## Initial

## Application Part I

Received: 04/10/2019

*This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete* 

			HPR 15 2019 PM12:			
4/4/- 246			Revised March 23, 201			
RECEIVED: REVIEWER:	TYPE:	APP NO:				
4/15/2019		DMAM191	5551111			
NEW MEXICO OI - Geological & 1220 South St. Francis	Engineering	Bureau -	E.			
ADMINISTRATIV		N CHECKUST				
THIS CHECKLIST IS MANDATORY FOR ALL ADMIN	VISTRATIVE APPLICAT	IONS FOR EXCEPTIONS TO D	IVISION RULES AND			
REGULATIONS WHICH REQUIRE PI	ROCESSING AT THE D	DIVISION LEVEL IN SANTA FE				
Applicant: Solaris Water Midstream, LLC			Number: 371643			
Well Name: Walker SWD #1						
Pool: SWD; Devonian- Silurian		Pool Co	de: 97869			
SUBMIT ACCURATE AND COMPLETE INFORM	ATION REQUIR		E TYPE OF APPLICATION			
1) TYPE OF APPLICATION: Check those which						
A. Location – Spacing Unit – Simultaneo						
B. Check one only for [1] or [1]						
[1] Commingling – Storage – Measur	rement					
[    ] Injection – Disposal – Pressure Inc						
WFX PMX SWD		DR PPR	FOR OCD ONLY			
2) NOTIFICATION REQUIRED TO: Check those	which apply.					
A. Offset operators or lease holders			Notice Complete			
B. Royalty, overriding royalty owners		ners	Application			
C. Application requires published no			Content			
D. <u>Notification</u> and/or concurrent ap E. <u>Notification</u> and/or concurrent ap			Complete			
F. Surface owner		~1				
G. For all of the above, proof of notif	ication or pub	olication is attache	d, and/or,			
H. No notice required						
3) CERTIFICATION: I bereby cortify that the in	formation sub	mitted with this an	plication for			
<ol> <li>CERTIFICATION: I hereby certify that the in administrative approval is accurate and c</li> </ol>						
understand that <b>no action</b> will be taken or						
notifications are submitted to the Division.	appied.					
Note: Statement must be completed by	an individual with r	nanagerial and/or superv	isory capacity.			
•		April 4, 2019				
Ramona Hovey – Agent of Solaris Water Midst	fream	Date				
Print or Type Name		(512) 600-1777				
		Phone Number				
Kannon KItores		ramona@longuist.	om			
		anonaeionquist.	.0111			

e-mail Address

^

Signature

10

### LONQUIST & CO. LLC



PETROLEUM ENERGY Engineers advisors

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

April 10, 2019

New Mexico Energy, Minerals, and Natural Resources Department Oil Conservation Division District IV 1220 South St. Francis Drive Santa Fe, New Mexico 87505 (505) 476-3440

### RE: WALKER SWD NO. 1 AUTHORIZATION TO INJECT

To Whom It May Concern:

Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared for Solaris Water Midstream, LLC's (Solaris") Walker SWD No. 1. In addition, Forms C-101 and C-102 have also been included with this package. Notices have been sent to offset, operators, leaseholders and the surface owner. Proof of notice will be sent to the OCD upon receipt.

Any questions should be directed towards Solaris Water Midstream, LLC's agent Lonquist & Co., LLC.

Regards,

Kamone KHowey

Ramona K. Hovey Sr. Petroleum Engineer Lonquist & Co., LLC

(512) 600-1777 ramona@lonquist.com STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

	APPLICATION FOR AUTHORIZATION TO INJECT
I.	PURPOSE:       Secondary Recovery       Pressure Maintenance       X       Disposal       Storage         Application qualifies for administrative approval?       X       Yes       No
II.	OPERATOR: Solaris Water Midstream, LLC
	ADDRESS: 907 Tradewinds Blvd., Suite B, Midland, TX 79706
	CONTACT PARTY: Whitney McKee PHONE: 432-203-9020
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? Yes X.No If yes, give the Division order number authorizing the project:
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	1. Proposed average and maximum daily rate and volume of fluids to be injected;
	<ol> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> </ol>
	4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
	<ol> <li>If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).</li> </ol>
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be 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.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of

- drinking water. XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Ramona Hovey	TITLE: Consulting Engineer - Agent for Solaris Water Midstream
SIGNATURE: Comme //tk	DATE: 4/4/2019
E-MAIL ADDRESS: ramona@lonquist.com	

\* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: Side 2

### 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.

		25 24S 24S 25E SECTION TOWNSHIP RANGE	WELL CONSTRUCTION DATA	Surface Casing	Casing Size: <u>16.00"</u>	or	Method Determined: circulation	Intermediate Casing	Casing Size: <u>13.375</u>	orft <sup>3</sup>	Method Determined: circulation	Production Casing	Casing Size: <u>9.625"</u>	orft <sup>3</sup>	Method Determined: circulation	Liner	Casing Size: <u>7.625</u> "	orft <sup>3</sup>	Method Determined: calculation		Injection Interval	12.639 feet to 14.439 feet	(Open Hole)
		UNIT LETTER			Hole Size: 18.125"	Cemented with: 675 sx.	Top of Cement: surface		Hole Size: <u>14.750</u>	Cemented with: 290 sx.	Top of Cement: <u>surface</u>		Hole Size: 12.250"	Cemented with: <u>1.740 sx</u> .	Top of Cement: surface		Hole Size: <u>8.500</u> "	Cemented with: 480 sx.	Top of Cement: <u>8.275'</u>	Total Depth: 14.439'			
<b>OPERATOR:</b> Solaris Water Midstream, LLC	WFLL NAME & NUMBER: Walker SWD No. 1	WELL LOCATION: 20' FSL 1,000' FEL FOOTAGE LOCATION	WELLBORE SCHEMATIC																				

INJECTION WELL DATA SHEET

Side 1

# INJECTION WELL DATA SHEET

Tubing Size: 5.5", 20 lb/ft, HCL-80, BTC from 0' - 8,075' and 5", 18 lb/ft, HCL-80, LTC from 8,075'-12,589' Lining Material: Duoline

Type of Packer: Nickel Plated Double Grip Retrievable Packer or Equivalent

Packer Setting Depth: 12,589'

Other Type of Tubing/Casing Seal (if applicable):

### Additional Data

Is this a new well drilled for injection? X Yes
 If no, for what purpose was the well originally drilled?

No No

- 2. Name of the Injection Formation: <u>Devonian, Fusselman</u>
- 3. Name of Field or Pool (if applicable): <u>SWD; Devonian-Silurian 97869</u>
- 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. 4

No, new drill.

Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: 5.

<u>Bone Spring: 5,285'</u> <u>Wolfcamp: 8,375'</u> <u>Strawn: 10,190'</u> <u>Atoka: 10,422'</u> <u>Morrow: 10,965'</u>



Solaris Water Midstream, LLC

### Walker SWD No. 1

### FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information				
Lease Name	Walker SWD			
Well No.	1			
Location	S-25 T-24S R-25E			
Footage Location	20' FSL & 1,000' FEL			

2.

a. Wellbore Description

	Casing Information								
Туре	Surface	Intermediate	Production	Liner					
OD	16"	13.375"	9.625"	7.625″					
WT	0.495"	0.48″	0.545"	0.500"					
ID	15.010"	12.415"	8.535"	6.625"					
Drift ID	14.822"	12.259"	8.379"	6.500"					
COD 17.000		13.375"	10.625"	7.625"					
Weight	84 lb/ft	68 lb/ft	53.5 lb/ft	39 lb/ft					
Grade	J-55 BTC	L-80, EZ-GO FJ3	HCP-110 BTC	Q-125 EZ-GO FJ3					
Hole Size	18.125"	14.75"	12.25"	8.5″					
Depth Set	1,048'	1,615'	8,475'	8,275'-12,639'					

### b. Cementing Program

		Cement Infor	mation		
Casing String	Conductor	Surface	Intermediate	Production	Liner
Lead Cement	EXTENDACEM™	HALCEM™	HALCEM <sup>TM</sup>	HALCEM <sup>™</sup>	
Lead Cement Volume (sacks)	249	425	155	Stage 1: 1,015 Stage 2: 150	-
Lead Cement Density (ft3/sack)	1.694	1.664	1.664	Stage 1: 2.731 Stage 2: 2.732	-
Tail Cement	-	HALCEM <sup>TM</sup>	HALCEM™	NeoCem™	VERSACEM™
Tail Cement Volume (sacks)	-	250	135	Stage 1: 475 Stage 2: 100	480
Tail Cement Density (ft3/sack)	-	1.332	1.332	1.336	1.223
Cement Excess	0%	50%	30%	50%, 50%	50%
Total Sacks	249	675	290	1,740	480
тос	Surface	Surface	Surface	Surface	8,275'
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Circulate to Surface	Logged

3. Tubing Description

Tubing Information					
OD	5.5"				
00	5.0"				
WT	0.361"				
	0.362"				
ID	4.778"				
	4.276"				
Drift ID	4.653"				
DIIICID	4.151"				
COD	6.050"				
COD	5.563"				
Weight	20 lb/ft				
weight	18 lb/ft				
Grade	HCL-80 BTC				
Grade	HCL-80 LTC				
Depth Set	0-8,075'				
Depth Set	8,075'-12,589'				

Tubing will be lined with Duoline.

4. Packer Description

Nickel Plated Double Grip Retrievable Packer or Equivalent

- B. Completion Information
  - 1. Injection Formation: Devonian, Fusselman
  - 2. Gross Injection Interval: 12,639'-14,439'

Completion Type: Open Hole

- 3. Drilled for injection.
- 4. See the attached wellbore schematic.
- 5. Oil and Gas Bearing Zones within area of well:

Formation	Depth
Bone Spring	5,285'
Wolfcamp	8,375'
Strawn	10,190'
Atoka	10,422'
Morrow	10,965'

VI. Area of Review

No wells within the area of review penetrate the proposed injection zone.

### VII. Proposed Operation Data

1. Proposed Daily Rate of Fluids to be Injected:

Average Volume: 30,000 BPD Maximum Volume: 40,000 BPD

- 2. Closed System
- 3. Anticipated Injection Pressure:

Average Injection Pressure: 1,874 PSI (surface pressure) Maximum Injection Pressure: 2,528 PSI (surface pressure)

4. The injection fluid is to be locally produced water. It is expected that the source water will predominantly be from the Bone Spring, Morrow, and Wolfcamp formations. Attached are produced water sample analyses taken from the closest wells that feature samples from the

Atoka, Bone Spring, Delaware, Delaware-Brushy Canyon, Devonian, Morrow, Pennsylvanian, San Andreas, and Wolfcamp formations.

5. The disposal interval is non-productive. No water samples are available from the surrounding area.

### VIII. Geological Data

**Devonian Formation Lithology:** 

The Devonian formation is a dolomitic ramp carbonate that occurs below the Woodford shale and above the Fusselman formation. Strata found in the Devonian formation include two major groups, the Wristen Buildups and the Thirtyone Deepwater Chert, with the Wristen being more abundant. The Wristen Groups is composed of mixed limestone and dolomites with mudstone to grainstone and boundstone textures. Porosity in the Wristen group is a result of both primary and secondary development. Present are moldic, vugular, karstic (including collapse breccia) features that allow for higher porosities and permeabilities. The Thirtyone Formation contains two end-member reservoir facies, skeletal packstones/grainstones and spiculitic chert, with most of the porosity and permeability found in the coarsely crystalline cherty dolomite. These particular characteristics allow for this formation to be a tremendous Salt Water Disposal horizon.

