State of New Mexico Energy, Minerals and Natural Resources Department

Submit electronically Via E-permitting

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

Seismicity Response Protocol Information Form

This form must be completed as part of OCD's Seismicity Response Protocol and updated after any qualifying event thereafter.

Applicability: This form must be completed for each well classified as an Underground Injection Control (UIC) Class II disposal wells or Class II enhanced recovery injection well with active injection authority (wells). "Active injection authority" means a well that is authorized to inject pursuant to an administrative permit or hearing order. This includes wells that have an approved Application for Permit to Drill and have and approved injection permit but have not yet been drilled or commenced injection.

			W	ell Infor	<u>mation</u>		
I. Operator: _S	olaris Wat	er Midstrea	am, LL	OGRID: 37	1643	OCD not	ification date 1-7-2022
Well Name_Z	Zeus SWD #	#1	A	PI# 30-02	5-44273		
II. Type of Notif	fication: 🕇	≾ Original	X Amendment □	Other			
If Other, please d	lescribe:						
III. Seismic eve	nt informa	ition: Mag	gnitude 3.2	Location 3	2.413_lat,	-103.592 _{lo}	ng., Date of occurrence 11-12-20
Source of in	nformation	(i.e. USG	S, NMTSO, TexN	et, other)	USGS		Depth of occurrence 5.0 km
V. Well(s): Prov	vide the fol	lowing inf	ormation for each v	vell permitte	l within a 1	0-mile prox	imity of the epicenter.
Injection Order	Distance epice		Perforated and/o interval (Vertice			Fo	ormation/s completed
SWD-1708	SWD-1708 2.9 miles		16,320' - 17,400'		Devonian, Silurian and Fusselman		
nole), formation t	tops, measu ation Prio	red depth, r to Injec	vertical depths and	Sub-Sea Truction: Provi	ie vertical o	depths. wing inform	ection intervals (perforations and/or oper nation for each well identified in Section period.
Avg daily inject (prior to redu		Avg inj	ection daily pressu reduction)	re (prior to	Well	Type (Com	mercial, lease only, single operator)
15,857		2,392		Commercial			
VII. Well Inform	nation Afte	er Injectio	n Volume Reducti	on: Provide	he followi	informati	on for each well identified in Section IV
Avg daily injection rate limit A (post reduction)		imit A	vg injection daily pressure limit (post reduction)	Reduction %	Reducti da	on start	Reduction achieved date
7,9	928		2,392	50%	12/3/	/21	1/12/22

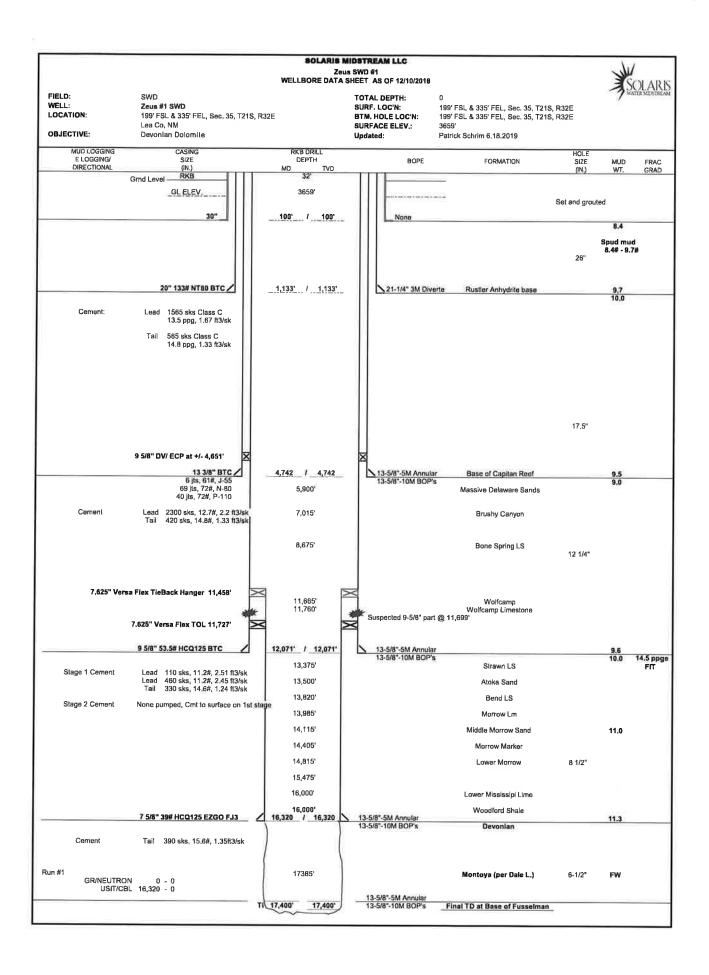
Acknowledgments

Operator acknowledges that it must take the following actions as part of its seismic response protocol:

- ☑ Operator shall report the daily injection volumes and pressures for each well on a weekly basis on the form prescribed by the OCD. The report is due on the Wednesday the week following the weekly monitoring interval.
- Deperator shall start or continue to digitally measure injection volumes and pressures for each well at a minimum of an hourly basis, and shall archive the data and make it available to OCD upon receipt of a written request.
- Departor shall monitor seismicity events with magnitudes equal to or greater than M2.5 within a radius of 10 miles around each well using USGS / NMTSO data, and shall archive the data and make it available to OCD upon receipt of a written request.
- Departor shall notify OCD and provide updated pertinent well information within 24 hours of an event greater than M 2.5 within a radius of 10 miles around each well using this OCD form.
- After each event greater than M 2.5 within a radius of 10 miles around each well, Operator shall inspect well head and well equipment of each well to ensure proper working order. As part of this inspection, Operator should evaluate whether a Bradenhead test or MIT is warranted to ensure wellbore integrity.

