

On October 22, 2021, staff of the Railroad Commission of Texas (RRC) established the Northern Culberson-Reeves (NCR) Seismic Response Area (SRA) in response to increasing seismic activity in the Delaware Basin. The NCR SRA was established with the following goal: *The successful implementation of a response plan will result in no more 3.5M+ earthquakes after 18 months from the date of a response action implementation.* Further RRC action will be conditioned on progress towards this goal. RRC staff understand the best available data to indicate that deep injection is the significant driver of seismic activity in the NCR SRA. However, RRC staff do not believe available data are currently sufficient to rule-out shallow disposal as being related to seismic activity in the NCR SRA.

The RRC definition of the NCR SRA (Figure 1) was based on:

- TexNet and USGS catalogs of earthquakes as of 10/22/2021.
- A 25-km radial area around the $M \geq 3.0$ earthquakes (area shapefile can be downloaded here: <https://www.rrc.texas.gov/oil-and-gas/applications-and-permits/injection-storage-permits/oil-and-gas-waste-disposal/injection-disposal-permit-procedures/seismicity-review/seismicity-response/#NCRResponse>).
- The RRC may redefine areal extent of the SRA based on the frequency and magnitude of earthquake activity.

Given the current seismicity issues and the RRC request to develop a targeted, data-based plan to reduce seismicity, the industry group proposes the following operator-led response plan (OLRP) to address seismicity within the NCR SRA. The objective of the Operator Led Response Plan is to reduce the occurrence of high-magnitude seismicity such that recurrence of 3.5 magnitude events is decreasing by December 31st, 2023. Previous activity indicates a potential lag time of 12-18 months between injection volume increases and seismicity increases; the potential lag time between reductions in injection volume and reductions in seismicity is uncertain. Industry proposes a two-tiered OLRP approach based on depth of the disposal zone, expanded data collection efforts, contingency responses for future seismicity, and scheduled checkpoint updates with RRC staff. Table 4 is a timeline of OLRP checkpoints and quarterly meetings.

Definitions:

1. Shallow SWD well: A disposal well permitted and completed above the base of the Wolfcamp Formation.
2. Deep SWD well: A disposal well permitted and completed below the base of the Wolfcamp Formation.
3. Shallow SWD base volume: The average of actual daily injection rates for an individual SWD well over a period of 180 consecutive days (barrels per day, bbl/day) prior to a 4.5M+ earthquake.
4. Deep SWD base volume: The maximum actual monthly injection volume for all of an operator's deep wells in the SRA (barrels per month).
5. 3.5 M+ and 4.5M+ mean a TexNet earthquake catalog event of magnitude equal to or greater than 3.5 or 4.5, respectively.
6. Actionable Earthquake Catalog: The list of TexNet earthquake events in the NCR SRA that are the basis for the shallow OLRP injection schedules. Table 1 is the initial actionable earthquake catalog and includes all M3.5+ earthquakes in the NCR SRA as of October 22, 2021. This table may be updated as necessary and appropriate.
7. OLRP Effective Date: March 1, 2022

SHALLOW OLRP

The shallow OLRP focuses on proximal, shallow SWD wells and understanding any impact they may have on seismicity.

Response Actions:

Participating operators of existing shallow SWD permits in the NCR SRA agree to the following daily injection rate schedules:

1. Schedule 1: Operators will limit existing SWD permits that are located within 4.5 km of a 3.5M+ earthquake as of 10/22/2021 to 10,000 bbl/day before September 1, 2022.
 - a. An operator may obtain an additional 5,000 bbl/day by providing a seismic monitoring station to TexNet.
2. Schedule 2: Operators will limit existing SWD permits more than 4.5 km and less than 9.08 km of a 3.5M+ earthquake as of 10/22/2021 to 20,000 bbl/day before September 1, 2022.
 - a. An operator may obtain an additional 10,000 bbl/day by providing a seismic monitoring station to TexNet.
3. Schedule 3: SWD permits in the SRA and more than 9.08 km from a M3.5+ earthquake are not limited by this schedule; existing permit conditions apply.
4. These schedules do not authorize exceeding existing SWD permit conditions. Operator must express their intent to pursue seismic monitoring incentive upon initiation of the OLRP. Seismic monitor must be deployed and connected to TexNet before September 1, 2022.
5. The operator of shallow SWD permits that are less than 9.08 km of a 3.5M+ earthquake and have not been drilled or completed will give RRC staff 30 days' notice before drilling or completion operations begin.