### **Fusselman Formation Lithology:**

The Silurian/Ordovician Fusselman Formation is stratigraphically below the Wristen Group and is above and separated from the Montoya Formation by the Sylvan Shale. The Sylvan Shale is the lower confining layer for the proposed Walker SWD No. 1 well. Fusselman facies include a laminated skeletal wackestone in the upper part and a buildup complex in the lower part composed of ooid and bryozoan grainstones. These grainstones can also be potentially prolific zones for disposal.

A. Injection Zone: Devonian-Silurian Formation						
Formation						
Rustler						
	Formation					

Formation	Depth		
Rustler	578′		
Salado (Top of Salt)	1,073′		
Salado (Bottom of Salt)	1,557′		
Bell Canyon	1,635'		
Cherry Canyon	2,415′		
Brushy Canyon	2,925′		
Bone Spring	5,285'		
Bone Spring 1 <sup>st</sup> Sand	6,186′		
Bone Spring 2 <sup>nd</sup> Sand	7,522′		
Bone Spring 3 <sup>rd</sup> Sand	8,023′		
Wolfcamp	8,375′		
Cisco	9,837′		
Strawn	10,190'		
Atoka	10,422'		
Morrow	10,965'		
Barnett	11,852′		
Devonian	12,639'		

Depth

### B. Underground Sources of Drinking Water

Five (5) water wells exist within a one-mile radius of the proposed well. Water wells in the surrounding area have an average depth of 388 feet and an average water depth of 192 feet generally producing from the Carlsbad Basin. The upper Rustler may also be another USDW and will be protected.

IX. Proposed Stimulation Program

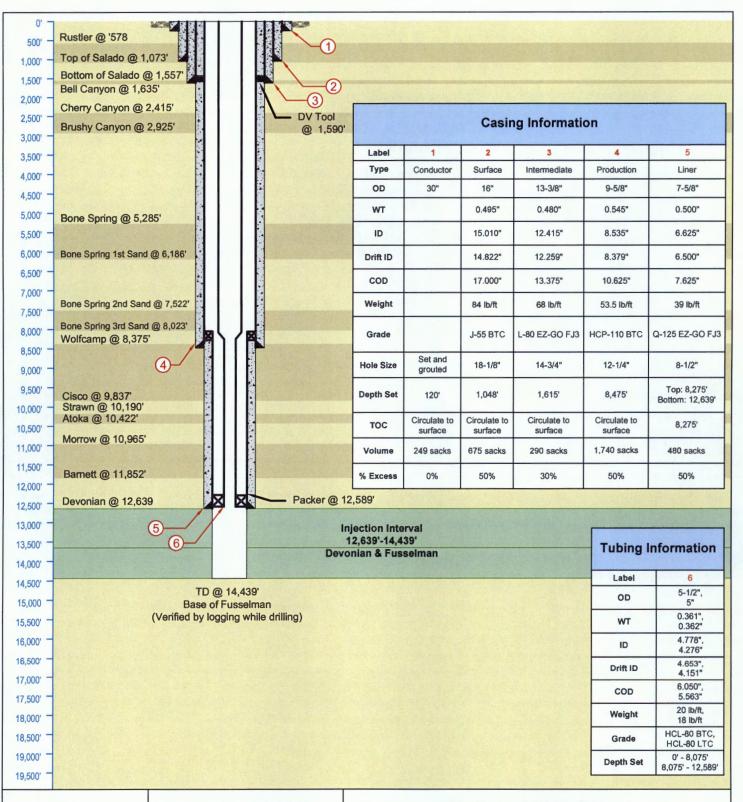
50,000 gallon acid job

X. Logging and Test Data on the Well

There are no logs or test data on the well. During the process of drilling and completion resistivity, gamma ray, and density logs will be run.

### XI. Chemical Analysis of Fresh Water Wells

Attached is a map of the five (5) water wells that exist within one-mile of the well location. Samples from the nearest two wells with recoverable samples present are being obtained and analysis results will be provided as soon as possible. A Water Right Summary from the New Mexico Office of the State Engineer is attached for the five (5) water wells within a 1-mile radius.



LUNQUIST & CO. LLC	Solaris Water Midstream, LLC	Walker SWD No. 1			
PETROLEUM ENERGY Engineers advisors	Country: USA	State/Province: New Mexico	County/Parish: Eddy		
HOUSTON	Location:	Site: 20' FSL & 1,000' FEL	Survey: S25-T24S-R25E		
AUSTIN   WICHITA   DENVER	API No: NA	Field: Silurian-Devonian (Code: 97869)	Well Type/Status: SWD		
Texas License F-9147 NMOCD District No: 2		Project No: 1927	Date: 4/1/2019		
12912 Hill Country Blvd. Ste F-200 Austin, Texas 78738	Drawn: TFM	Reviewed:	Approved:		
Tel: 512.732.9812 Fax: 512.732.9816	Rev No: 1	Notes:			

District I 25 N. French Di none: (575) 393-						ew Mexico d Natural Reso	N FOOS		Form C-10 Revised July 18, 201
istrict II 1 S. First St., A				0.			Jurces	_	
ione: (575) 748- istrict III	1283 Fax: (575	) 748-9720		Oil	Conserva	tion Division			AMENDED REPORT
00 Rio Brazos E				1220	South S	t. Francis Dr.			
istrict IV 20 S. St. Francis none: (505) 476-	3460 Fax: (505	) 476-3462	DEDMIT T			NM 87505	UCP	ACK OR AL	DAZONE
AFFLI	CATIO	IN FUR	<sup>1</sup> Operator Name a	O DRILL, RE	-ENIEF	C, DEEPEN, P	LUGD	OGRID Nun	
		SC 9	DLARIS WATER MID 07 TRADEWINDS BI MIDLAND, TX	STREAM, LLC LVD., SUITE B				371643 <sup>3</sup> API Numb TBD	er
<sup>4</sup> Prope	erty Code			<sup>3</sup> Prop WAL	erty Name KER SWD			0, 1	Well No.
					e Location	n			
UL - Lot P	Section 25	Township 24S	Range 25E	Lot Idn	Feet from 20	N/S Line S	Feet From 1,000	E/W Line E	County EDDY
				* Proposed B	ottom Hol	e Location		l	61
UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
				<sup>9.</sup> Pool II	nformatio	n		1	-
				Pool Name SWD; Devonian-S	ilurian				Pool Code 97869
				Additional W	ell Inforn	nation			
	rk Type N		12. Well Type SWD	<sup>13.</sup> Cabl	e/Rotary R		Lease Type Private	<sup>15.</sup> G	round Level Elevation 3,535'
	ultiple N	1	<sup>7</sup> Proposed Depth 14,439'	<sup>18.</sup> Forma Devonia	ation n-Silurian	19.	Contractor TBD		<sup>20.</sup> Spud Date ASAP
Depth	to Ground wa 540	ater		Distance from neares 1,33		ell		Distance to nearest s >1 mile	
We will b	e using a o	closed-loop	system in lieu of						
			<i>41.</i>	Proposed Casing		ent Program			
	Ho	ole Size	Casing Size	Casing Weight/f	ì	Setting Depth	5	Sacks of Cement	Estimated TOC
Туре		1000				1.048'		675	Surface
Surface		8.125"	16"	84 lb/ft				200	Surface
Surface Intermediat	te l	4.75"	13.375"	68 lb/ft		1,615'		290	Surface
Surface	te 1 n 1							290 1,740 480	Surface Surface 8,275'

See attached schematic.

### <sup>22.</sup> Proposed Blowout Prevention Program

**Casing/Cement Program: Additional Comments** 

Туре	Working Pressure	Test Pressure	Manufacturer
Double Hydrualic/Blinds, Pipe	8.000 psi	10,000 psi	TBD - Schaffer/Cameron

<sup>23.</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	OIL CONSER'	VATION DIVISION
I further certify that Have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC , if applicable. Signature:	Approved By:	
Printed name: Ramona Hovey	Title:	
Title: Consulting Engineer	Approved Date:	Expiration Date:
E-mail Address: ramona@lonquist.com		
Date: April 4, 2019 Phone: 512-600-1777	Conditions of Approval Attached	

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 Phone (676) 393-0161 Fax: (676) 383-0730 DISTRICT II 011 S. First St., Artesia, NM 68210 Phone (675) 748-1283 Fax: (676) 748-9730 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone (606) 334-6178 Fax: (606) 334-6170 DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Fhome (606) 476-3460 Fax: (606) 476-3463

State of New Mexico Energy, Minerals and Natural Resources Department Form C-102 Revised August 1, 2011

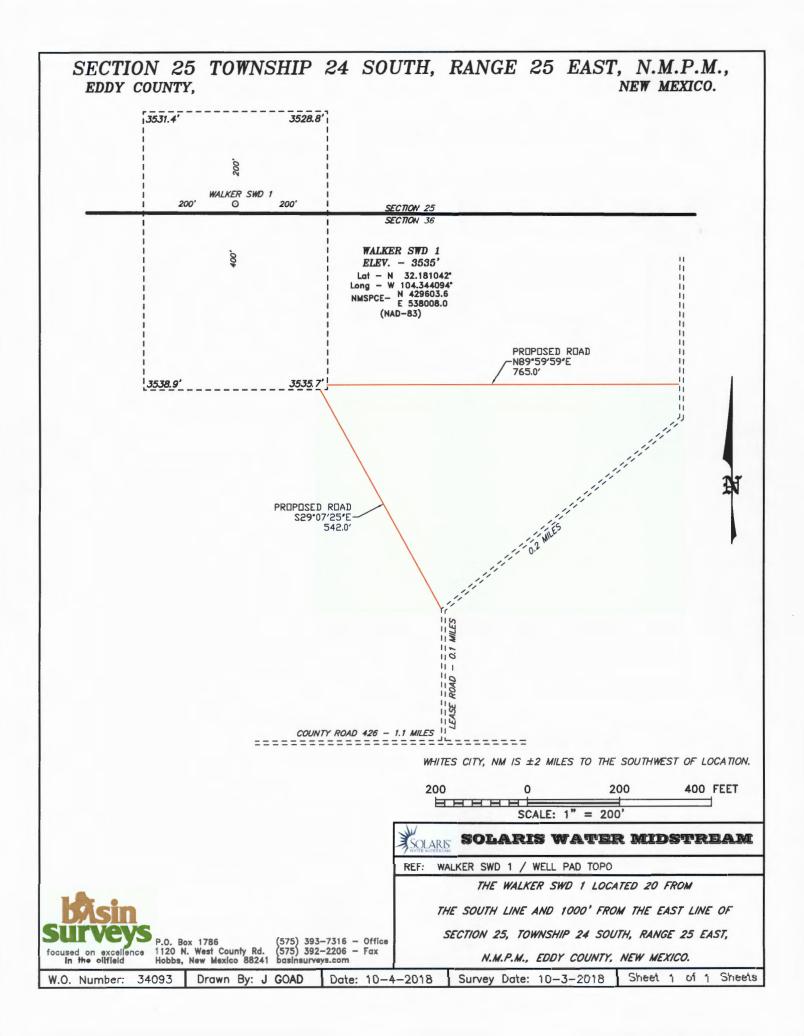
Submit one copy to appropriate District Office