I certify that, after reasonable inquiry and based on the available information at the time of submittal, this Seismic Information Form is true and correct to the best of my knowledge, and I acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Teena Robbins		
Printed Name: Teena Robbins		
Title: Office Manager		
E-mail Address: teena,robbins@ariswater.com		
Date: 1/31/2022		
Phone: 432.203.9024		



General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

DEFINITIONS

Action 177613

DEFINITIONS

Operator:		OGRID:
ı	SOLARIS WATER MIDSTREAM, LLC	371643
ı	9651 Katy Fwy	Action Number:
ı	Houston, TX 77024	177613
ı		Action Type:
ı		[UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

• this application's operator, hereinafter "this operator".

This form must be completed as part of OCD's Seismicity Response Protocol and updated after any qualifying event thereafter.

Applicability: This form must be completed for each well classified as an Underground Injection Control (UIC) Class II disposal well or Class II enhanced recovery injection well with active injection authority (wells). "Active injection authority" means a well that is authorized to inject pursuant to an administrative permit or hearing order. This includes wells that have an approved Application for Permit to Drill and have and approved injection permit but have not yet been drilled or commenced injection.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 177613

QUESTIONS

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC	371643
9651 Katy Fwy	Action Number:
Houston, TX 77024	177613
	Action Type:
	[UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

QUESTIONS

Prerequisites	
Well	[30-025-44273] ZEUS SWD #001

Seismic Event Information			
The source and reference ID is required, if you would like to submit information of a new seismic event.			
Source of information (i.e., USGS, NMTSO, TexNet, other)	USGS		
Reference ID from source of information	US7000FTRH		
Magnitude	3.2		
Latitude	32.41300		
Longitude	-103.59200		
Date of occurrence	11/12/2021		
Depth of occurrence (kilometers)	5.00		

Injection Order		
Please indicate the latest (current) injection order permitting injection for this well.		
Admin Order (SWD-#)	SWD-1708-0 [pMAM1731050949]	
Hearing Order (R-#)	Not answered.	

Well Information			
The following information is required for each well permitted within a 10-mile proximity of the epicenter.			
Distance from epicenter (miles)	3		
Top perforated and/or open-hole interval (vertical depth in feet)	16,320		
Bottom perforated and/or open-hole interval (vertical depth in feet)	17,400		
Formation(s) completed	Devonian, Silurian, Fusselman		

Well Information Prior to Injection Volume Reduction				
Daily rates and pressures are based on the active injection days during the prior 6-month period.				
Average daily injection rate (BBLS per day), prior to reduction	15,857			
Average injection daily pressure (PSI), prior to reduction	2,392			
Well Type (i.e., Commercial, Lease Only, Single Operator)	Commercial			

Well Information After Injection Volume Reduction			
The following information is required for each well permitted within a 10-mile proximity of the epicenter.			
Required injection rate reduction percentage (0%, 25%, 50%, Shut-in)	50%		
Average daily injection rate (BBLS per day) limit, post reduction	7,928		
Average injection daily pressure (PSI) limit, post reduction	2,392		
Reduction start date	12/03/2021		
Reduction achieved date	01/12/2022		

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 177613

ACKNOWLEDGMENTS

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC	371643
9651 Katy Fwy	Action Number:
Houston, TX 77024	177613
	Action Type:
	[UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

ACKNOWLEDGMENTS

V	This operator acknowledges that it must take the appropriate following action(s) as part of its seismic response protocol:
V	This operator shall report the daily injection volumes and pressures for each well on a weekly basis on the form prescribed by the OCD. The report is due on the Wednesday the week following the weekly monitoring interval.
V	This operator shall start or continue to digitally measure injection volumes and pressures for each well at a minimum of an hourly basis, and shall archive the data and make it available to OCD upon receipt of a written request.
V	This operator shall monitor seismicity events with magnitudes equal to or greater than M2.5 within a radius of 10 miles around each well using USGS / NMTSO data, and shall archive the data and make it available to OCD upon receipt of a written request.
V	This operator shall notify OCD and provide updated pertinent well information within 24 hours of an event greater than M 2.5 within a radius of 10 miles around each well using this OCD form.
~	After each event greater than M 2.5 within a radius of 10 miles around each well, this operator shall inspect well head and well equipment of each well to ensure proper working order. As part of this inspection, Operator should evaluate whether a Bradenhead test or MIT is warranted to ensure wellbore integrity.
~	I certify that, after reasonable inquiry and based on the available information at the time of submittal, this Seismic Information Form is true and correct to the best of my knowledge, and I acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Action 177613

CONDITIONS

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC	371643
9651 Katy Fwy	Action Number:
Houston, TX 77024	177613
	Action Type:
	[UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

CONDITIONS

Created B	y Condition	Condition Date
pgoetze	None	12/20/2024