Shallow SWD Wells:

Table 2 is a list of all shallow SWD wells and operators in the NCR SRA and identifies the following:

1. Whether the operator is participating in the OLRP.
2. The distance between each well and the nearest TexNet 3.5M+ earthquake for application of the daily injection rate schedule.
3. Whether the existing permit has a monitoring incentive provision.
4. Whether the operator intends to seek the monitoring provision of the OLRP.

Additional Shallow OLRP Elements:

1. If a future 4.5M+ event occurs within the SRA after 12/31/2022, operators of shallow SWD wells within 4.5 km of the 4.5M+ earthquake will reduce the individual well injection rate to 50% of the shallow SWD base volume as of the time of the 4.5M+ earthquake. This reduction will remain in effect for 18 months; RRC staff may reduce that time if appropriate.
2. The SRA boundary was established by RRC staff on October 22, 2021, and RRC staff are responsible for changes, if any, to the SRA boundary. However, the performance of the shallow

and deep components of the OLRP over time may indicate that future changes to the shallow OLRP schedules may be appropriate. These changes may include the following:

- a. Revising the actionable earthquake catalogs (i.e., removing older earthquakes)
- b. Altering the radial distance or injection volume limitations described in Schedules 1, 2, or 3.
- c. Changing these conditions may result in an individual well no longer being subject to the OLRP restrictions, in which case its existing permit conditions would apply.

DEEP OLRP

The deep OLRP focuses on the longer-term reduction of deep SWD volumes from wells within the SRA.

Response Actions:

1. Each company operating deep SWD well(s) in the NCR SRA will limit the daily injection rate as follows:
 - a. Participating deep SWD well operators agree to a 50% reduction in deep SWD base volume before 6/30/2023.
 - b. Participating Deep SWD operators agree to achieve an SRA Community Volume Target of at least 298,000 bbl/day by 6/30/2023, which is a decrease from 504,000 BFPD in 8/2020
 - c. Participating Operators of a single deep SWD shall achieve a 15,000 BWPD ceiling (Average daily volume) before 6/30/2023
 - d. Participating Deep SWD operators are responsible for achieving their own base volume reduction as follows:
 - i. BPX Midstream LLC: monthly average of 15,000 bbl/day for one deep SWD well
 - ii. Chevron U.S.A. Inc.: monthly average of 150,000 bbl/day for 10 deep SWD wells
 - iii. Coterra (Cimarex Energy Co.): monthly average of 133,000 bbl/day for 9 deep SWD wells
 - e. A participating operator's volume reduction occurs system-wide so that allocation between wells is flexible within an operator's system
 - f. Reduction targets are evaluated at a monthly resolution, allowing for fluxing of disposal volumes on a daily or weekly basis.
2. By 6/30/2022 Operators who hold inactive deep SWD permits in the SRA shall either:
 - a. Cancel the SWD permit(s), or
 - b. Apply for an amended permit as a shallow SWD.

Deep SWD Wells:

Table 3 is a list of all permitted deep SWD wells and operators in the NCR SRA.

Additional Deep OLRP Elements:

1. Should a future 4.5M+ event occur within the 9 km. boundary identified on October 22, 2021, deep wells within the 9 km. boundary will shut in for 24-months from the date of the event.
2. By the first quarterly meeting between RRC and Deep SWD operators following deep OLRP implementation, the deep SWD operators shall prepare an implementation schedule with quarterly milestones by which progress towards full implementation by 6/30/2023 shall be evaluated.

ELEMENTS COMMON TO SHALLOW AND DEEP OLRPS

1. Operators of SWD wells within the NCR SRA will continue to report daily pressure and volume data on a monthly basis to the RRC via the TexNet reporting tool (<https://injection.texnet.beg.utexas.edu/>)
2. The OLRP industry group will encourage operators of unconventional development wells within the 4.5 km. boundaries of the SRA (as defined on 10/22/2021) to participate in voluntarily providing information to the FracX website (<https://www.pdswdx.com/>).
3. RRC staff and shallow and deep SWD operators shall meet on a quarterly basis, and more frequently, if necessary, to assess the seismic and industry activity in the SRA, including checkpoint updates on plan performance, impacts and data analysis.
4. All earthquake magnitudes and locations are based on the TexNet Earthquake Catalog (<https://www.beg.utexas.edu/texnet-cisr/texnet/earthquake-catalog>)