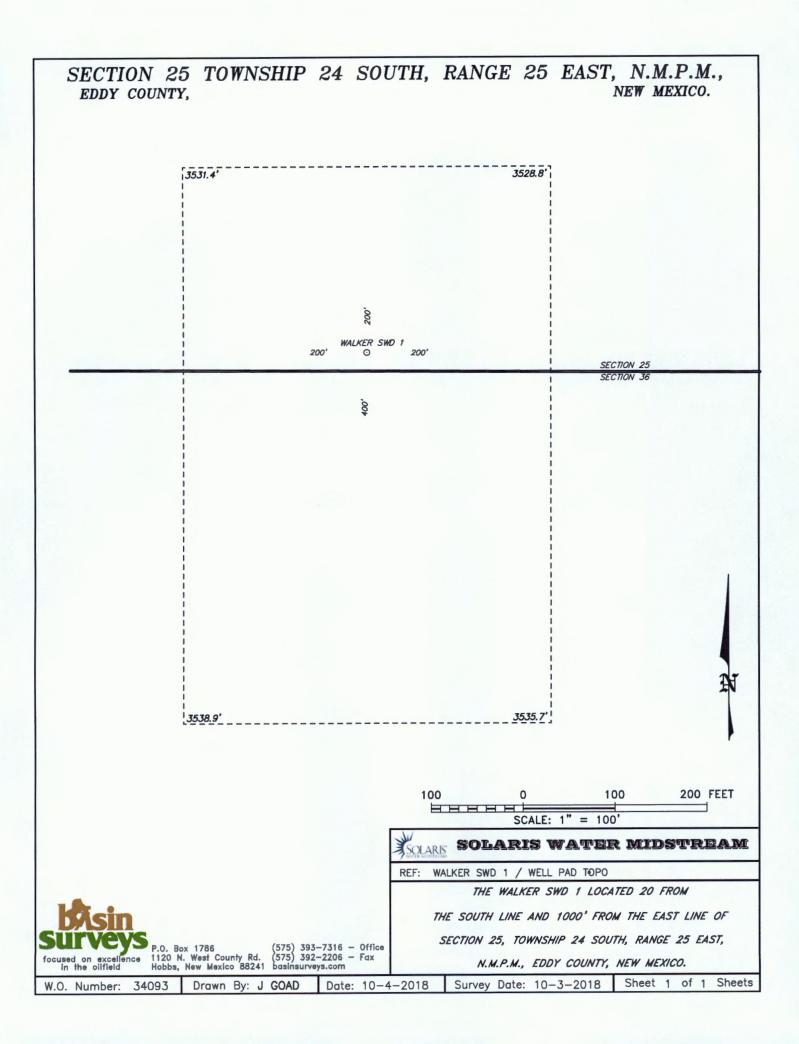
### OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

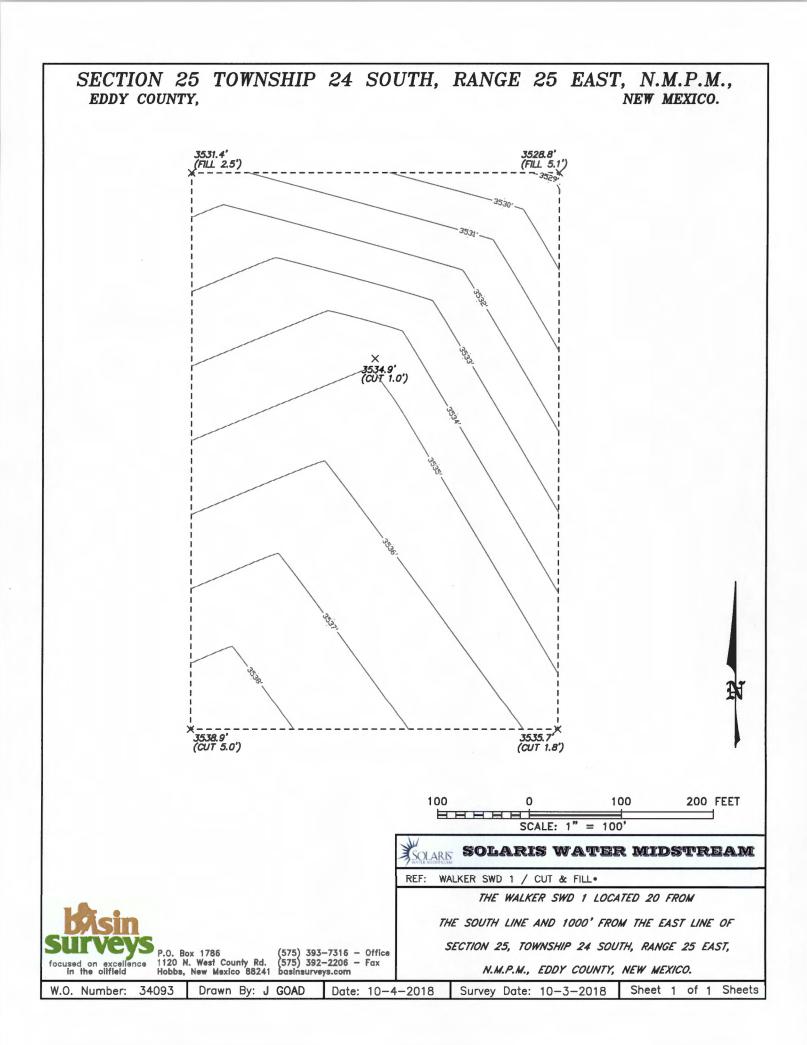
WELL LOCATION AND ACREAGE DEDICATION PLAT

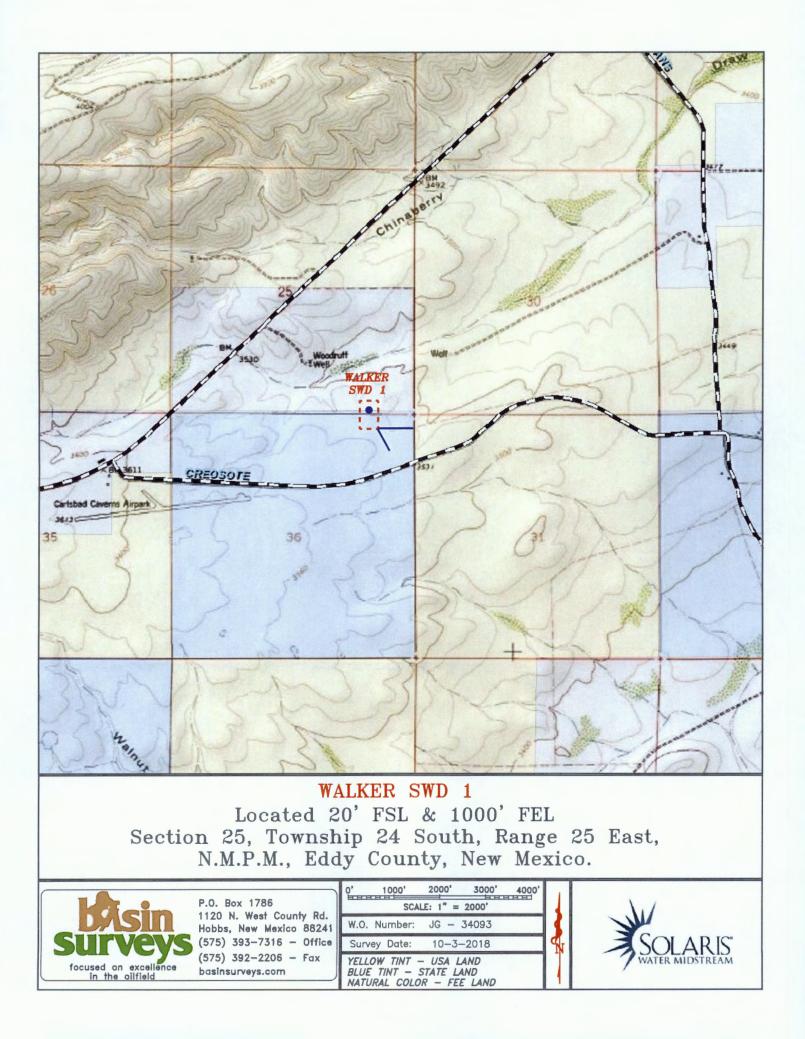
AMENDED REPORT

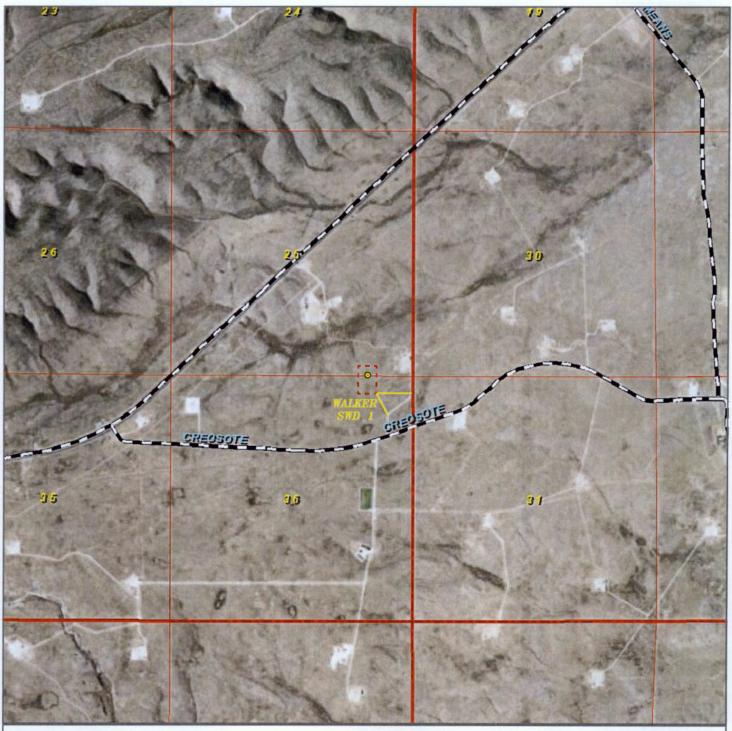
API 1	Number		]	Pool Code				Pocl Name		
				97869				D; Devonian-S		
Property C	ode				Property				Well N	umber
OGRID No	•				Operator	Name			Eleva	
371643				SOLAF	RIS WATER	R MI	DSTREAM, LLC	2	353	5
					Surface	Locat	tion			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/West line	County
Р	25	24 S	25 E		20		SOUTH	1000	EAST	EDDY
			Bottom	Hole Lo	cation If I	Differ	ent From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/West line	County
Dedicated Acres 5.50	Joint o	r Infill Co	nsolidation	Code Or	der No.					
	WABLE W	TILL BE AS	SSIGNED	TO THIS	COMPLETIC	ON UI	TIL ALL INTER	RESTS HAVE B	EEN CONSOLID	ATED
no maio							PPROVED BY			
	1			1		Г		-		
			;	 			N:432216	I hereby of contained here the best of my this organisati interest or unil land including location or has this location po owner of such or to a volunto or the division. Signature Ramona Ho Printed Nam ramona@lon. Email Addre	vey quist.com ss OR CERTIFICA	mation plete to f, and that king st in the hole well at with an g interest, t or a entered by <u>4/3/2019</u> Date TION
				Lat - I	CE LOCATION N 32.181042° W 104.344094 N 429603.6		E:539001 (NAD 83	5 I hereby certify on this plat u actual surveys supervison a correct to ti Date Survey Signature & Professional Certificato	y that the well loca has plotted from fie made by me or nd that the same is he best of my best Streyor 7977 Surveyor 7977 Corry, 1977	ld notes of under my s true and
N:429600.9 E:533717.5 (NAD 83)					N 429603.6 E 538008.0 AD-83)		N:42957 E:539000 (NAD 8)	8.0 3) 0' 500'	1000' 1500 CALE: 1" = 1000' VO Num.: 34093	2000'











