



CURRENT WELL CONFIGURATION
(Based on Well File Review 1/11/2022)

Gulf State Well No.2 - SWD

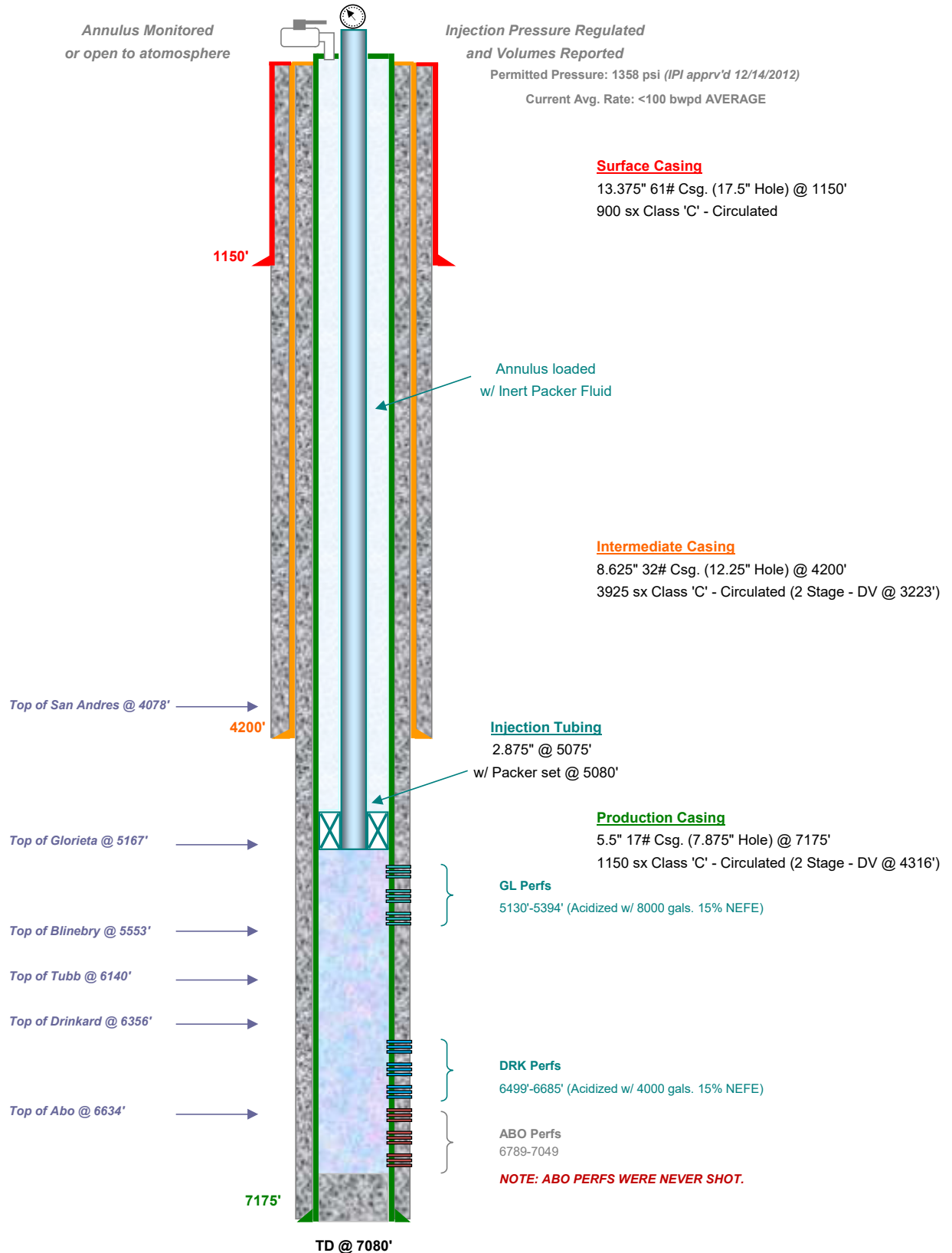
API 30-025-28425

660' FSL & 1980' FWL, SEC. 2-T23S-R37E
LEA COUNTY, NEW MEXICO

Spud Date: 10/13/1983

P&A Date: 9/11/1984

Re-entry Dt: 8/23/2012



Drawn by: Ben Stone, Rvs'd 1/11/2022

Cameron Oil & Gas, Inc.

Gulf State #2 SWD; 30-025-28425; N-2-23S-37E, Lea County; SWD-1342-A

Seismic Review – February 9, 2022

This is the first weekly follow up to OCD request for a Seismic Response Protocol Information Form.

Cameron (and SOS Consulting) is unclear about what form to file weekly reports of daily injection volumes and average daily surface pressure as specified on the Seismicity Response Protocol chart for its Category 1.

Specifically, the text on the chart indicates 'Reporting in addition to C-115 reporting, on form provided by OCD.