RRC ELEMENTS

1. RRC staff supports the implementation of the industry OLRP for the NCR SRA as a plan to achieve the RRC's stated goal.
2. RRC staff will not administratively approve new deep disposal permit applications in the NCR SRA.
3. For shallow SWD wells:
 - a. Before January 1, 2023, RRC staff will not administratively approve new shallow SWD permits that are less than 4.5 km. of an actionable earthquake catalog event.
 - b. After January 1, 2023, RRC staff will consider new shallow SWD permit applications that are less than 4.5 km. of an actionable earthquake catalog event in a manner that is consistent with current RRC permitting guidelines.
 - c. RRC staff will administratively consider new shallow SWD permit applications that are more than 4.5 km. of an actionable earthquake catalog event in a manner that is consistent with current RRC permitting guidelines.
4. RRC Reserves the right to take regulatory action pursuant to 16 Texas Administrative Code §3.9(6)(A)(vi) and §3.46(d)(1)(F).

ATTACHMENTS:

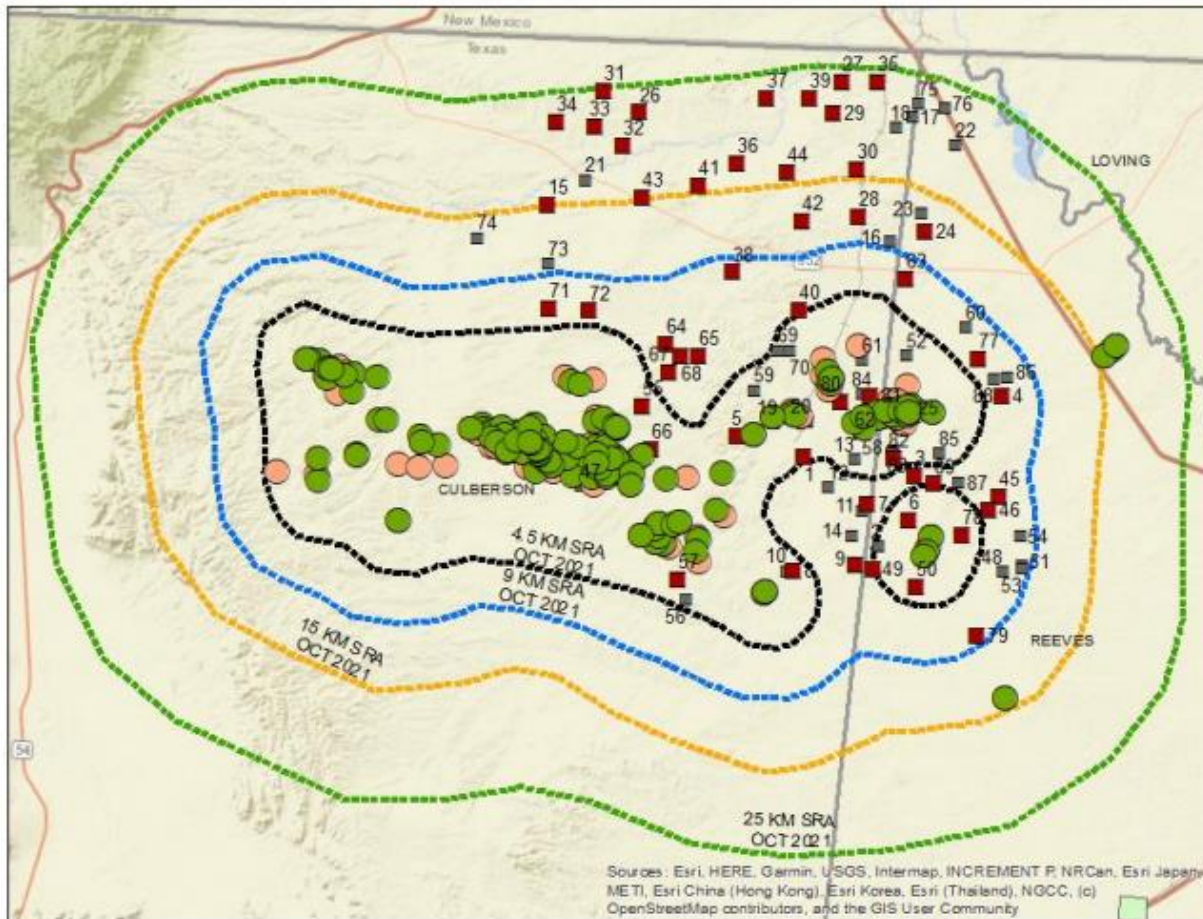
- Figure 1: RRC Northern Culberson-Reeves Seismic Response Area (SRA) Map
- Table 1: OLRP Actionable Earthquake Catalog
- Table 2: Permitted Shallow SWDs Participating in OLRP & Injection Rate Schedule
- Table 3: Permitted Deep SWDs Participating in OLRP & Injection Rate Schedule
- Table 4: OLRP Timeline