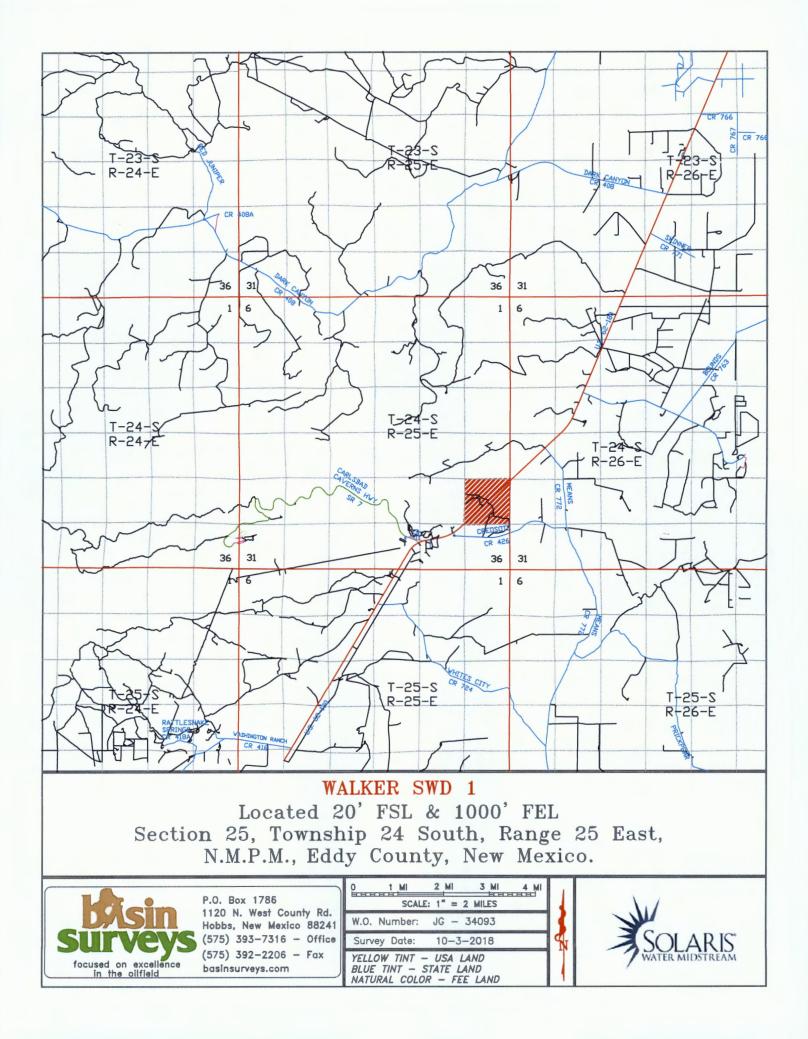
### WALKER SWD 1

Located 20' FSL & 1000' FEL Section 25, Township 24 South, Range 25 East, N.M.P.M., Eddy County, New Mexico.

4000'







SOLARIS WATER MIDSTREAM, LLC Walker SWD #1 (PROPOSED MALEY #6 SWD) Section 25-T24S-R25E 20' FSL & 1,000' FEL Eddy County, New Mexico GEOLOGICAL PROGNOSIS 9/28/2018 Jim Brannigan

GL: 3,558' (est.) KB: Unknown: 3,580' (+22' est.) Proposed Injection Interval:

Tops	Depths (est.)	<u>Subsea (est.)</u>
Rustler	578'	+3,002
T/Salt	1,073'	+2,507
B/Salt	1,557'	+2,023
T/Bell Canyon – Oil	1,635'	+1,945
T/Cherry Canyon – Oil	2,415'	+1,165
T/Brushy Canyon – Oil	2,925'	+655
T/Bone Spring	5,285'	-1,705
T/1 <sup>st</sup> BS Sand – Oil	6,186'	-2,606
T/2 <sup>nd</sup> BS Sand – Oil	7,522'	-3,942
T/3 <sup>rd</sup> BS Sand – Oil	8,023'	-4,443
T/Wolfcamp – Oil	8,375'	- 4,795
T/Cisco – Gas	9,837'	-6,257
T/Strawn – Gas	10,190'	-6,610
T/Atoka – Gas	10,422'	-6,842
T/Morrow LS	10,965'	-7,385
T/Morrow Clastics – Gas	11,254'	-7,674
T/Lower Morrow – Gas	11,639'	-8,059
T/Barnett	11,852'	-8,272
T/Devonian	12,639'	-9,059

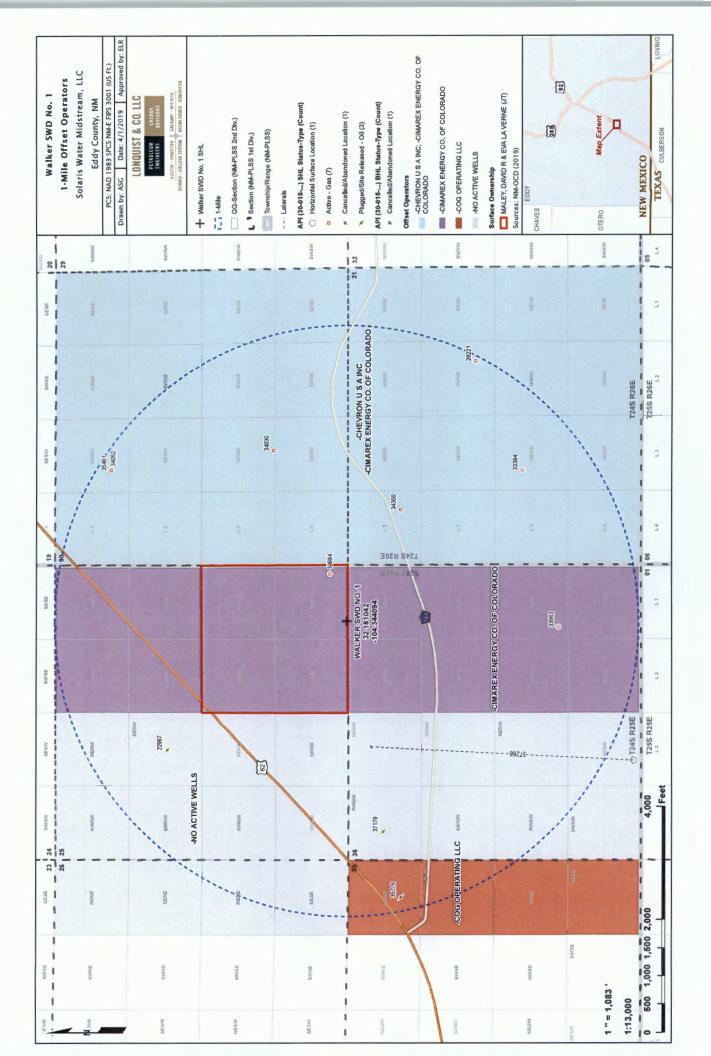
The Top of the Devonian was determined by Geomaps and interval tops.