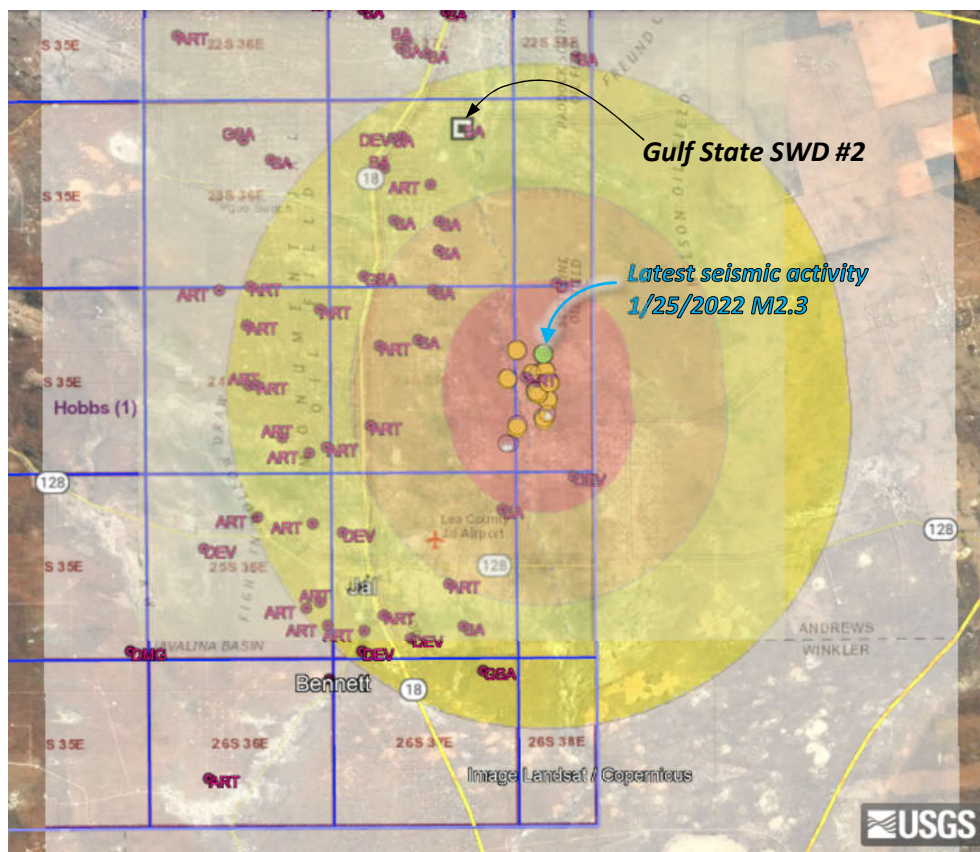
We are currently unaware of this form unless the meaning is the main Seismic Response Protocol Information Form but this form doesn't seem to have applicability targeted to a weekly report.

Cameron is happy to submit this form but it's not intuitive as to what OCD is looking for – if the operator is required each week to report information, 'Prior to Injection Volume Reduction' and 'After Injection Volume Reduction'. We are and have been seeking guidance from OCD through this report and previous emails as to what exactly should be reported and in what format and with specific regard to this low-rated SWD.

Nothing has changed for this well with regards to the information provided on the initial submission on 1/13/2022 or subsequent reports.

For the week since passed, Cameron's Gulf State #2 SWD: Volume/Rate: 550 bbls (total) 0.92 bpm for 10 hours; Pressure: 926 psi for one hour, then to zero.

The Gulf State SWD #2 takes very low rates and injection occurs at a very low (or no) pressure. (**Note:** When the pump kicks on, pressure will get to ~900 psi and steadily drop over an hour or so to zero or vacuum.) The well averages just under 100 bwpd.



The USGS Earthquake Shake Map was queried 2/09/2022; there is ONE new report of seismic activity to include for this week's report.

We don't believe under the current operational scheme; the subject well poses any additional risks for induced seismicity.



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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

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

DEFINITIONS

Action 80174

DEFINITIONS

Operator: CAMERON OIL & GAS INC 5445 Legacy Drive Suite 440 Plano, TX 75024	OGRID: 181109
	Action Number: 80174
	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".
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 an approved injection permit but have not yet been drilled or commenced injection.

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QUESTIONS

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QUESTIONS

Prerequisites	
Well	[30-025-28425] GULF STATE #002

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	USGS ShakeMap queried 2/09/22
Magnitude	Not answered.
Latitude	32.222103092
Longitude	-103.09200
Date of occurrence	01/25/2022
Depth of occurrence (kilometers)	Not answered.

Injection Order

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

Admin Order (SWD-#)	SWD-1342-A [pKVR1226154613]
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)	8
Top perforated and/or open-hole interval (vertical depth in feet)	5,130
Bottom perforated and/or open-hole interval (vertical depth in feet)	6,685
Formation(s) completed	Glorieta, Drinkard

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	79
Average injection daily pressure (PSI), prior to reduction	132
Well Type (i.e., Commercial, Lease Only, Single Operator)	lease

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	79
Average injection daily pressure (PSI) limit, post reduction	132
Reduction start date	01/13/2022
Reduction achieved date	01/13/2022

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ACKNOWLEDGMENTS

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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:
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.

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CONDITIONS

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CONDITIONS

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