Figure 1

Legend

- BEG_TexNet_M3_0
- USGS_M3_0
- Northern_Culberson_Reeves_Wells_Active
- Northern_Culberson_Reeves_Wells_Inactive
- Seismic_Response_Area_(SRA)_4_5km
- Seismic_Response_Area_(SRA)_9km
- Seismic_Response_Area_(SRA)_15km
- Seismic_Response_Area_(SRA)_25km
- County Boundaries
- City Limits

Northern Culberson-Reeves
Seismic Response Area (SRA)
USGS & BEG TexNet
Earthquakes M>=3.0
Date Range: January 1, 2017, to
October 20, 2021



Updated: 10/20/21 13:02

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Table 1 – OLRP Actionable Earthquake Catalog

EventID	Origin Date	Origin Time	Magnitude	Latitude (WGS84)	Longitude (WGS84)
texnet2021uklz	10/18/2021	8:07:22	3.5	31.5578	-104.1535
texnet2021twgf	10/10/2021	13:17:14	3.8	31.6053	-104.5013
texnet2021tiop	10/3/2021	1:39:18	4	31.7056	-104.0239
texnet2021tibk	10/2/2021	18:55:43	3.6	31.7094	-104.0007
texnet2021tbrx	9/29/2021	7:22:08	4.2	31.6726	-104.3795
texnet2021sqtz	9/23/2021	7:52:06	4.3	31.5931	-104.0034
texnet2021sitf	9/18/2021	22:27:01	4.1	31.5968	-104.0008
texnet2021rxcl	9/12/2021	13:30:08	3.8	31.6127	-104.2348
texnet2021rqlj	9/8/2021	22:02:05	4.3	31.6717	-104.3774
texnet2021rgbn	9/3/2021	5:41:15	4.3	31.6653	-104.4002
texnet2021rbeo	8/31/2021	13:33:23	3.5	31.6712	-104.4105
texnet2021pkkq	8/8/2021	4:17:09	3.5	31.6509	-104.2822
texnet2021orfg	7/28/2021	15:28:04	4.3	31.6087	-104.2582
texnet2021milw	6/25/2021	9:30:15	4.4	31.6639	-104.3709
texnet2021mhkx	6/24/2021	19:53:37	3.6	31.6775	-104.3669
texnet2021mevv	6/23/2021	9:59:13	3.6	31.6733	-104.4075
texnet2021jxtg	5/22/2021	1:40:27	3.5	31.6875	-104.2976
texnet2021ifye	4/28/2021	2:10:42	3.5	31.7254	-104.5739
texnet2021iflj	4/27/2021	19:42:11	4	31.6625	-104.3703
texnet2021gjyn	4/1/2021	19:49:55	3.9	31.6785	-104.3871
texnet2021fqka	3/22/2021	2:54:02	3.9	31.6779	-104.4038
texnet2021fkpc	3/18/2021	22:39:47	3.5	31.6734	-104.3995
texnet2021fhjh	3/17/2021	4:19:28	4.5	31.6543	-104.3573
texnet2021ctzd	2/9/2021	9:21:13	4	31.6649	-104.2729