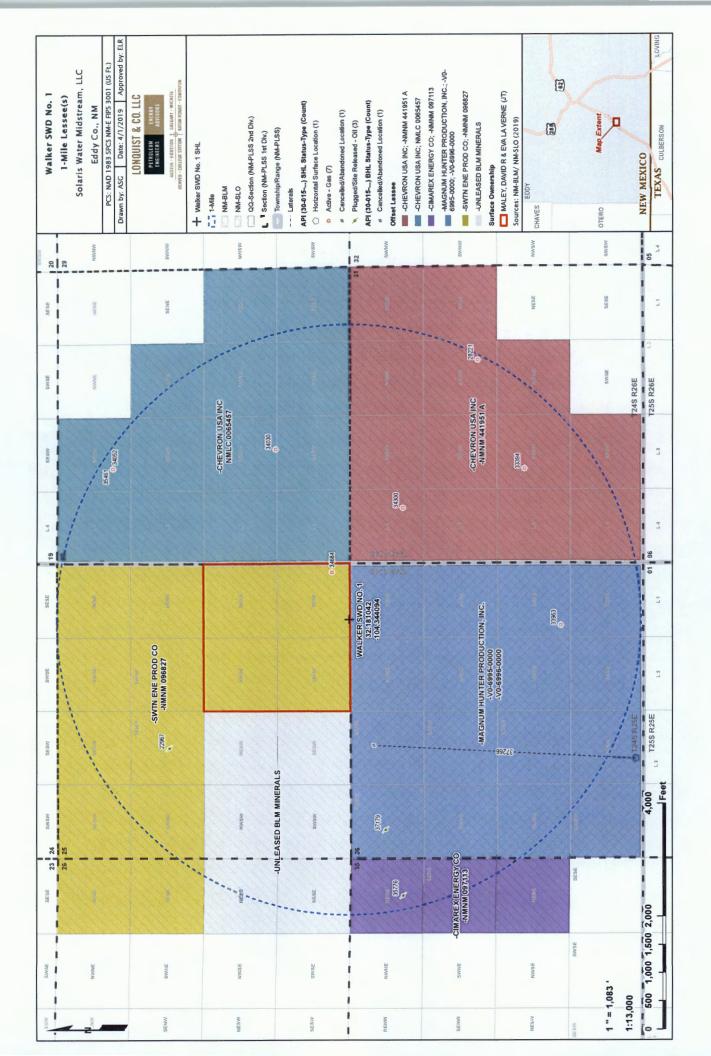
Walker SWD No. 1	2 Mile Area of Review	Solaris Water Midstream, LLC Eddy County, NM	PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)	Drawn by: ASG Date: 3/29/2019 Approved by: ELR	PETROLEUM ENERGY ENGINEERS ADVISORS	AUSTIN - HOUSTON - WICHITA - DENVER - CALGARY + Walker SWD No. 1 SHL	C 1/2-Mile	CQ-Section (NM-PLSS 2nd Dlw)     Section (NM-PLSS 1st Dlw)	Township/Range (NM-PLSS) Lateral	API (30-015) SHL Status-Type (Count) O Horizontal Surface Location (10)	Active - Gas (22)     Active - Oll (1)     Constitution (4)		API (30-015) BHL Status-Type (Count) Active - Gas (4)	<ul> <li>Active - Oil (2)</li> <li>Cancelled(Abandoned Location (5)</li> <li>Demnited - Case (1)</li> </ul>	2		LEA LEA	Map Extent	CULBERSON LOUNG TEXAS WINKLER
15-MS	1	Show A		Store State	89459 2	Alexy)	20075	N/N BS	2	Ne an	REAR	Ser 10	Jos La Maria	N N N		Series 1	NEW	100	water
salas	16	Manue		BRITAN	NS:04	55.94	28 MOTO	(011000	Itraee	in a sub-	33	Notice -	NEDI	844.06	40	Science	NANY	A REAL	60
838		31216		and		1	No.	3 11	ii.	a se se	sene	Sec.	REE	91.5	5		5	Г. W	JIN JIN
BW/SE		WYER		Shrink.	Allinet	in di	* 33245		10	1	(SCAC	20297				5	2	1) 1) 1) 1)	HIM N
NUR	-	(energy)		Annat			*	00409	24153	49.20		(M) 20	33229	T24S R26E	T255 R26E	20905	5		AN ELHI
Svera	1	20				and the second	29 %ARTY	8	NEEDA	News	32 0	Annal	ALEXAN	gwas T24	05 T25				08
SER	1	No.		8	22118	35.26	ii ii	20821	an a	33387		28221	Near	35494 X	34280	11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	The second se	SESE.	MENE
Nort				24056	34162	34051		1.	30	(ACM)	HWME	SA WE	1.1	lorst		10.00	36125	No.	INDIA
Art and	1	No. of Concession, Name	SENIO	***	Shiroe	a state	× 35461	Merry	34030	i i	34300	NN 101	33394		@ <u>\$</u>	Service .	æ 2	3	on see
	- 18	19		i dalaria dalar		-	Ŕ	248 826E	-	34684	36 31		3	3	90		255 R26E		12 07
issi		25854	FENE	21148 *- 21203 - •	NEGE	1	in the			D NO. 1 181042 344094	Č I	BND	33963		- 9	34109 ****	26925 ø	33	NEN
	1		S. S. S.		-	1 5M 10		22967		WALKER SWD NO. 1 32.181042 -104.344094	NACONI	1	1944H			water	a 3	Ø	PRIMIN DO
				₩	Ð	3		N	a x	SCRN.	37179		31266	;i-€	o	37	7393	1	- Control -
20	=	2 1				8	52				35776			35008	34423	5 2	66£7£		2 Miles
	1	6.ME		•	iterit.			H		and the second sec	k		-			3 JNR	1		
				anoris .		34400 34400 35846		a stress	http://	ares a			35613	888 T24S R25E	* - 96		-		
14 8 M	1	an a		No.		an a	201100	STR. 15	ALC: DA	ş	1	Series.	199 A	areas	355	an a	e.	59 4 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
and the	=1:	Series .			ADA	a a a a a a a a a a a a a a a a a a a	12				35			1	02	-			
acat.	-	ANTE		lives	Mical	in the second	State:	Strate	26.05	ana	Terrar	In the second	No.24	ative	2	an the	14.28		* -
,	1	and a		N.	1	ţ,		14.02	NC 201		Se un	N.	ACIN	A CONTRACTOR	3	No. of	A A A A A A A A A A A A A A A A A A A		* -
Service Service	15	1 22		N 100	Lintere	Tankor	28 27	NUNC	Nove of	×3 80	33 34 Marcine Service			855 000	04 03	an an	in the second	1)" = 2,250 <sup>-</sup> 1:27,000	~ ~

### Walker SWD No. 1 1 Mile Area of Review List

				FCAMP (GAS)		5AS); 12536i, STRAWN (GAS)			FCAMP (GAS)				
FIELD	11/1/1979 [96032] WILDCAT, GROUP 1	(87280) WHITE CITY, PENN (GAS)	12/31/9999 [87280] WHITE CITY, PENN (GAS)	[87280] WHITE CITY, PENN (GAS); [97693] BLACK RIVER, WOLFCAMP, SW (GAS)(ABOL; [98220] PURPLE SAGE, WOLFCAMP (GAS)	[87280] WHITE CITY, PENN (GAS)	[74900] CHOSA DRAW, MORROW (GAS); [96070] WC, MORROW (GAS); [97566] WALNUT CANYON, UPPER PENN (GAS); [97693] BLACK RIVER, WOLFCAMP, SW (GAS)(ABOL; [98220] PURPLE SAGE, WOLFCAMP (GAS); [98221] WC-015 S242356I, STRAWN (GAS)	12/23/2004 [[87280] WHITE CITY, PENN (GAS); [98220] PURPLE SAGE, WOLFCAMP (GAS)	(96382) WHITE CITY, DELAWARE	[87280] WHITE CITY, PENN (GAS); [97693] BLACK RIVER, WOLFCAMP, SW (GAS)(ABOL; [98220] PURPLE SAGE, WOLFCAMP (GAS)	[74900] CHOSA DRAW, MORROW (GAS); [97566] WALNUT CANYON, UPPER PENN (GAS);	4/26/2006 [97693] BLACK RIVER, WOLFCAMP, SW (GAS)(ABOL; [98220] PURPLE SAGE, WOLFCAMP (GAS)		1/6/2008 [74900] CHOSA DRAW, MORROW (GAS); [97841] WILDCAT G-04 5252501H, BONE SPRING
SPUD DATE	11/1/1979	12/6/1994	12/31/9999	4/25/2007	3/11/2006	4/21/2005	12/23/2004	9/20/2009	5/25/2005		4/26/2006	12/31/9999	1/6/2008
LONGITUDE (NAD83 DD) SPUD DATE	-104.351554900	-104.329071000	-104.335352220	-104.335365300	-104.337623600	-104.344398500	-104.335350000	-104.356323200	-104.334236100		-104.341354400	-104.352150318	-104.360076900
LATITUDE (NAD83 DD)	32.1899643000	32.1746635000	32.1927632298	32.1927643000	32.1783714000	32.1705322000	32.1723328000	32.1792259000	32.1846962000		32.1818924000	32.1668081357	32.1783409000
TVD (FT.)	11772	11901	0	12000	12135	12074	12079	4850	12155		11259	0	11900
OPERATOR	SNOW OIL & GAS INC	CHEVRON U S A INC	CIMAREX ENERGY CO. OF COLORADO	CIMAREX ENERGY CO. OF COLORADO	CIMAREX ENERGY CO. OF COLORADO	CIMAREX ENERGY CO. OF COLORADO	CIMAREX ENERGY CO. OF COLORADO	CIMAREX ENERGY CO. OF COLORADO	CIMAREX ENERGY CO. OF COLORADO		CIMAREX ENERGY CO. OF COLORADO	CIMAREX ENERGY CO. OF COLORADO	COG OPERATING LLC
STATUS	٩	A	v	A	A	¥	A	Ч	A		A	J	٩
WELL TYPE STATUS	0	9	9	9	9	9	9	0	U		9	0	0
WELL NAME	CAVERNS FEDERAL #001	WHITE CITY 31 FEDERAL #001	J M GATES NCT-1 FEDERAL #004C	J M GATES FEDERAL NCT-1 #004	WHITE CITY 31 FEDERAL #003	PARK STATE 36 COM #001	WHITE CITY 31 FEDERAL A #002	PARK STATE 36 COM #002	J M GATES FEDERAL NCT-1 #003		OZLEY 25 FEDERAL #001	PARK STATE 36 COM #003	HOT SEAT FEDERAL COM #002
API (30-015)	22967	28221	34052	35461	34300	33963	33394	37179	34030		34684	37266	35776

Walker SWD No 1 - 1 Mile Area of Review List NM-OCD (2019)

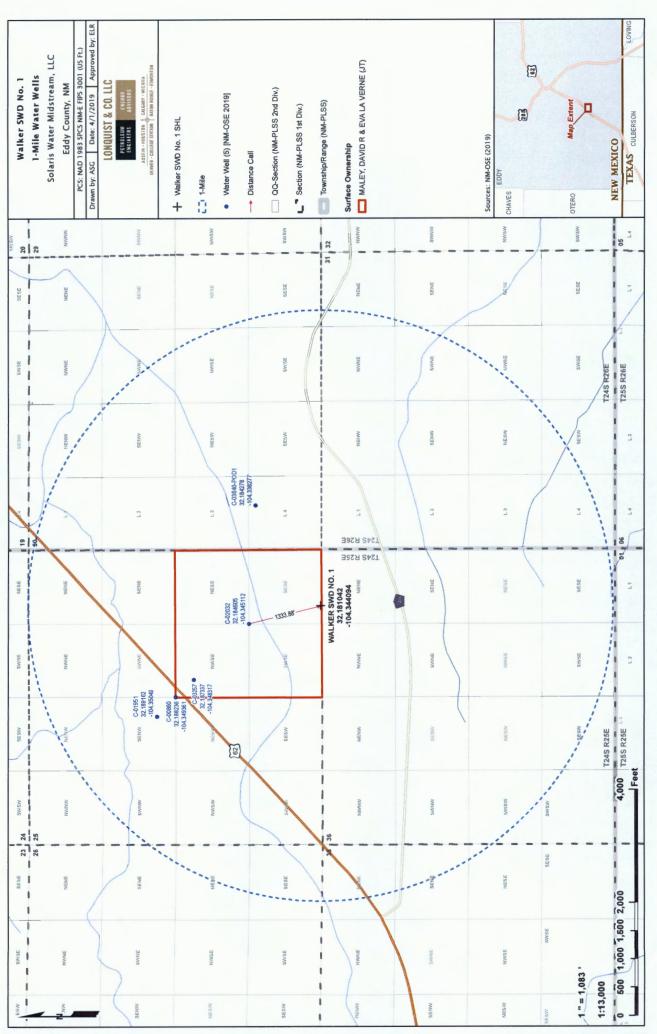




Walker SWD No. 1 1 Mile Offset Operators and Lessees List

S/T/R	QQ UNIT LETTER(S)	OPERATOR	MINERAL LESSEE	MINERAL OWNER	SURFACE OWNER	ADDRESS 1	ADDRESS 2
26/T24S/R26E	A,B,G,H,I,J,O,P	CIMAREX ENERGY CO. OF COLORADO				600 N MARIENFELD STREET SUITE 600	MIDLAND. TX 79701
	A,B,C,D,E,F,G,H,I,J,O,P		SWTN ENE PROD CO			2360 N SAM HOUSTON	HOUSTON TX 77032
	K,L,M,N		•		SCOTT. JOHN & SUSAN & GREGORY. ALAN DAVID	1830 N CANAL	CARLSBAD NM 88220
	K,L,M,N				MALEY, DAVID & LAVERN (JT)	PO BOX 519	CARLSBAD NM 882210519
26/T24S/R25E	A,H		SWTN ENE PROD CO			2350 N SAM HOUSTON	HOUSTON TX 77032
35/T24S/R26E	AHJ	COG OPERATING LLC				600 W ILINOIS AVE	MIDLAND. TX 79701
	AHJ		CIMAREX ENERGY CO			600 N MARIENFELD ST STE 600	MIDLAND TX 797014405
36/T24S/R25E	A,B,G,H,I,J,O,P	CIMAREX ENERGY CO. OF COLORADO				600 N. MARIENFELD STREET SUITE 600	MIDLAND. TX 79701
	ENITRE SECTION		MAGNUM HUNTER PRODUCTION, INC.			600 N MARIENFELD STREET. SUITE 600	MIDLAND. TX 79701
30/T24S/R26E	ENTIRE SECTION	CHEVRON U S A INC	•			6301 DEAUVILLE BLVD	MIDLAND. TX 79706
	ENTIRE SECTION	CIMAREX ENERGY CO. OF COLORADO	· · · · · · · · · · · · · · · · · · ·	-		600 N. MARIENFELD STREET SUITE 600	MIDLAND. TX 79701
	ENTIRE SECTION		CHEVRON USA INC			6301 DEAUVILLE	MIDLAND TX 797062964
31/T24S/R26E	ENTIRE SECTION	CHEVRON U S A INC				6301 DEAUVILLE BLVD	MIDLAND. TX 79706
	ENTIRE SECTION	CIMAREX ENERGY CO. OF COLORADO				600 N. MARIENFELD STREET SUITE 600	MIDLAND, TX 79701
	ENTIRE SECTION		CHEVRON USA INC			6301 DEAUVILLE	MIDLAND TX 797062964
Surface Location			•	BUREAU OF LAND MANAGEMENT	KIMBLEY. NATALIE K	PO BOX 519	CARLSBAD NM 88220

