

## UIC Permit Application Monitor

Central Basin Platform & Delaware Basin

Contact: Abigail Michel – amichel@b3insight.com

### Highlights

Current Two Weeks: 6/18/19 – 7/1/19

Previous Two Weeks: 6/4/19 – 6/17/19

- MDC Texas Operator, LLC. submitted ten new applications in the previous two weeks for commercial disposal wells in Reeves County. If approved with the requested injection volumes, it will acquire 200,000 bbl/day of injection capacity in the Delaware. *See pages 3,6.*
- CrownQuest Operating, LLC. made a move into Loving County. It applied for three new wells bordering NM in the previous two weeks. These are CrownQuest's first commercial disposal wells in the Delaware; previously all of the CrownQuest wells were in the CBP and Midland. *See pages 3,6.*
- There are several new applications in the current two weeks with notable new activity. Caribbean Energy and Tab Ector applied for their first injection wells in the Permian Basin. Seguro Oil and Gas, LLC. also applied for its first disposal well in the Delaware, previously operating in only the CBP and Midland. Currently, Mongoose Energy, LLC. has only one approved well with 8,000 bbl/day of injectivity capacity, but applied for two new disposal wells with a cumulative requested capacity of 50,000 bbl/day. *See pages 3,4.*
- Centennial Resources Prod LLC. received a permit that took 525 days to be approved. Although the application was originally submitted in January 2018, Centennial had to refile under a W-14 rather than an H1/H1-A. This is because although the proposed injection was into the Delaware Mtn. Group, it was not within two miles of any productive zones. The application was administratively approved in March 2019, but had an active protest. The protest was withdrawn May 2019 and it was finally approved almost one month later. *See pages 8,9,11,12.*
- Another application by Enwater Operating, LLC. (acquired by WaterBridge) also took over a year to be approved (387 days). The application, submitted in May 2018, was administratively approved in August 2018, however it had multiple active protests. The applicant then requested a hearing in November 2018. The hearing was held in April 2019 and had a duration of 45 days. On June 7, 2019 the two remaining protests were withdrawn and the permit was issued two weeks later. *See pages 8,9,11,12.*
- See page 15 for B3's new and improved RADLTR categories.

### Overview: UIC Permit Applications

#### ▲ New Applications

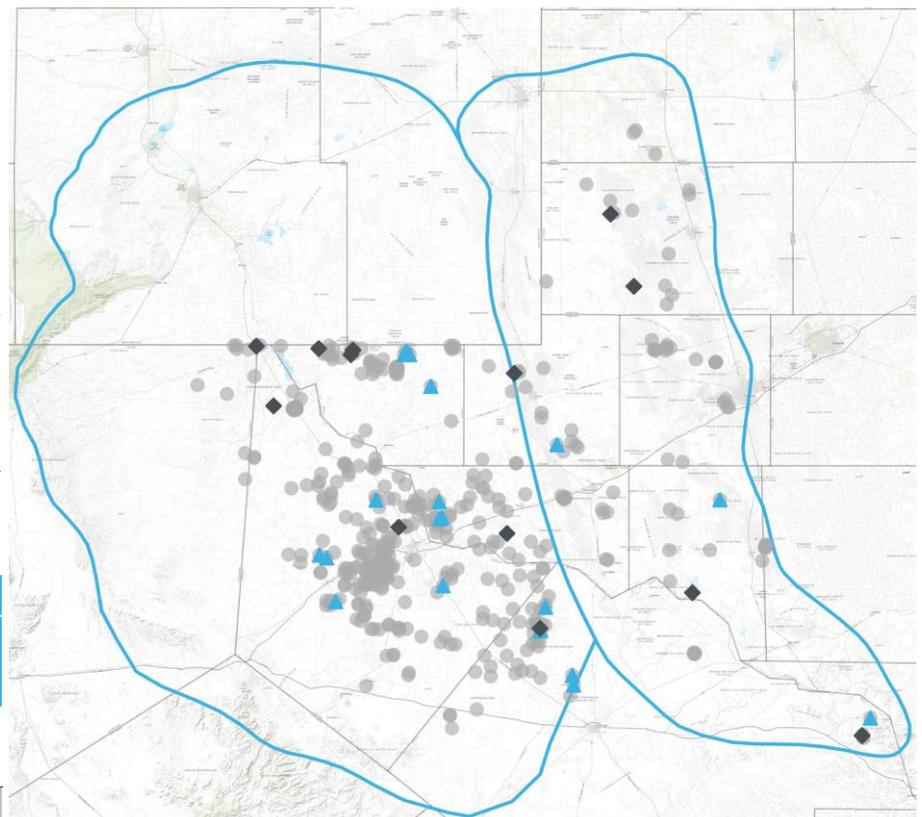
	Current Two Weeks	Previous Two Weeks
New	15	33
Amendments	6	17
<b>Total</b>	<b>21</b>	<b>50</b>

#### ◆ Approved Applications

	Current Two Weeks	Previous Two Weeks
New	10	10
Amendments	3	0
<b>Total</b>	<b>13</b>	<b>10</b>

#### ● Pending Applications (All)

	Current 7/1/16 7/1/19	Previous 6/17/16 6/17/19
New	361	346
Amendments	68	62
<b>Total</b>	<b>429</b>	<b>408</b>



*Pending Applications are ALL applications that have a stamp date between the defined date ranges, have not received a permit approval, and have not been withdrawn or returned.*