texnet2021csm	2/8/2021	13:53:11	3.9	31.6669	-104.376
texnet2021csgf	2/8/2021	10:39:29	3.9	31.7213	-104.3345
texnet2021cfve	2/1/2021	15:27:29	3.7	31.6752	-104.3989
texnet2021cbt	1/30/2021	9:10:29	3.5	31.6758	-104.3839
texnet2020vxf	10/29/2020	1:40:06	4	31.6682	-104.3125
texnet2020vfaj	10/28/2020	14:07:37	3.9	31.7022	-104.1297
texnet2020svpi	9/24/2020	23:14:13	3.5	31.6698	-104.3768
texnet2020sknm	9/18/2020	21:48:27	3.7	31.7038	-104.1337
texnet2020jjxk	5/13/2020	11:52:03	3.6	31.6461	-104.3059
texnet2020gexe	3/29/2020	1:27:06	3.6	31.7027	-104.0664
texnet2020gcua	3/27/2020	21:36:20	3.5	31.6978	-104.0747
texnet2020galz	3/26/2020	15:16:27	4.9	31.7025	-104.0521
texnet2020fzzi	3/26/2020	8:52:41	4.1	31.7099	-104.0414
texnet2020dksu	2/18/2020	13:28:06	4.1	31.708	-104.0511
texnet2020cdbx	1/31/2020	3:25:51	3.8	31.7035	-104.0338
texnet2020cdby	1/31/2020	3:27:37	3.7	31.7077	-104.0258
texnet2019yqik	12/17/2019	11:16:57	3.5	31.6237	-104.2013
texnet2019vusa	11/7/2019	4:04:40	3.8	31.659	-104.3049

**Table 2 – Permitted Shallow SWDs Participating in OLRP
& Injection Rate Schedule**

(next page)

Index No.	Operator	Operator No.	Lease Name	Well No.	UIC No.	API No.	Distance from TexNet 3.5M+ (km)	OLRP Maximum Daily Injection Rate (bbl)	Anticipate Future OLRP Monitoring Incentive (Yes / No)
1	1920 ENERGY, LLC	194397	RUSTLER HILLS STATE 111-14 SWD	1	113646	10932340	4.87	20,000	NO
2	1920 ENERGY, LLC	194397	PYTHIAN 10 SWD	1	113694	38933097	4.17	10,000	YES
3	1920 ENERGY, LLC	194397	LIBERATOR STATE SWD	1	114239	38935294	5.48	20,000	YES
4	APC WATER HOLDINGS 1, LLC	027348	APC 57-3-14	1D	116193	38935887	6.44	20,000	YES
10	APR OPERATING LLC	028612	SWIFT SWD	1	119295	10933499	2.75	10,000	YES
6	APR OPERATING LLC	028612	BROKEN SPOKE SWD	1	113736	38935194	3.18	10,000	YES
13	APR OPERATING LLC	028612	BIGHORN SWD	1	123436	10933500	3.28	10,000	NO
8	APR OPERATING LLC	028612	MULE DEER SWD	1	114993	10933071	3.37	10,000	YES
5	APR OPERATING LLC	028612	RUSTLER HILLS STATE 111-8 SWD	1	113606	10932341	5.22	20,000	YES
9	APR OPERATING LLC	028612	PENNER SWD	1	116495	10933253	6.23	20,000	YES
12	APR OPERATING LLC	028612	JAVELINA SWD	1	120669	10933537	6.30	20,000	YES
14	APR OPERATING LLC	028612	ARMADILLO SWD	1	124790	10933534	6.77	20,000	YES
7	APR OPERATING LLC	028612	PENNYBACKER SWD	1	114955	10933058	6.80	20,000	YES
11	APR OPERATING LLC	028612	RINGTAIL SWD	1	119482	10933517	6.83	20,000	YES
25	BTA OIL PRODUCERS, LLC	041867	HOBIE 21903 SWD	1	118684	38938320	0.52	10,000	NO
46	CR FIELD SERVICES, LLC	186351	HUGHES B	01SW	114457	38935362	6.68	20,000	NO
45	CR FIELD SERVICES, LLC	186351	NEWSOM 12 SWD	1	113775	38937871	8.08	20,000	NO
52	GOODNIGHT MIDSTREAM PERMIAN, LLC	315075	MAVERICK SWD	1	124433	38900000	4.98	20,000	NO
54	LAYNE SWD, LLC	491460	ALAMO SWD	1	124371	38900000	8.44	20,000	NO
53	LAYNE SWD, LLC	491460	BOWIE SWD	1	124325	38900000	8.64	20,000	NO
55	MOONTOWER RESOURCES SWD, LLC	578446	SAN SABA SWD STATE	1	104287	10932442	2.97	10,000	NO
57	MOONTOWER RESOURCES SWD, LLC	578446	WISE FEE SWD 26	1	116840	10933387	5.13	20,000	NO
56	MOONTOWER RESOURCES SWD, LLC	578446	PLUMMER STATE SWD 34	1	116818	10900000	7.03	20,000	NO
58	PDC PERMIAN, INC.	646832	CENTRAL 27	1D	119421	38900000	3.28	10,000	YES
59	PILOT WATER SOLUTIONS SWD LLC	665596	HORSESHOE SWD	1	116580	10933386	3.96	10,000	NO
60	PILOT WATER SOLUTIONS SWD LLC	665596	MCCAFFREY 57-T2-45	1	124717	38900000	8.04	20,000	NO
63	REV MIDSTREAM SWD TX #1, LLC	703604	NIGHTHAWK STATE SWD	1	119288	38938775	11.81	30,000	NO
66	SATURN SWD OPERATING LLC	748767	H. M. PHILLIPS STATE 94	1D	113987	10932950	1.09	10,000	YES