Walker SWD No. 1 - 1 Mile Offset Operators and Lessees List NM-OCD (2019)



					Water Rights Summary - Walker SWD No. 1	alker SWD No. 1				
Well Name	Use	Use of Well	Status	POD Status	Use Use of Well Status POD Status Owner Last Name	<b>Owner First Name</b>	Well Depth	Well Depth Water Depth UTM Easting UTM Northing	<b>UTM Easting</b>	<b>UTM Northing</b>
C 01951	PUB null	Inull	PMT	null	NEW MEXICO STATE HIGHWAY DEPT.	Ilun	null	null	561224	3561588
C 03257	STK null	Ilun	PMT	PEN	MALEY	DAVID	Iluu	Inul	561430	3561387
C 03640 POD1 STK null	STK	Inul	PMT	null	COX	JOE	Inull	Inul	562378.5	3561053.7
C 00860	STK null	Iluu	PMT	ACT	WHITE	HILARY	700	540	561331	3561486
C 02032	STK nul	Inull	PMT	null	MALEY	DAVID R	null	Inul	561734	3561086

			Ne					the Sta Sum		Engineer <b>ary</b>
get image list	WR File Num Primary Purp Primary Stat	oose:	C 008 STK PMT			Subbasii /ESTOCK W		Cross Re	ference	e:-
	Total Acres: Total Diversi Own	on:	3			Subfile: Cause/Ca	- ase: -			
All and	<b>Frn # Doc</b> 161664 72121	File/A 1958-		1	tus 2 LOG	Transaction C 00860	Desc.	From/ To T	Acres	Diversion Consumptive
	Dints of Divers		-		Q Q 16 4	<b>Sec Tws Rng</b> 25 24S 25E			Other	Location Desc

\*An (\*) after northing value indicates UTM location was derived from PLSS - see Help

				New			co Offi <b>:er R</b>				Engineer <b>ary</b>
Ø	WR F	ile Num	nber:	C 0195	1		Subbasi	n: C	Cross F	Reference	9:-
get image list	Prima	ry Pur	pose:	PUB	72-12	-1 CC	DNSTRUCTI	ON OF PL	JBLIC WOR	KS	
<u> </u>	Prima	ry Stat	us:	PMT	PERM	IIT					
	Total	Acres:					Subfile:	-			
	Total	Diversi	ion:	0			Cause/Ca	ase: -			
		Owr Cont		NEW MI MICHAE			TE HIGHWA	Y DEPT.			
ocument	s on F	ile									
т	'rn #	Doc	File/A	ct	Sta 1	tus 2	Transaction	Desc.	From/ To	Acres	Diversion Consumptiv
images 4	64914	72121	1981	-02-25	PMT	APR	C 01951		т		3
POD N C 019	Number			Tag Sou	irce 64		<b>Sec Tws Rng</b> 25 24S 25E	×	M in meters) Y 3561588* (		Location Desc

	at the State Cape	
5	AN AN	
	eritale Strem Commission	

### New Mexico Office of the State Engineer Water Right Summary

<b>F</b>	WR Fil	e Numl	ber: C(	2032			Subbasin:	с	Cross Ref	erence	e:-
get image list	Primar	y Purp	ose: ST	K 7	2-12-	1 LIV	ESTOCK WA	TERING			
get image list	Primar	y Statu	s: PN	т р	ERM	Т					
	Total A	cres:					Subfile:	-			
	Total D	versio	on: 3				Cause/Cas	e: -			
		Owne	er: DA	VID R	MALE	ΞY					
		Conta	ct: DO	N TITU	JS						
		Owne Conta		A LAVE N TITU		MA	LEY				
ocument	ts on Fil	e									
	[rn#[	Doc	File/Act		Stat	us 2	Transaction D		From/ To	A	Diversion Consumptive
	600009 (			2-08	CHG	-	C 02032	esc.	Т	Acres	Diversion Consumptive
images_	465346	72121	1982-08-1	6	PMT	APR	C 02032		т		3
Current Po	oints of	Diversi	on		0	00	()	IAD83 UTN	/ in meters)		
POD 1 C 020	Number		Well Tag	Sourc		16 4	Sec Tws Rng 25 24S 25E	<b>X</b> 561734	Y 3561086* 🌍	Other	Location Desc
	*4.0	(*) after n	orthing va	luo indi	cates	ITM L	ocation was deriv	od from B	I SS . coo Holo		

\*An (\*) after northing value indicates UTM location was derived from PLSS - see Help

NET LET RETAIL Commission		co Office of er Right			-
WR File Number:		Subbasin: C	Cross Ref	erence	e:-
get image list Primary Purpose:		ESTOCK WATERING			
Primary Status:	PMT PERMIT				
Total Acres:		Subfile: -			
<b>Total Diversion:</b>	3	Cause/Case: -			
Owner:	DAVID MALEY				
Documents on File					
	Status		From/		
Trn # Doc File/A	Act 1 2	Transaction Desc.	То	Acres	Diversion Consumptive
et <u>get</u> 468304 72121 2006 images	-01-19 PMT APR	C 03257	Т		3
Current Points of Diversion	0 0 0	(NAD83 UTM	l in meters)		
POD Number Well	Tag Source 6416 4	Sec Tws Rng X	Y	Other	Location Desc
C 03257	1 1 1	25 24S 25E 561430	3561387* 🎑		

\*An (\*) after northing value indicates UTM location was derived from PLSS - see Help

	and the State Cape
8	and the
	"
100	erstate Stream Commission

### New Mexico Office of the State Engineer Water Right Summary

<b>P</b>	WR F	ile Nun	nber:	C 03	3640		Subbasin	: C	Cross R	eferenc	e:-
get image lis	Prima	ary Pur	pose:	STK	72-12	-1 LIV	ESTOCK W/	TERING			
gerinagens	_	ary Stat	us:	РМТ	PERM	١T					
	Total	Acres:					Subfile:	-			
	Total	Divers	ion:	3			Cause/Ca	se: -			
		Ag	ent:	JOE	сох						
		Ow	ner:	JAN	ET COX						
		Ow	ner:	BLM							
		Cont	act:	STE	VE DALY,	CFC	)				
Docume	nts on F	ile									
					Sta	itus			From/		
-	Trn #	Doc	File/A	lct	1	2	Transaction [	Desc.	То	Acres	Diversion Consumptive
images	527865	72121	2013-	-05-16	PMT	APR	C 03640		т		3
Current F	Points o	f Diver	sion								
					G	QQ	(	NAD83 UTM	l in meters)		
	Numbe		Well	Tag			Sec Tws Rng	х	Y	Other	Location Desc
<u>C 03</u>	640 POE	01			2	3 3	30 24S 26E	562378	3561053	)	