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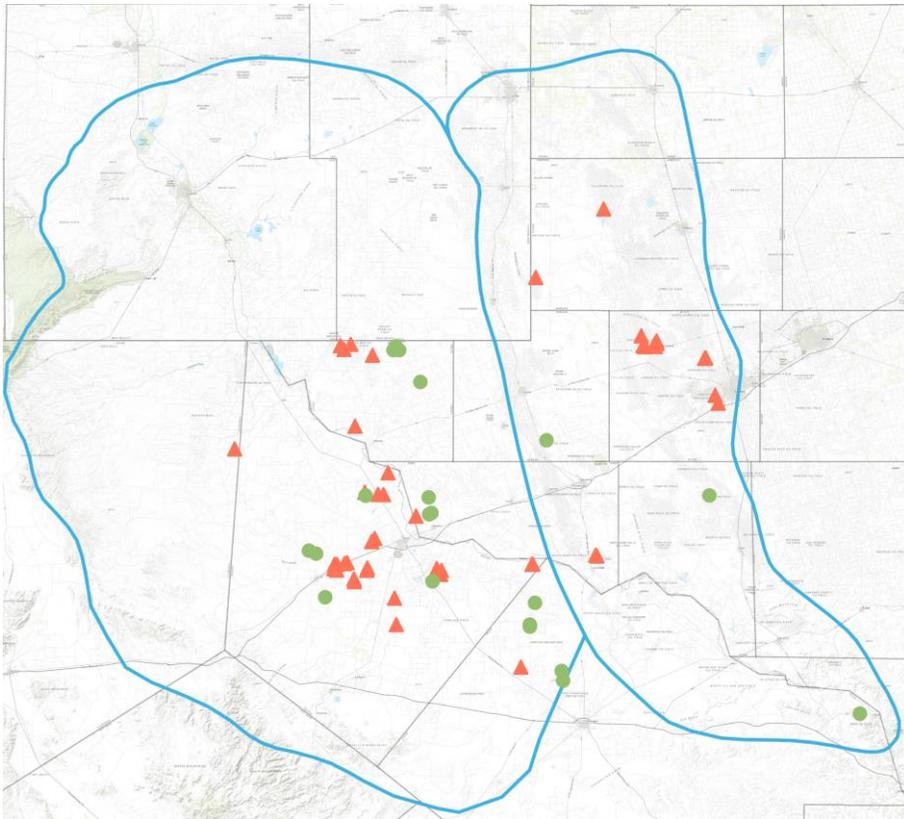
### Section I. New Applications

Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

Time Period	Basin	Submitted	New	Amendment	Commercial
Current 2 Weeks	Central Basin Platform	3	0	3	0
	Delaware Basin	18	15	3	13
	Central Basin Platform & Delaware Basin	21	15	6	13
Previous 2 Weeks	Central Basin Platform	18	2	16	0
	Delaware Basin	32	31	1	24
	Central Basin Platform & Delaware Basin	50	33	17	24
Last 60 Days	Central Basin Platform	44	18	26	3
	Delaware Basin	89	83	6	45
	Central Basin Platform & Delaware Basin	133	101	32	48
Last 180 Days	Central Basin Platform	174	87	87	6
	Delaware Basin	307	270	37	143
	Central Basin Platform & Delaware Basin	481	357	124	149

● Current Two Weeks      ▲ Previous Two Weeks



County	Current Two Weeks	Previous Two Weeks
<b>Central Basin Platform</b>		
ANDREWS	0	2
BROOKS	0	0
CRANE	1	0
CROCKETT	0	0
ECTOR	0	14
GAINES	0	0
MIDLAND	0	0
PECOS	1	0
UPTON	0	0
WARD	0	2
WINKLER	1	0
<b>Delaware Basin</b>		
CULBERSON	0	1
LOVING	4	5
MIDLAND	0	0
PECOS	5	1
REEVES	6	24
REFUGIO	0	0
WARD	3	1
WINKLER	0	0

## UIC Permit Application Monitor

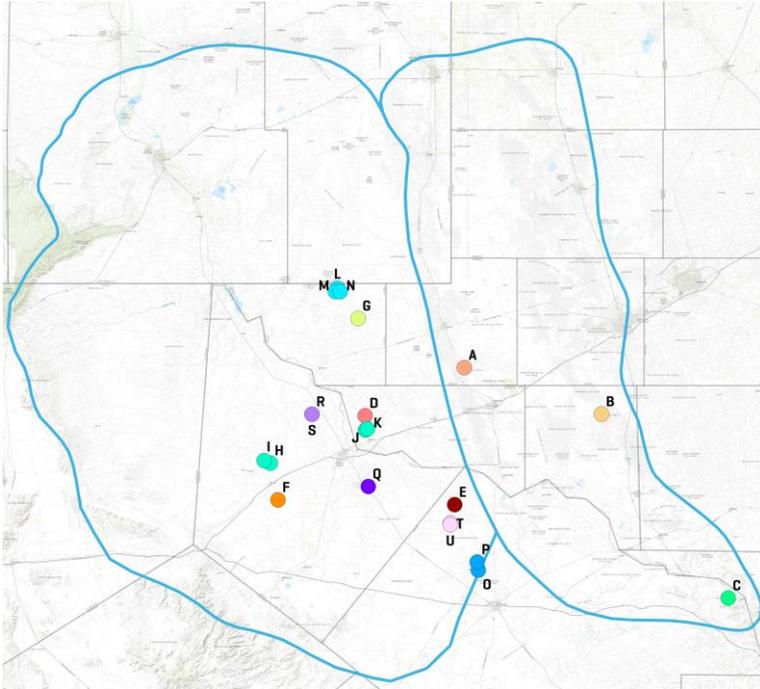
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Current Two Weeks: 6/18/19 – 7/1/19

Previous Two Weeks: 6/4/19 – 6/17/19

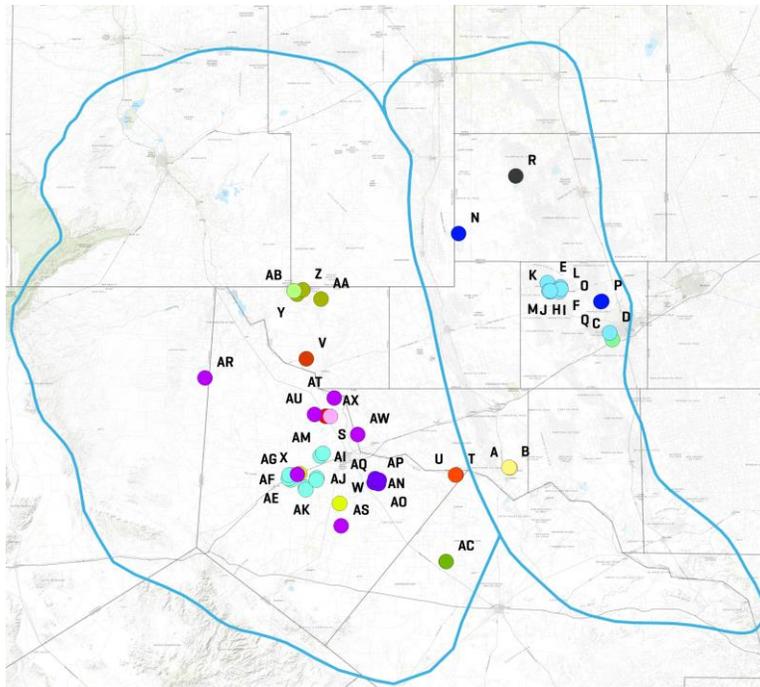
### New Applications: Current Two Weeks by Operator



- ADVANCE ENERGY PARTNERS, LLC [D]
- BLACK MOUNTAIN SWD LP [E]
- BLACKBEARD OPERATING, LLC [A]
- BURLINGTON RES O & G CO-MIDLAND [B]
- CARIBBEAN ENERGY, L.L.C. [F]
- COG OPERATING LLC [G]
- KINDER MORGAN PRODUCTION CO LLC [C]
- LUXE OPERATING LLC [H,I,J,K]
- MESQUITE SWD INC [L,M,N]
- MONGOOSE ENERGY, LLC [O,P]
- PRI OPERATING, LLC [Q]
- SEGURO OIL AND GAS, LLC [R,S]
- TAB ECTOR LLC [T,U]

Reference Page 4, Table 1 for current two-week operator detail.