Index No.	Operator	Operator No.	Lease Name	Well No.	UIC No.	API No.	Distance from TexNet 3.5M+ (km)	OLRP Maximum Daily Injection Rate (bbl)	Anticipate Future OLRP Monitoring Incentive (Yes / No)
69	SATURN SWD OPERATING LLC	748767	I TAKE IT ALL C SWD	1	124791	10933662	5.75	20,000	NO
67	SATURN SWD OPERATING LLC	748767	DOUBLE C SWD	3	116449	10933281	6.72	20,000	NO
68	SATURN SWD OPERATING LLC	748767	DOUBLE C SWD	4	116450	10933282	8.51	20,000	NO
64	SATURN SWD OPERATING LLC	748767	DOUBLE C SWD	1	112977	10932848	8.53	20,000	NO
65	SATURN SWD OPERATING LLC	748767	DOUBLE C SWD	2	112978	10932849	9.70	20,000	YES
72	SCALA ENERGY OPERATING, LLC	750082	MISS STEIN 37	1V	116387	10933348	6.61	20,000	NO
71	SCALA ENERGY OPERATING, LLC	750082	LILI VON SHTUPP 39	2V	116374	10933480	7.25	20,000	NO
81	WATERBRIDGE STATELINE LLC	900327	SALT MINE SWD	1	115842	10933170	1.60	10,000	YES
84	WATERBRIDGE STATELINE LLC	900327	SALT MINE SWD	4	120679	10933567	2.06	10,000	NO
80	WATERBRIDGE STATELINE LLC	900327	HSS STATE 45-18X7	1H	114509	10932828	2.21	10,000	NO
83	WATERBRIDGE STATELINE LLC	900327	SALT MINE TWO	2	119273	38937419	2.98	10,000	NO
78	WATERBRIDGE STATELINE LLC	900327	BHS 56-8	1D	108659	38933824	3.42	10,000	NO
82	WATERBRIDGE STATELINE LLC	900327	SALT MINE TWO	1	118343	38937418	3.59	10,000	YES
85	WATERBRIDGE STATELINE LLC	900327	CAJUN SWD	1	124847	38900000	3.84	10,000	NO
88	WATERBRIDGE STATELINE LLC	900327	CAUSEWAY SWD	1	124850	38900000	6.10	20,000	NO
77	WATERBRIDGE STATELINE LLC	900327	FORTUNE 57-3	1	106088	38932764	6.24	20,000	NO
87	WATERBRIDGE STATELINE LLC	900327	ACADIAN SWD	1	124849	38900000	6.65	20,000	NO
86	WATERBRIDGE STATELINE LLC	900327	CREOLE SWD	1	124848	38900000	7.36	20,000	YES
79	WATERBRIDGE STATELINE LLC	900327	BURRITO SWD	1D	109756	38934097	8.59	20,000	NO
89	WATERBRIDGE TEXAS OPERATING LLC	900329	TPLT 57-43	1D	111440	38934514	6.07	20,000	NO

**Table 3 – Permitted Deep SWDs Participating in OLRP
& Injection Rate Schedule**

(next page)