						Offsetting Produced Wate	oduced V	<b>Offsetting Produced Water Analysis</b>									
Well Name	API Secti	Section Township	ip Range	Unit County	ounty Field	Formation	ph tds	tds mgL sodium	sodium mgL  calcium mgL  iron mgL  magnesium mgL	m mgL iro	on mgL mag		manganese mgl	chloride mgL	chloride mgl  bicarbonate mgl  sulfate mgl  co2 mgl	sulfate mgL	co2 mgl
FED D #002	3001500389	12 24S	26E	P EC	EDDY BLACK RIVER	ATOKA		60623									
WILLIAMS GAS COM #001	3001522686	25 235	28E	CED		ATOKA	8.2	236539						138000	2370	3950	
WILLIAMS GAS COM #001	3001522686	25 235	28E	C	EDDY CULEBRA BLUFF SOUTH	ATOKA	7.9	217050						128000			
DOC HOLUDAY 32 STATE COM #001	3001541145	32 24S	27E	D EC	EDDY	BONE SPRING 2ND SAND	6.7 1	193316.3	59944.7	8287.7	63.6	1065.9	1.03	120600		17	
PREACHER 19 FEDERAL #003H	3001541887	19 24S	27E	0 ED	EDDY	BONE SPRING 2ND SAND	6.5 1	193786.1	67996.2	3049.5	50	455.6	0	119000		34	300
PREACHER 19 FEDERAL #003H	3001541887	19 24S	27E	O ED	EDDY	BONE SPRING 2ND SAND	7 1	177819.6	60298.5	5557.4	49.5	721.3	0	10		0	
JOSEY WALES 16 STATE COM #003H	3001541090	16 24S	27E	O EC	EDDY	BONE SPRING 2ND SAND	6.47 1	179419.7	56191	7263	34	907	0.8		-	S	
DOC HOLLIDAY 32 STATE COM #001	3001541145	32 24S	27E	DEC	EDDY	BONE SPRING 2ND SAND	6.3 2	205799.3	64141.4	9202.6	68.4	1164.7	1.1	1			430
BRADLEY FEDERAL #002	3001500387	11 24S	26E	P EC	EDDY BLACK RIVER	DELAWARE									650	3099	
CRAWFORD #001	3001501121	9 24S	27E	K EC	EDDY	DELAWARE		95055						58570		187	
ST HAMILTON #001	3001501126	15 24S	27E	MED	EDDY	DELAWARE		301812						189600			
GOMEZ #001	3001522595	5 235	28E	KED	EDDY HERRADURA BEND	DELAWARE	6.4	133440						80500	303		
KIM #001	3001524589	21 235	28E	C	EDDY	DELAWARE	4.9	202807	60819.2	20577.5	2.84	4029.39		143136	38.624	213.568	
WILLIAMS ESTATE #001	3001527173	34 235	28E	PEC	-	DELAWARE-BRUSHY CANYON	5.96	101919	34645.1	5772.75	33.325	1197.55		67289.6	40.85	228.975	
AMOCO FEDERAL 11 #005	3001526527	11 235	28E	GED	EDDY LOVING EAST	DELAWARE-BRUSHY CANYON	6.2	283902	77440	39539.6	36.983	6396.87		211161	72.773	243.372	
ALAOCO FEDERAL 11 #000	3001526496	11 235	385	B EC	EDDY LOVING EAST	DELAWARE-BRIISHY CANYON	5 38	307701	96916.8	34317.6	46.8	5392.8		228593		505.2	
AMOCO FEDERAL 11 #005	3001526527	11 235	28E	B	EDDY LOVING EAST	DELAWARE-BRUSHY CANYON	6.03	297557	90601.8	35088.6	63.017	4688.23		218632	49.938	619.469	
JURNEGAN POINT #001	3001510280	5 245	25E	M	EDDY WILDCAT	DEVONIAN	2	229706						136964			
IURNEGAN POINT #001	3001510280	5 245	25E	M	EDDY WILDCAT	DEVONIAN	7	203100						121100	175	2220	
WHITE CITY PENN GAS COM UNIT 1 #001	3001500408	29 245	26E	AED		DEVONIAN	7		6072	1002		132		10120			
JURNEGAN POINT #001	3001510280	5 245	25E	M		MORROW	6.75	176935						106800		1150	
URNEGAN POINT #001	3001510280	5 245	25E	M		MORROW	6.75	196574						118655	177		
URNEGAN POINT #001	3001510280	5 245	25E	W	EDDY WILDCAT	MORROW	6.81	216221						129200			
D'NEILL FEDERAL #001	3001520301	11 245	26E	L EC	EDDY CARLSBAD SOUTH	MORROW	5.7	123887	49189.7	2808	351			81000	36	81	
VILLA A COM #001	3001522886	8 235	28E	KEC	EDDY LOVING NORTH	MORROW	5.08	27040.2	8664.21	1173.13	553.382	128.646		16623.9		147.(	
VILLA A COM #001	3001522886	8 235	28E	K EC	EDDY LOVING NORTH	MORROW	6.32	6803.65	2064.35	329.289	154.071	39.273		3939.38	56.392	209.456	
VILLA A COM #001	3001522886	8 235	28E	K EC	EDDY LOVING NORTH	MORROW	6.7	7360.18	1292.43	422.1	1059.27	56.28		4157.68			
BFANTLEY #001	3001522677	22 235	28E	K EC	EDDY NORTH LOVING	MORROW	6.5	278468						166000	78	3400	
ESTILL AD FED #001	3001522118	19 245	26E	J EC	EDDY WHITE CITY	PENNSYLVANIAN	7	19085		066	0	130		10000	9		
WHITE CITY PENN GAS COM UNIT 1 #001	3001500408	29 24S	26E	A EL	EDDY WHITE CITY	PENNSYLVANIAN		19085						10000			
R.S. STATE #001	3001501132	27 245	27E	N EC	EDDY	PENNSYLVANIAN		48387						26570		2263	
BLADLEY FEDERAL #006	3001500386	11 24S	26E	I EC	EDDY HOBBS	SAN ANDRES	8.5	10492						5070			
BRADLEY #007	3001500385	11 24S	26E	OED	EDDY HOBBS	SAN ANDRES	8.8	6811						2948	429	887	
WHITE CITY PENN GAS COM UNIT 1 #001	3001500406	29 245	26£	A EL	EDDY	WOLFCAMP	2		6000	066	0	130		10000			
LEE J FED #001	3001505973	18 24S	26E	J EC	EDDY	WOLFCAMP	8.1	-		-				9100			
HABANERO 17 FEDERAL COM #001H	3001536108	17 24S	27E	A ED	EDDY	WOLFCAMP	6.5	108205	35110.8	4480.2	28.5	627.9	0.61	65927.2	146		30
SERRANO 29 FEDERAL #001H	3001537763	29 245	27E	н	EDDY	WOLFCAMP			30415.1	5311.5	40.2	643.7	1.47	62812.7		0	
SERRANO 29 FEDERAL #001H	3001537763	24 245	375			NAIOU ECANAD	-	0 00000									

### McMillan, Michael, EMNRD

From: Sent: To: Subject: Attachments: Ramona Hovey <ramona@lonquist.com> Tuesday, April 16, 2019 8:12 AM McMillan, Michael, EMNRD [EXT] RE: Walker Affected Parties Affadavit AffidavitofPublication\_Walker.pdf

I apologize - I misheard yesterday. Here is the affidavit. Sorry for hassle!

Regards,

Ramona Hovey Sr. Petroleum Engineer



Office: 512-600-1777 Cell: 512-585-0654 12912 Hill Country Blvd., Suite F-200, Austin, Texas, 78738 ramona@longuist.com · www.longuist.com

AUSTIN · HOUSTON · CALGARY · WICHITA · BATON ROUGE · DENVER · COLLEGE STATION

This email and any attachments thereto may contain private, confidential and privileged material for the sole use of the intended recipient. Any review, copying, or distribution of this email (or any attachments thereto) by others is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and permanently delete the original and any copies of this email and any attachments thereto.

From: McMillan, Michael, EMNRD <Michael.McMillan@state.nm.us> Sent: Tuesday, April 16, 2019 8:54 AM To:.Ramona Hovey <ramona@lonquist.com> Subject: RE: Walker Affected Parties Affadavit

Where is the affidavit of publication?

From: Ramona Hovey <<u>ramona@lonquist.com</u>> Sent: Monday, April 15, 2019 4:59 PM To: McMillan, Michael, EMNRD <<u>Michael.McMillan@state.nm.us</u>> Subject: [EXT] Fwd: Walker Affected Parties Affadavit

Sent from my iPhone

Begin forwarded message:

From: Tyler Moehlman <<u>tyler.moehlman@lonquist.com</u>> Date: April 15, 2019 at 5:45:42 PM CDT To: Ramona Hovey <<u>ramona@lonquist.com</u>> Subject: Walker Affected Parties Affadavit

Ramona,

Attached is the affected parties affidavit for the Walker.

Tyler F. Moehlman, Petroleum Engineer

[External email]

## CURRENT-ARGUS

## AFFIDAVIT OF PUBLICATION

## Ad No. 0001281767

LONQUIST FIELD SERVICE 1001 MCKINNEY ST., SUITE 1650

HOUSTON TX 77002

I, a legal clerk of the **Carlsbad Current-Argus**, a 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 and advertisements may be 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:

03/30/19

egal

Subscribed and sworn before me this 1st of April 2019.

State of WI County of Brown NOTARY PUBLIC

My Commission Expires

Ad#:0001281767 P O : Walker SWD #1 # of Affidavits :0.00



## Legal Notice

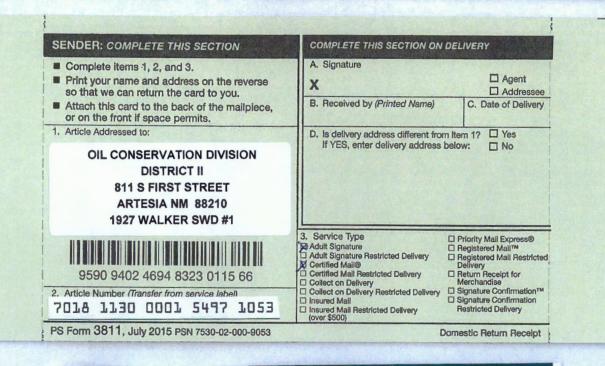
Solaris Water Midstream, LLC, 907 Tradewinds Blvd., Suite B, Midland, TX 79706, is filling Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well Walker SWD No. 1. The proposed well will be located 20' FSL & 1,000' FEL in Section 25, Township 24S, Range 25E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Devonian-Silurian formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 12,639 feet to a maximum depth of 14,439 feet. The maximum surface injection pressure will not exceed 2,528 psi with a maximum rate of 40,000 BWPD. Interested parties opposing the action must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Additional information can be obtained from the applicant's agent, Lonquist & Co., LLC, at (512) 600-1774.

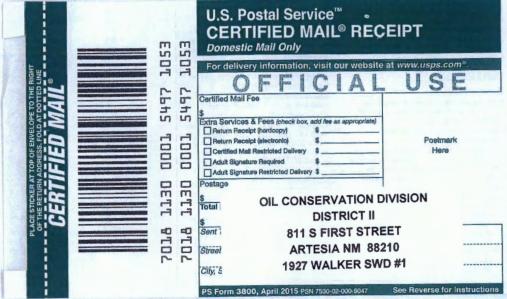
March 30, 2019

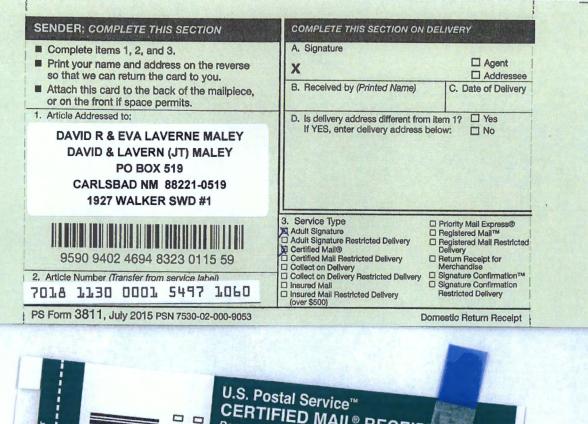
COUNTY CLERK	MAILING ADDRESS PHG	PHONE TRACKING # (USPS)	DATE SHIPPED	DATE RECEIVED
<b>OIL CONSERVATION DIVISION DISTRICT II</b>	811 S. FIRST ST., ARTESIA, NM 88210	7018 1130 0001 5497 1053		
OIL CONSERVATION DIVISION DISTRICT IV	1220 S ST FRANCIS DR, SANTA FE, NM 87505	FEDEX - 7749 3136 9142		
SURFACE LANDOWNERS	MAILING ADDRESS			
David R. and Eva Laverne Maley	P.O. Box 519, Carlsbad, NM 88221-0519			
John & Susan Scott	1830 N Canal, Carisbad, NM 88220	7018 1130 0001 5497 1077		
Alan David Gregory	1830 N Canal, Carlsbad, NM 88220	7018 1130 0001 5497 1084		
David & Lavern (JT) Maley	P.O. Box 519, Carlsbad, NM 88221-0519	7018 1130 0001 5497 1060		
<b>GOVERNMENT AGENCY</b>	MAILING ADDRESS			
Bureau of Land Management	620 E Greene Street Carlsbad, NM 88220	7018 1130 0001 5497 1091		
New Mexico State Land Office	310 Old Sante Fe Trail Sante Fe, NM 87501	FEDEX - 7749 3139 7142		
AFFECTED PARTIES	MAILING ADDRESS			
Chevron USA Inc.	6301 Deauville, Midland, TX, 79706-2964	7018 1130 0001 5497 1107		
Cimarex Energy Company of Colorado	600 N. Marienfield St., Suite 600, Midland, TX, 79701-4405	7018 1130 0001 5497 1114		
COG Operating, LLC	600 W. Illinois Ave, Midland, TX 79701-4882	7018 1130 0001 5497 1121		
Concho Oil & Gas, LLC	600 W. Illinois Ave, Midland, TX 79701-4882	7018 1130 0001 5497 1121		
EOG A Resources, Inc.	105 S. 4th St., Artesia, NM 88210-2177	7018 1130 0001 5497 1138		
EOG M Resources, Inc.	105 S. 4th St., Artesia, NM 88210-2177	7018 1130 0001 5497 1138		
EOG Y Resources, Inc.	105 S. 4th St., Artesia, NM 88210-2177	7018 1130 0001 5497 1138		
Featherstone Development Corporation	P.O. Box 429, Roswell, NM 88202-0429	7018 1130 0001 5497 1145		
Franklin Resources, LP	4880 S. Franklin St., Englewood, CO 80113	7018 1130 0001 5497 1152		
Gerald and Connie Fugate	205 W. Peach Lane, Carlsbad, NM 88220	7018 1130 0001 5497 1169		
Magnum Hunter Production, Inc.	600 East Las Colinas Blvd., Suite 1100, Irving, TX 75039	7018 1130 0001 5497 1176		
OXY Y-1 Company	P.O. Box 27570, Houston, TX 77227-7570	7018 1130 0001 5497 1183		
Parrot Head Properties, LLC	P.O. Box 429, Roswell, NM 88202	7018 1130 0001 5497 1190		
Phoenix Four, LLC	4455 Camp Bowie Blvd., Suite 114-PMB 98, Fort Worth, TX 76107	7018 1130 0001 5497 1206		
Prospector, LLC	P.O. Box 429, Roswell, NM 88202	7018 1130 0001 5497 1213		
Scratch Properties LLC	P.O. Box 1287, Artesia, NM 88211	7018 1130 0001 5497 1220		
Southwestern Energy Production Company	2350 N Sam Houston, Houston, TX 77032	7018 1130 0001 5497 1237		
Tularosa Minerai Company	P.O. Box 471349, Fort Worth, TX 76147	7018 1130 0001 5497 1244		
Vanguard Operating, LLC	5847 San Felipe St., Suite 3000, Houston, TX 77057-3399	7018 1130 0001 5497 1251		
White City Resort NM, LLC	1501 Mountain Shadow, Carlsbad, NM 88220	7018 1130 0001 5497 1268		