### New Applications: Previous Two Weeks by Operator



- ALPHA SWD LLC [S]
- BOYKIN ENERGY LLC [T,U]
- BTA OIL PRODUCERS, LLC [V]
- CBP OPERATING LLC [A,B]
- COMANCHERIA LAND & WATER, LLC. [W,X]
- CROWNQUEST OPERATING, LLC [Y,Z,AA]
- DACO OPERATING, LLC [AB]
- DIAMONDBACK E&P LLC [AC]
- LAGUNA PETROLEUM CORPORATION [C]
- MDC TEXAS OPERATOR LLC [AD,AE,AF,AG,AH,AI,AJ,AK,AL,AM]
- OCCIDENTAL PERMIAN LTD. [D,E,F,G,H,I,J,K,L,M]
- OXY USA WTP LP [N,O,P,Q]
- PRI OPERATING, LLC [AN,AO,AP,AQ]
- RANHWATER DISPOSAL, LLC [AR,AS,AT,AU,AV,AW]
- STABLE LAND RESOURCES, LLC [AX]
- XTO ENERGY INC. [R]

Reference Page 5, Table 2 for previous two-week operator detail.

## UIC Permit Application Monitor

Central Basin Platform & Delaware Basin

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**Table 1: New Applications - Current Two Weeks**

Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

C or NC: C = Commercial, NC = Non-Commercial

Map Id	Tracking #	Well #	Stamp Date	County	Operator	Req. Inj. [bbl]	Req. Inj. [psig]	Inj. Interval [ft]	C or NC	API	New or Amend	UIC #
<b>Central Basin Platform</b>												
A	51073	1SD	6/24/19	WINKLER	BLACKBEARD OPERATING, LLC	17,500	1,950	3,950-6,200	NC	42-495-33926	Amend	117702
B	51056	431W	6/24/19	CRANE	BURLINGTON RES O & G CO-MIDLAND	1,000	1,500	3,186-3,344	NC	42-103-01275	Amend	12332
C	51060	214E85	6/24/19	PECOS	KINDER MORGAN PRODUCTION CO LLC	30,000	650	1,318-1,588	NC	42-371-34734	Amend	56562
<b>Delaware Basin</b>												
D	51020	1	6/18/19	WARD	ADVANCE ENERGY PARTNERS, LLC	30,000	2,350	4,500-8,000	C	42-475-00000	New	N/A
E	51054	3	6/21/19	PECOS	BLACK MOUNTAIN SWD LP	25,000	2,430	4,860-7,500	NC	42-371-00000	New	N/A
F	51044	1	6/21/19	REEVES	CARIBBEAN ENERGY, L.L.C.	25,000	2,250	4,050-6,800	C	42-389-00000	New	N/A
G	51053	1	6/21/19	LOVING	COG OPERATING LLC	25,000	2,550	5,100-7,000	NC	42-301-33788	New	N/A
H	51046	1	6/21/19	REEVES	LUXE OPERATING LLC	30,000	926	3,704-6,741	C	42-389-00000	New	N/A
I	51047	1	6/21/19	REEVES	LUXE OPERATING LLC	30,000	926	3,704-6,741	C	42-389-00000	New	N/A
J	51048	1	6/21/19	WARD	LUXE OPERATING LLC	20,000	1,193	4,772-8,006	C	42-475-00000	New	N/A
K	51049	1	6/21/19	WARD	LUXE OPERATING LLC	20,000	1,193	4,772-8,006	C	42-475-00000	New	N/A
L	51032	1	6/19/19	LOVING	MESQUITE SWD INC	30,000	2,500	5,000-7,800	C	42-301-34456	Amend	115120
M	51033	2	6/19/19	LOVING	MESQUITE SWD INC	30,000	2,500	5,000-7,800	C	42-301-34457	Amend	115119
N	51034	4	6/19/19	LOVING	MESQUITE SWD INC	30,000	2,500	5,000-7,800	C	42-301-34458	Amend	115121
O	51061	1	6/24/19	PECOS	MONGOOSE ENERGY, LLC	25,000	2,450	5,050-6,100	NC	42-371-00000	New	N/A
P	51021	1	6/18/19	PECOS	MONGOOSE ENERGY, LLC	25,000	2,500	5,200-6,300	NC	42-371-00000	New	N/A
Q	51023	1SW	6/18/19	REEVES	PRI OPERATING, LLC	30,000	2,750	5,500-7,500	NC	42-389-00000	New	N/A
R	51057	1	6/24/19	REEVES	SEGURO OIL AND GAS, LLC	30,000	2,085	4,284-6,174	C	42-389-30082	New	N/A
S	51029	1	6/19/19	REEVES	SEGURO OIL AND GAS, LLC	30,000	2,085	4,284-6,174	C	42-389-30082	New	N/A
T	51050	1	6/21/19	PECOS	TAB ECTOR LLC	20,000	2,415	4,830-7,358	C	42-371-00000	New	N/A
U	51051	1	6/21/19	PECOS	TAB ECTOR LLC	20,000	2,415	4,830-7,358	C	42-371-00000	New	N/A

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**Table 2: New Applications - Previous Two Weeks**

Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

C or NC: C = Commercial, NC = Non-Commercial

Map Id	Tracking #	Well #	Stamp Date	County	Operator	Req. Inj. [bb]	Req. Inj. [psig]	Inj. Interval [ft]	C or NC	API	New or Amend	UIC #
<b>Central Basin Platform</b>												
A	51014	21	6/17/19	WARD	CBP OPERATING LLC	10,000	1,575	3,150-5,050	NC	42-475-00000	New	N/A
B	51015	20	6/17/19	WARD	CBP OPERATING LLC	10,000	1,575	3,150-5,050	NC	42-475-00000	New	N/A
C	50929	19	6/4/19	ECTOR	LAGUNA PETROLEUM CORPORATION	5,000	1,800	3,600-4,600	NC	42-135-38455	Amend	93248
D	50998	65W	6/14/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	1,900	3,800-4,600	NC	42-135-30760	Amend	12978
E	50980	653	6/12/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,850	NC	42-135-42742	Amend	109279
F	50968	126W	6/11/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,800	NC	42-135-06506	Amend	14401
G	50968	152W	6/11/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,800	NC	42-135-06477	Amend	14415
H	50968	153W	6/11/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,800	NC	42-135-06478	Amend	14416
I	50968	161W	6/11/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,800	NC	42-135-03463	Amend	14422
J	50968	175W	6/11/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,800	NC	42-135-06469	Amend	14427
K	50968	136W	6/11/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,800	NC	42-135-03465	Amend	58644
L	50968	151W	6/11/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,800	NC	42-135-06479	Amend	58645
M	50968	137W	6/11/19	ECTOR	OCCIDENTAL PERMIAN LTD.	5,000	2,600	5,200-6,800	NC	42-135-08788	Amend	58645
N	50953	321W	6/7/19	ANDREWS	OXY USA WTP LP	2,000	2,500	6,300-7,400	NC	42-003-33063	Amend	49274
O	50936	668W	6/5/19	ECTOR	OXY USA WTP LP	5,000	1,950	3,900-4,500	NC	42-135-34671	Amend	62421
P	50936	669W	6/5/19	ECTOR	OXY USA WTP LP	5,000	1,950	3,900-4,500	NC	42-135-34669	Amend	66477
Q	50936	650W	6/5/19	ECTOR	OXY USA WTP LP	5,000	1,950	3,900-4,500	NC	42-135-30690	Amend	11507
R	50990	3014	6/13/19	ANDREWS	XTO ENERGY INC.	5,000	2,869	5,738-7,263	NC	42-003-06264	New	N/A

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**Table 2: New Applications - Previous Two Weeks (cont.)**

Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

C or NC: C = Commercial, NC = Non-Commercial

Map Id	Tracking #	Well #	Stamp Date	County	Operator	Req. Inj. [bbl]	Req. Inj. [psig]	Inj. Interval [ft]	C or NC	API	New or Amend	UIC #
<b>Delaware Basin</b>												
S	50955	1	6/7/19	REEVES	ALPHA SWD LLC	25,000	2,138	4,275-7,600	C	42-389-00000	New	N/A
T	50976	2	6/7/19	REEVES	BOYKIN ENERGY LLC	25,000	2,350	4,700-7,950	NC	42-389-00000	New	N/A
U	50976	3	6/7/19	REEVES	BOYKIN ENERGY LLC	25,000	2,350	4,700-7,950	NC	42-389-00000	New	N/A
V	50971	1	6/11/19	LOVING	BTA OIL PRODUCERS, LLC	20,000	2,085	4,173-6,250	NC	42-301-00000	New	N/A
W	51001	1	6/14/19	REEVES	COMANCHERIA LAND & WATER, LLC.	25,000	2,475	4,950-7,500	C	42-389-38259	New	N/A
X	50993	1	6/13/19	REEVES	COMANCHERIA LAND & WATER, LLC.	25,000	2,032	4,065-6,850	C	42-389-38388	New	N/A
Y	51004	2D	6/17/19	LOVING	CROWNQUEST OPERATING, LLC	25,000	2,150	4,700-6,200	C	42-301-34497	New	N/A
Z	51005	5D	6/17/19	LOVING	CROWNQUEST OPERATING, LLC	25,000	2,150	4,350-6,100	C	42-301-34500	New	N/A
AA	51006	1D	6/17/19	LOVING	CROWNQUEST OPERATING, LLC	20,000	2,500	4,670-6,200	C	42-301-34503	New	N/A
AB	50930	3	6/4/19	LOVING	DACO OPERATING, LLC	30,000	2,095	4,190-6,550	C	42-301-33338	Amend	111406
AC	50952	1D	6/7/19	PECOS	DIAMONDBACK E&P LLC	20,000	1,497	5,988-7,650	NC	42-371-00000	New	N/A
AD	51063	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AE	51064	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AF	51065	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AG	51066	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AH	51067	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AI	51068	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AJ	51069	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AK	51070	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AL	51071	1	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AM	51072	2	6/14/19	REEVES	MDC TEXAS OPERATOR LLC	20,000	1,025	4,100-6,900	C	42-389-00000	New	N/A
AN	50995	1SW	6/13/19	REEVES	PRI OPERATING, LLC	30,000	2,750	5,500-7,500	NC	42-389-00000	New	N/A
AO	50987	1SW	6/12/19	REEVES	PRI OPERATING, LLC	30,000	2,750	5,500-7,500	NC	42-389-00000	New	N/A
AP	50946	1SW	6/6/19	REEVES	PRI OPERATING, LLC	30,000	2,750	5,500-7,500	NC	42-389-00000	New	N/A
AQ	50940	1SW	6/5/19	REEVES	PRI OPERATING, LLC	30,000	2,750	5,500-7,500	NC	42-389-00000	New	N/A
AR	50964	1	6/10/19	CULBERSON	RANHWATER DISPOSAL, LLC	50,000	1,500	3,000-6,500	C	42-109-00000	New	N/A
AS	50983	1	6/11/19	REEVES	RANHWATER DISPOSAL, LLC	50,000	2,550	5,100-7,000	C	42-389-00000	New	N/A
AT	50965	1	6/10/19	REEVES	RANHWATER DISPOSAL, LLC	50,000	2,250	4,500-7,000	C	42-389-00000	New	N/A
AU	50949	1	6/6/19	REEVES	RANHWATER DISPOSAL, LLC	50,000	2,210	4,420-7,000	C	42-389-00000	New	N/A
AV	50950	1	6/6/19	REEVES	RANHWATER DISPOSAL, LLC	50,000	2,030	4,060-7,000	C	42-389-00000	New	N/A
AW	50937	1	6/5/19	WARD	RANHWATER DISPOSAL, LLC	50,000	2,310	4,620-7,500	C	42-475-00000	New	N/A
AX	50996	1D	6/14/19	REEVES	STABLE LAND RESOURCES, LLC	25,000	2,100	4,503-7,960	C	42-389-00000	New	N/A