Index No.	Operator	Operator No.	Lease Name	Well No.	UIC No.	API No.	Current	2021 Daily	OLRP
							Permitted Daily Average Injection Volume (bbl)	Average Injection Volume (bbl)	Maximum Daily Injection Rate (bbl)
22	BPX MIDSTREAM LLC	085409	NIAGARA 57-T1-32 SWD	903	119943	38938502	90,000	0	15,000
23	BPX MIDSTREAM LLC	085409	LENNY 58-T2-12 SWD	901	119944	38938498	90,000	0	
24	BPX MIDSTREAM LLC	085409	SQUIGGY 58-T2-12 SWD	902	119945	38938499	90,000	11,436	
26	CHEVRON U. S. A. INC.	148113	DR STATE EAST	20SW	110589	10932704	25,000	0	150,000
27	CHEVRON U. S. A. INC.	148113	HH SE 7 SWD	1	112743	10932853	50,000	13,563	
28	CHEVRON U. S. A. INC.	148113	HAY ZOELLE 9 SWD	1	114946	10933026	50,000	12,742	
29	CHEVRON U. S. A. INC.	148113	HAY BRANDON 19 SWD	1	116093	10933166	100,000	23,751	
30	CHEVRON U. S. A. INC.	148113	HAY MARTIN 41 SWD	1	116512	10933296	90,000	26,175	
31	CHEVRON U. S. A. INC.	148113	DR B SNOWBIRD 13 SWD	1	116549	10933303	90,000	27,347	
32	CHEVRON U. S. A. INC.	148113	DR A BRIGHTON 31 SWD	1	117157	10933316	90,000	28,051	
33	CHEVRON U. S. A. INC.	148113	DR B STRANGELOVE 25 SWD	1	118219	10933417	100,000	17,427	
34	CHEVRON U. S. A. INC.	148113	DR SWD 27	1	119930	10933528	50,000	21,018	
35	CHEVRON U. S. A. INC.	148113	HAY LANDON 9 SWD	1	119931	10933539	100,000	40,768	
36	CIMAREX ENERGY CO.	153438	SPEND A BUCK 41 FEE	1	103236	10932395	50,000	15,722	133,000
37	CIMAREX ENERGY CO.	153438	MIDDLEGROUND 16 FEE SWD	3	108115	10932532	50,000	0	
38	CIMAREX ENERGY CO.	153438	ELWOOD 29 FEE SWD	1	111641	10932782	50,000	11,238	
39	CIMAREX ENERGY CO.	153438	ASSAULT 14 FEE SWD	9	113054	10932895	90,000	39,286	
40	CIMAREX ENERGY CO.	153438	MINE THAT BIRD 38 FEE SWD	9	114451	10932982	90,000	19,638	
41	CIMAREX ENERGY CO.	153438	COUNT FLEET 48 SWD	4	116911	10933356	70,000	24,744	
42	CIMAREX ENERGY CO.	153438	LEONATUS 11 SWD	2	117762	10933393	70,000	11,806	
43	CIMAREX ENERGY CO.	153438	SIR BARTON 4 SWD	9	118554	10933473	70,000	28,891	
44	CIMAREX ENERGY CO.	153438	NEEDLES 39 SWD	2	119949	10933597	75,000	9,839	
73	SCALA ENERGY OPERATING, LLC	750082	KABALI 27 SWD	1V	119062	10900000	70,000	0	0
74	SCALA ENERGY OPERATING, LLC	765602	MUSTACHIO 12	1V	119181	10900000	70,000	0	
75	SELECT ENERGY SERVICES, LLC	765602	JOFFREY SWD 58-13	1	119927	38900000	80,000	0	0
76	SELECT ENERGY SERVICES, LLC	765602	HODOR SWD 57-19	2	120805	38900000	80,000	0	

Table 4 - OLRP Timeline

October 22, 2021	RRC establishes NCR SRA
March 1, 2022	NCR OLRP Initiation
June 2022	1 st Quarterly Meeting: Deep Implementation Schedule Checkpoint
September 2022	2 nd Quarterly Meeting: Shallow Seismic Monitoring Checkpoint Shallow Target Ceiling Deadline September 1, 2022 Seismic Monitoring Implementation deadline September 1, 2022
December 2022	3 rd Quarterly Meeting
March 2023	4 th Quarterly Meeting
June 2023	5 th Quarterly Meeting: Full Deep Implementation Checkpoint Deep Target Reduction Deadline June 30, 2023
September 2023	6 th Quarterly Meeting: Decreasing 3.5M+ Checkpoint
December 2023	7 th Quarterly Meeting: NCR SRA Overall Goal Checkpoint (continue as necessary to monitor 3.5M+ recurrence)