

State of New Mexico
Energy, Minerals and Natural Resources Department

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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 an approved injection permit but have not yet been drilled or commenced injection.

Well Information

I. Operator: EOG Resources, Inc **OGRID:** 7377 **OCD notification date** 4/14/22

Well Name Archimedes SWD 1 **API#** 30-015-10414

II. Type of Notification: ☒ Original ☐ Amendment ☐ Other

If Other, please describe: _____

III. Seismic event information: Magnitude 2.8 Location 32.515 lat, -104.443 long., Date of occurrence 4/2/22
Source of information (i.e. USGS, NMTSO, TexNet, other) USGS Depth of occurrence 1.926 miles

IV. Well(s): Provide the following information for each well permitted within a 10-mile proximity of the epicenter.

Injection Order	Distance from epicenter	Perforated and/or open-hole interval (Vertical Depth)	Formation/s completed
SWD-814-A	6.1 miles	10,475'-10,647'	[96101] SWD; Devonian

V. ☒ An updated well bore diagram is required to be attached, which identifies the current injection intervals (perforations and/or open hole), formation tops, measured depth, vertical depths and Sub-Sea True vertical depths.

VI. Well Information Prior to Injection Volume Reduction: Provide the following information for each well identified in Section IV. Daily rates and pressures are based on the active injection days during the prior 6-month period.

Avg daily injection rate (prior to reduction)	Avg injection daily pressure (prior to reduction)	Well Type (Commercial, lease only, single operator)
0	0	Single Operator

VII. Well Information After Injection Volume Reduction: Provide the following information for each well identified in Section IV.

Avg daily injection rate limit (post reduction)	Avg injection daily pressure limit (post reduction)	Reduction %	Reduction start date	Reduction achieved date
0	0	N/A	N/A	N/A

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.
- ☒ 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.
- ☒ 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.
- ☒ 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, 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:

Tina Huerta

Printed Name:

Tina Huerta

Title:

Regulatory Specialist

E-mail Address:

tina_huerta@eogresources.com

Date:

4/13/22

Phone:

575-703-3121

Sec-TWN-RNG:	18-21S-24E
Surface	1650' FSL & 1980' FEL

API: 30-015-10414
KB: 3838'

COMMENTS

[illegible]

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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DEFINITIONS

Action 98530

DEFINITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 98530
	Action Type: [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: <ul style="list-style-type: none">this application's operator, hereinafter "this operator".
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QUESTIONS

Action 98530

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	Action Number: 98530
	Action Type: [UF-SA] Seismicity Response Protocol Information (UF-SA-SRPI)

QUESTIONS

Prerequisites	
Well	[30-015-10414] ARCHIMEDES 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	Archimedes SWD 1 30-015-10414
Magnitude	2.8
Latitude	32.51500
Longitude	-104.44300
Date of occurrence	04/02/2022
Depth of occurrence (kilometers)	1.92

Injection Order

Please indicate the latest (current) injection order permitting injection for this well.

Admin Order (SWD-#)	SWD-814-A [pKRV0304425810]
Hearing Order (R-#)	N/A

Well Information

The following information is required for each well permitted within a 10-mile proximity of the epicenter.

Distance from epicenter (miles)	6
Top perforated and/or open-hole interval (vertical depth in feet)	10,475
Bottom perforated and/or open-hole interval (vertical depth in feet)	10,647
Formation(s) completed	SWD; Devonian

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	0
Average injection daily pressure (PSI), prior to reduction	0
Well Type (i.e., Commercial, Lease Only, Single Operator)	Single Operator

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)	0%
Average daily injection rate (BBLS per day) limit, post reduction	0
Average injection daily pressure (PSI) limit, post reduction	0
Reduction start date	04/02/2022
Reduction achieved date	04/02/2022

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	This operator acknowledges that it must take the appropriate following action(s) as part of its seismic response protocol:
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CONDITIONS

Created By	Condition	Condition Date
aschaefer	Accepted for record	1/6/2023