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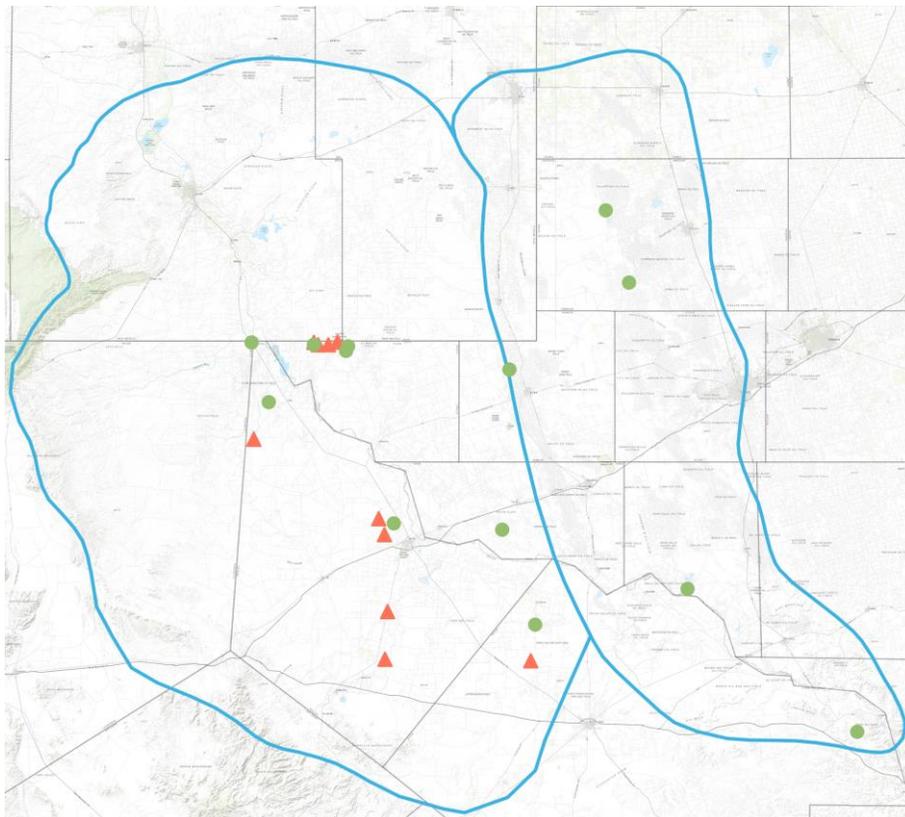
## Section II. Approved Applications

Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

Time Period	Basin	Approved	New	Amendment	Commercial
Current 2 Weeks	Central Basin Platform	5	2	3	0
	Delaware Basin	8	8	0	6
	Central Basin Platform & Delaware Basin	13	10	3	6
Previous 2 Weeks	Central Basin Platform	0	0	0	0
	Delaware Basin	10	10	0	3
	Central Basin Platform & Delaware Basin	10	10	0	3
Last 60 Days	Central Basin Platform	41	22	19	2
	Delaware Basin	65	56	9	37
	Central Basin Platform & Delaware Basin	106	78	28	39
Last 180 Days	Central Basin Platform	187	111	76	10
	Delaware Basin	219	172	47	117
	Central Basin Platform & Delaware Basin	406	283	123	127

● Current Two Weeks      ▲ Previous Two Weeks



County	Current Two Weeks	Previous Two Weeks
<b>Central Basin Platform</b>		
ANDREWS	2	0
BROOKS	0	0
CRANE	1	0
CROCKETT	0	0
ECTOR	0	0
GAINES	0	0
MIDLAND	0	0
PECOS	1	0
UPTON	0	0
WARD	0	0
WINKLER	1	0
<b>Delaware Basin</b>		
CULBERSON	1	0
LOVING	3	4
MIDLAND	0	0
PECOS	1	1
REEVES	2	5
REFUGIO	0	0
WARD	1	0
WINKLER	0	0

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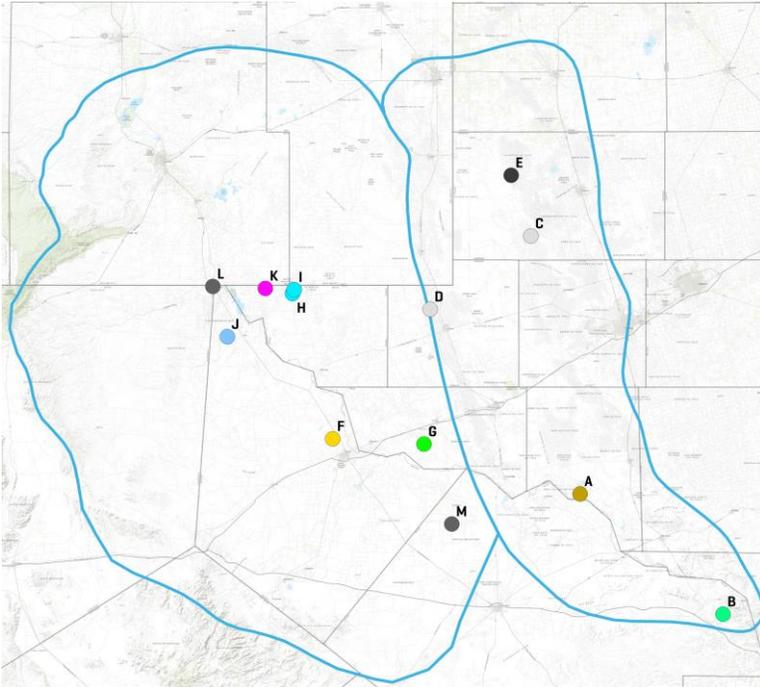
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### Approved Applications: Current Two Weeks by Operator

