Mall Express® ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Registered Mail Restricted Delivery ☐ Certified Mall Restricted Delivery Return Receipt for Merchandise 9590 9402 2266 6225 8494 20 ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation™ Signature Confirmation 7017 1000 0001 0526 0923 Restricted Delivery ill Restricted Delivery PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION Complete Items 1, 2, and 3. ☐ Agent Print your name and address on the reverse Addressee so that we can return the card to you. C. Date of Delivery Received by (Printed Name) Attach this card to the back of the malipiece, dall Cati or on the front if space permits. D. Is delivery address different from item 1. Article Addressed to: If YES, enter delivery address below: COGEAL/COGEN/COGENT/COGEST/F\$C c/o RANDALL CATE 6824 ISLAND CIR MIDLAND TX 79707 Malaga SWD 4 Service Type Priority Mail Express® ☐ Registered Mean— ☐ Registered Mail Restricted Delivery ☐ Adult Signature ☐ Adult Signature Restricted Delivery ☐ Cartified Mail® 9590 9402 2894 7094 3437 64 ☐ Certified Mail Restricted Delivery ☐ Return Receipt for Merchandles □ Collect on Delivery Merchandise ☐ Signature Confirmation™ ☐ Collect on Delivery Restricted Delivery ---- Number (mm service label) ☐ Signature Confirmation 7017 1000 0001 0526 2392 Restricted Delivery Restricted Delivery PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION A. Signature ■ Complete items 1, 2, and 3. □ Agent MOUPE OTA Print your name and address on the reverse ☐ Addressee so that we can return the card to you. B. Received by Printed Name Delivery Attach this card to the back of the malipiece, or on the front if space permits. D. Is delivery address different from item 1? LI Yes 1. Article Addressed to: If YES, enter delivery address below COGEAL/COGEN/COGENT/COGEST/FIC c/o JLM BRUCE 369 MONTEZUMA, #213 SANTA FE NM 87501 Malaga SWD 4 Priority Mail Express® Service Type ☐ Registered Melf ☐ Adult Stanzture ☐ Adult Signature Restricted Delivery (**Point Continued Mail® Repletered Mall Restricted Delivery Return Receipt for Certified Mall Restricted Delivery 9590 9402 2894 7094 3437 57 Marchandise ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ 8ignature Confirmation™ 2. Article Number (Transfer from service label) ☐ Signature Confirmation Restricted Delivery Mall Restricted Delivery

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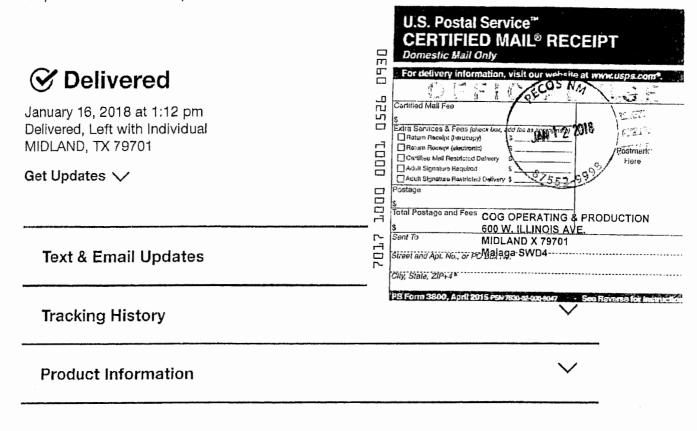
USPS Tracking®

Track Another Package +

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Your item was delivered to an individual at the address at 1:12 pm on January . 16, 2018 in MIDLAND, TX 79701.



See Less ^

Can't find what you're looking for?

Go to our FAQs section to find answers to your tracking questions.

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CASE 16/30:

Application of Black River Water Management Company, LLC for a Salt Water Disposal Well and Authorization to Inject Through Its Proposed Malaga SWD No. 4 Well, Eddy County, New Mexico. Applicant in the above-styled cause seeks an order authorizing injection of produced water for disposal purposes through its proposed Malaga SWD No. 4 well (API No. 30-015-44514), with a surface location 1,489 feet from the North line and 490 feet from the West line (Unit E) of Section 11, Township 24 South, Range 28 East, NMPM, Eddy County, New Mexico. The maximum proposed daily injection rate will be approximately 40,000 barrels per day with an average daily injection rate of approximately 30,000 barrels per day. The proposed injection will occur within the Devonian formation at a depth of approximately 14,230 feet to 15,103 feet deep. The maximum injection pressure will be 2,846 psi. Said well is located approximately 1 mile northeast of Malaga, New Mexico.