(the

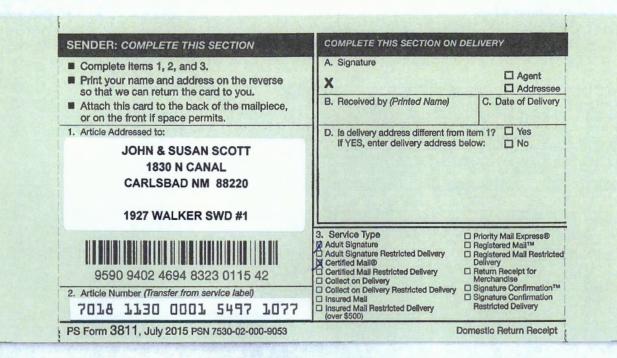
Tyler F. Moehlman Petroleum Engineer / Lonquist & Co., LLC Agent For Solaris Water Midstream, LLC







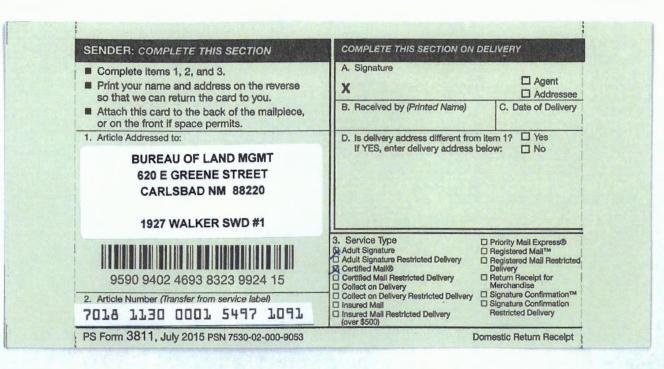




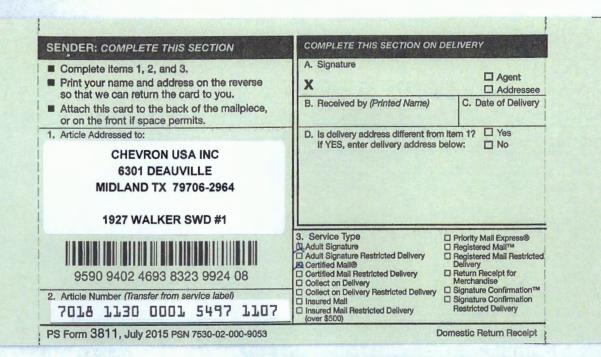


COMPLETE THIS SECTION ON DELIVERY	
A. Signature X B. Received by (Printed Name)	Agent Addressee C. Date of Delivery
D. Is delivery address different from	
If YES, enter delivery address below:  No	
3. Service Type	Priority Mail Express®
Adult Signature     Adult Signature Restricted Delivery     Cortified Mail®     Cortified Mail Restricted Delivery     Collect on Delivery	□ Registered Mail™ □ Registered Mail Restricted Delivery □ Return Receipt for Merchandise
Collect on Delivery Restricted Delivery	□ Signature Confirmation™ □ Signature Confirmation Restricted Delivery
	X         B. Received by (Printed Name)         D. Is delivery address different from if YES, enter delivery address to if YES, enter delivery address to addre



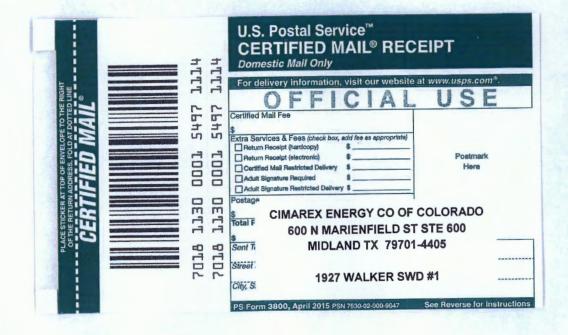


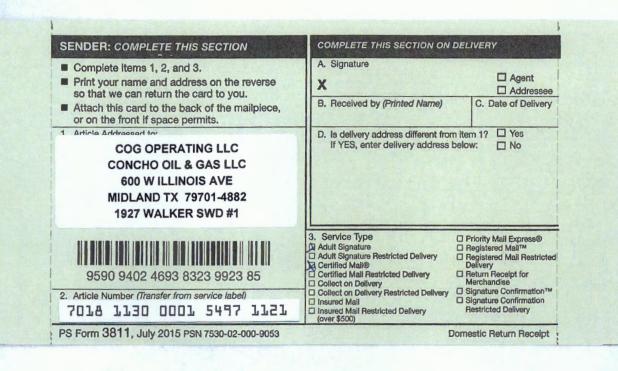






SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the maliplece, or on the front if space permits.</li> </ul>	A. Signature X B. Received by (Printed Name)	C. Date of Delivery	
1. Article Addressed to: CIMAREX ENERGY CO OF COLORADO 600 N MARIENFIELD ST STE 600 MIDLAND TX 79701-4405	D. Is delivery address different from Item 1?  Yes If YES, enter delivery address below: No		
1927 WALKER SWD #1         9590 9402 4693 8323 9923 92         2. Article Number (Transfer from service label)         7018 1130 0001 5497 1114	Service Type     Adult Signature Restricted Delivery     Certified Mail®     Certified Mail®     Certified Mail®     Certified Mail®     Collect on Delivery     Collect on Delivery Restricted Delivery     Insured Mail     Insured Mail	<ul> <li>□ Priority Mail Express®</li> <li>□ Registered Mail™</li> <li>□ Registered Mail Restricted Delivery</li> <li>□ Return Receipt for Merchandise</li> <li>□ Signature Confirmation™</li> <li>□ Signature Confirmation</li> </ul>	







SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY		
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature X B. Received by (Printed Name)	C. Date of Delivery	
1. Article Addressed to: EOG A RESOURCES INC EOG M RESOURCES INC EOG Y RESOURCES INC 105 S 4 <sup>TH</sup> ST	D. Is delivery address different from Item 1?  Yes If YES, enter delivery address below:  No		
ARTESIA NM 88210-2177 1927 WALKER SWD #1			



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailplece, or on the forth and to the part it.</li> </ul>	A. Signature X B. Received by (Printed Name)	Agent Addressee C. Date of Delivery
or on the front if space permits. 1. Article Addressed to:	D. Is delivery address different from	item 1? Yes
FEATHERSTONE DEVELOPMENT CORP PO BOX 429 ROSWELL NM 88202-0429	If YES, enter delivery address b	alow: 🔲 No
1927 WALKER SWD #1		



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> </ul>	A. Signature	
Attach this card to the back of the mailpiece, or on the front if space permits.	B. Received by (Printed Name) C. Date of Delivery	
1. Article Addressed to: FRANKLIN RESOURCES LP 4880 S FRANKLIN ST ENGLEWOOD CO 80113 1927 WALKER SWD #1	D. Is delivery address different from item 1?  Yes If YES, enter delivery address below: No	
9590 9402 4693 8323 9923 54 2. Article Number (Transfer from service label) 7018 1130 0001 5497 1152	3. Service Type       □ Priority Mail Express®         ∴ Adult Signature       □ Registered Mail™         □ Adult Signature Restricted Delivery       □ Registered Mail™         □ Certified Mail®       □ Registered Mail™         □ Certified Mail®       □ Registered Mail         □ Certified Mail®       □ Registered Mail         □ Collect on Delivery       □ Return Receipt for         □ Collect on Delivery Restricted Delivery       □ Signature Confirmation™         □ Insured Mail       □ Signature Confirmation         □ Insured Mail       □ Signature Confirmation	

7018 1130 0001 5497 1152 7018 1130 0001 5497 1152	U.S. Postal Service <sup>™</sup> CERTIFIED MAIL® RECEIPT Domestic Mail Only For delivery information, visit our website at www.usps.com®. OFFICIALUSE Certified Mail Fee Certified Mail Fee Certified Mail Feestroted Delivery * Aduit Signature Receipt (hardcopy) Postmark Here Postmark Here FRANKLIN RESOURCES LP Sent To ENGLEWOOD CO 80113 Street a 1927 WALKER SWD #1 City; St. Sector 1900. April 2015 DSN 7590-02-000-9047 Sec Enverse for Instructions
	PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DEL	LIVERY
<ul> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature X B. Received by (Printed Name)	Agent Addressee C. Date of Delivery
Article Addressed to: GERALD AND CONNIE FUGATE 205 W PEACH LANE CARLSBAD NM 88220 1927 WALKER SWD #1	D. Is delivery address different from ite If YES, enter delivery address belo If YES.	
9590 9402 4693 8323 9923 47 2. Article Number (Transfer from service label)	Adult Signature     Adult Signature Restricted Delivery     Adult Signature Restricted Delivery     Certified Mail     Certified Mail     Collect on Delivery     Collect on Delivery	Priority Mail Express® Registered Mail™ Registered Mail™ Delivery Return Receipt for Merchandise Signature Confirmation™ Signature Confirmation