Current Two Weeks: 6/18/19 - 7/1/19

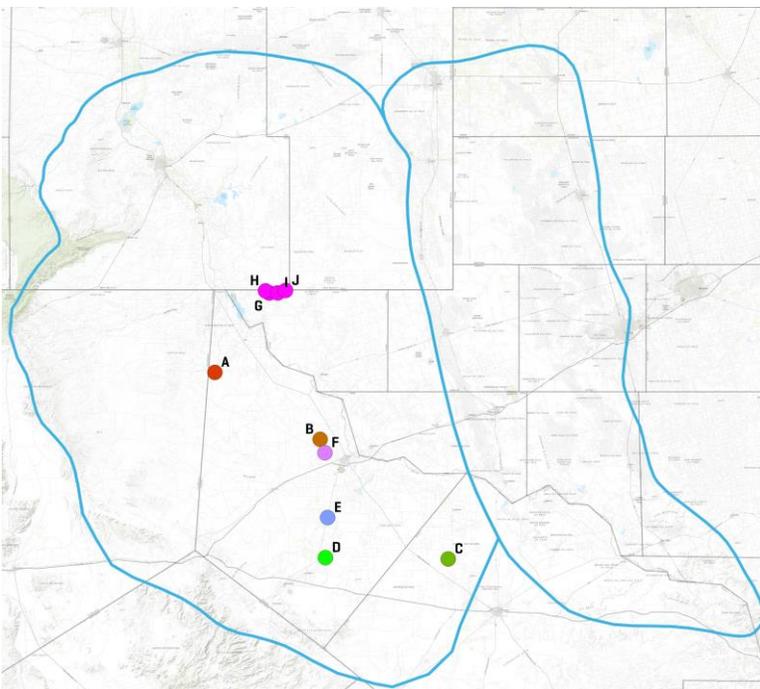
Previous Two Weeks: 6/4/19 - 6/17/19



- CENTENNIAL RESOURCE PROD, LLC [F]
- CITATION OIL & GAS CORP. [A]
- ENWATER OPERATING, LLC [G]
- KINDER MORGAN PRODUCTION CO LLC [B]
- MESQUITE SWD INC [H,I]
- OVERFLOW ENERGY, LLC [J]
- SOLARIS WATER MIDSTREAM, LLC [K]
- UNITEX OIL & GAS, L.L.C. [C,D]
- VELOCITY WATER SOLUTIONS, LP [L,M]
- XTO ENERGY INC [E]

Reference Page 12, Table 4 for approved current two-week operator details.

### Approved Applications: Previous Two Weeks by Operator



- BTA OIL PRODUCERS, LLC [A]
- CARRIZO (PERMIAN) LLC [B]
- DIAMONDBACK E&P LLC [C]
- ENWATER OPERATING, LLC [D]
- PA PROSPECT LLC [E]
- SELECT ENERGY SERVICES, LLC [F]
- SOLARIS WATER MIDSTREAM, LLC [G,H,I,J]

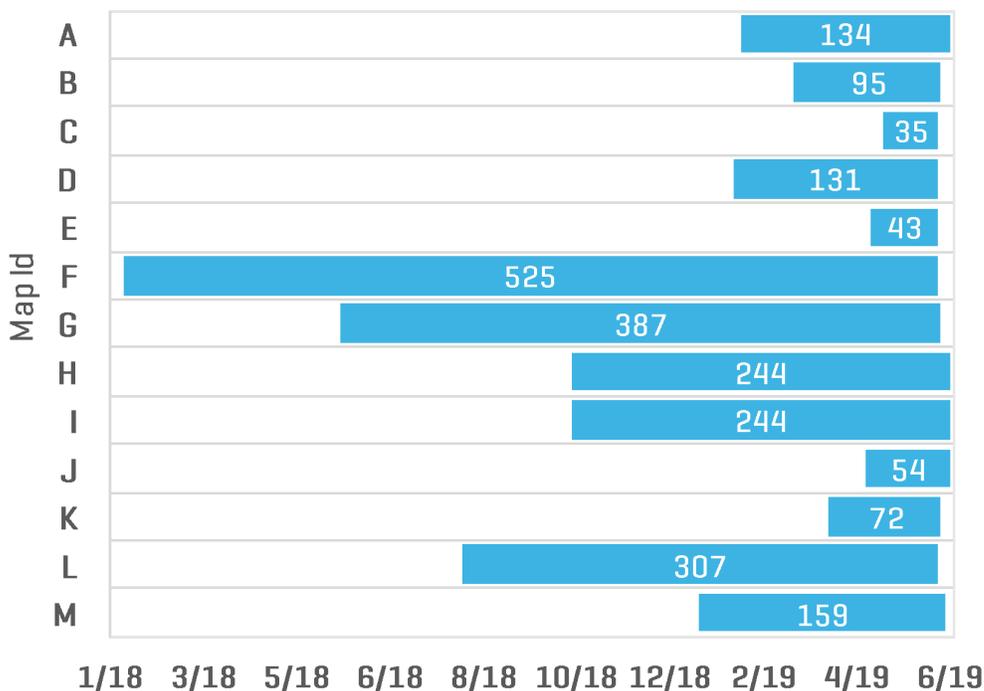
Reference Page 13, Table 5 for approved previous two-week operator details.

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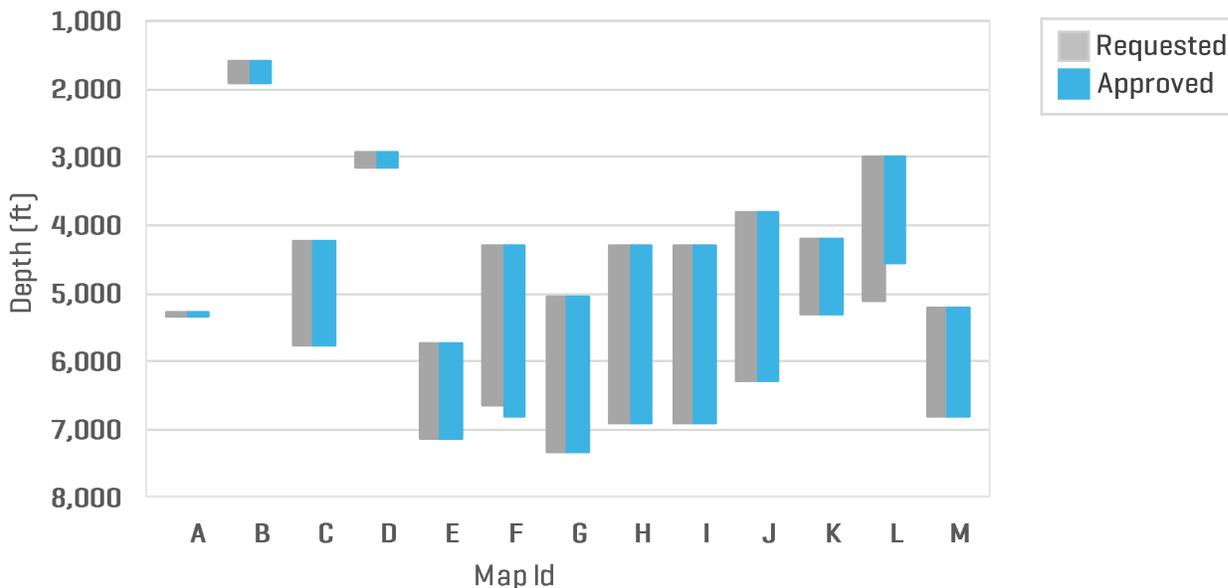
Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

### Current Two Weeks: Days Elapsed Until Approval



### Current Two Weeks: Injection Intervals



Reference Page 11, Table 3 for individual well details that correspond with the letters in these charts.

## UIC Permit Application Monitor

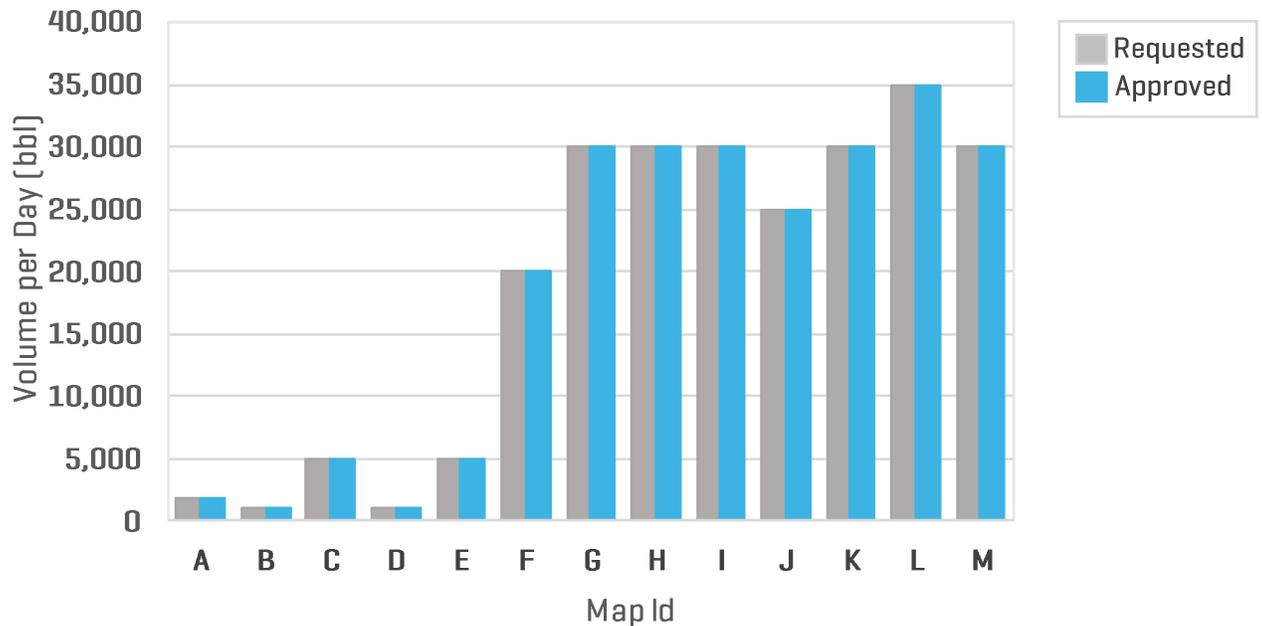
Central Basin Platform & Delaware Basin

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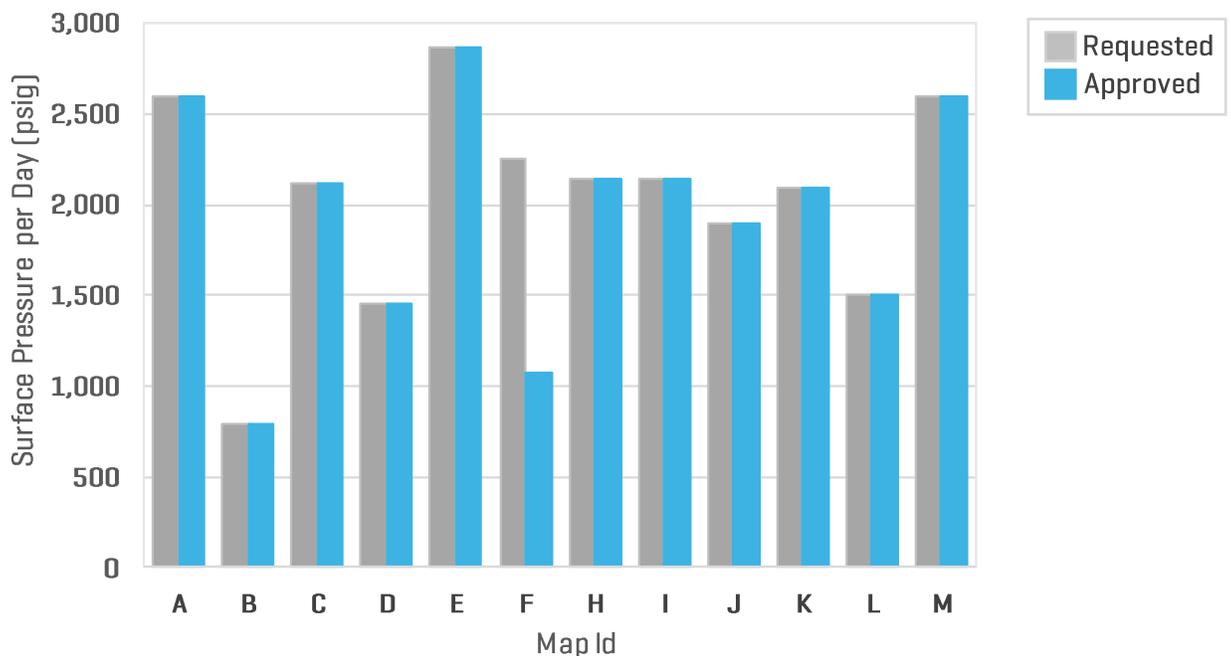
Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

### Current Two Weeks: Max. Liquid Injection Volume



### Current Two Weeks: Max. Liquid Injection Pressure



Reference Page 11, Table 3 for individual well details that correspond with the letters in these charts.

## UIC Permit Application Monitor

Central Basin Platform & Delaware Basin

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**Table 3: Approved Permit Applications – Current Two Weeks by Operator**

Current Two Weeks: 6/18/19 – 7/1/19

Previous Two Weeks: 6/4/19 – 6/17/19

Map Id	Operator	Tracking #	Well #	Reported Formation(s)
<b>Central Basin Platform</b>				
A	CITATION OIL & GAS CORP.	50290	28W	DEVONIAN
B	KINDER MORGAN PRODUCTION CO LLC	50490	67C36	SAN ANDRES
C	UNITEX OIL & GAS, L.L.C.	50814	3	SAN ANDRES / CLEARFORK
D	UNITEX OIL & GAS, L.L.C.	50234	31	YATES
E	XTO ENERGY INC	50770	3008	CLEARFORK
<b>Delaware Basin</b>				
F	CENTENNIAL RESOURCE PROD, LLC	47967	1	DELAWARE MTN GROUP
G	ENWATER OPERATING, LLC	48741	1	DELAWARE MTN GROUP
H	MESQUITE SWD INC	49701	3	DELAWARE MTN GROUP
I	MESQUITE SWD INC	49702	4	DELAWARE MTN GROUP
J	OVERFLOW ENERGY, LLC	50764	1	CHERRY CANYON / BRUSHY CANYON
K	SOLARIS WATER MIDSTREAM, LLC	50652	1	CHERRY CANYON / BRUSHY CANYON
L	VELOCITY WATER SOLUTIONS, LP	49244	1	DELAWARE MTN GROUP
M	VELOCITY WATER SOLUTIONS, LP	50096	1	DELAWARE MTN GROUP

## UIC Permit Application Monitor

Central Basin Platform &amp; Delaware Basin

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**Table 4: Approved Applications – Current Two Weeks**
**Current Two Weeks: 6/18/19 – 7/1/19**
**Previous Two Weeks: 6/4/19 – 6/17/19**
**C or NC:** C = Commercial, NC = Non-Commercial

Map Id	Tracking #	Well #	Approved Date	Stamp Date	Days Elapsed	County	Operator	Auth. Inj. [bbl]	Auth. Inj. [psig]	Inj. Interval [ft]	C or NC	API	New or Amend	UIC #	
<b>Central Basin Platform</b>															
A	50290	28W	6/26/19	2/12/19	134	CRANE	CITATION OIL & GAS CORP.	1,850	2,600	5,287-5,470	NC	42-103-34100	Amend	76452	
B	50490	67C36	6/21/19	3/18/19	95	PECOS	KINDER MORGAN PRODUCTION CO LLC	1,000	796	1,592-1,915	NC	42-371-35788	Amend	60968	
C	50814	3	6/18/19	5/14/19	35	ANDREWS	UNITEX OIL & GAS, L.L.C.	5,000	2,116	4,232-5,774	NC	42-003-45646	Amend	111571	
D	50234	31	6/18/19	2/7/19	131	WINKLER	UNITEX OIL & GAS, L.L.C.	1,000	1,461	2,923-3,143	NC	42-495-05663	New	118732	
E	50770	3008	6/18/19	5/6/19	43	ANDREWS	XTO ENERGY INC	5,000	2,874	5,747-7,136	NC	42-003-07662	New	118723	
<b>Delaware Basin</b>															
F	47967	1	6/19/19	1/10/18	525	REEVES	CENTENNIAL RESOURCE PROD, LLC	20,000	1,075	4,300-6,800	NC	42-389-37308	New	118728	
G	48741	1	6/21/19	5/30/18	387	WARD	ENWATER OPERATING, LLC	30,000	2,525	5,050-7,350	C	42-475-00000	New	118745	
H	49701	3	6/27/19	10/26/18	244	LOVING	MESQUITE SWD INC	30,000	2,150	4,300-6,900	C	42-301-00000	New	118733	
I	49702	4	6/27/19	10/26/18	244	LOVING	MESQUITE SWD INC	30,000	2,150	4,300-6,900	C	42-301-00000	New	118753	
J	50764	1	6/26/19	5/3/19	54	REEVES	OVERFLOW ENERGY, LLC	25,000	1,900	3,800-6,300	C	42-389-00000	New	118747	
K	50652	1	6/21/19	4/10/19	72	LOVING	SOLARIS WATER MIDSTREAM, LLC	30,000	2,100	4,200-5,300	NC	42-301-00000	New	118735	
L	49244	1	6/19/19	8/16/18	307	CULBERSON	VELOCITY WATER SOLUTIONS, LP	35,000	1,500	3,000-4,571	C	42-109-00000	New	118734	
M	50096	1	6/24/19	1/16/19	159	PECOS	VELOCITY WATER SOLUTIONS, LP	30,000	2,600	5,200-6,800	C	42-371-00000	New	118739	

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**Table 5: Approved Applications - Previous Two Weeks**

**Current Two Weeks: 6/18/19 - 7/1/19**

**Previous Two Weeks: 6/4/19 - 6/17/19**

**C or NC:** C = Commercial, NC = Non-Commercial

Map Id	Tracking #	Well #	Approved Date	Stamp Date	Days Elapsed	County	Operator	Auth. Inj. [bbl]	Auth. Inj. [psig]	Inj. Interval [ft]	C or NC	API	New or Amend	UIC #
<b>Delaware Basin</b>														
A	50438	1	6/13/19	3/12/19	93	REEVES	BTA OIL PRODUCERS, LLC	18,000	675	2,700-5,000	NC	42-389-38320	New	118684
B	48858	1	6/11/19	6/20/18	356	REEVES	CARRIZO [PERMIAN] LLC	15,000	2,000	4,215-7,500	NC	42-389-35359	New	118698
C	50149	1D	6/13/19	1/24/19	140	PECOS	DIAMONDBACK E&P LLC	20,000	1,493	5,970-7,750	NC	42-371-00000	New	118686
D	48281	1	6/4/19	3/9/18	452	REEVES	ENWATER OPERATING, LLC	20,000	1,237	4,950-6,700	C	42-389-00000	New	118623
E	48228	1	6/10/19	3/5/18	462	REEVES	PA PROSPECT LLC	20,000	1,225	4,900-6,375	C	42-389-00000	New	118685
F	49766	1	6/11/19	11/6/18	217	REEVES	SELECT ENERGY SERVICES, LLC	20,000	1,050	4,200-6,200	C	42-389-00000	New	118693
G	50651	1	6/7/19	4/10/19	58	LOVING	SOLARIS WATER MIDSTREAM, LLC	30,000	2,100	4,200-5,300	NC	42-301-00000	New	118650
H	50653	1	6/7/19	4/10/19	58	LOVING	SOLARIS WATER MIDSTREAM, LLC	30,000	2,100	4,200-5,300	NC	42-301-00000	New	118649
I	50636	1	6/7/19	4/9/19	59	LOVING	SOLARIS WATER MIDSTREAM, LLC	30,000	1,967	3,935-6,100	NC	42-301-00000	New	118651
J	48997	1	6/10/19	7/10/18	335	LOVING	SOLARIS WATER MIDSTREAM, LLC	30,000	2,250	4,500-5,900	NC	42-301-00000	New	118671

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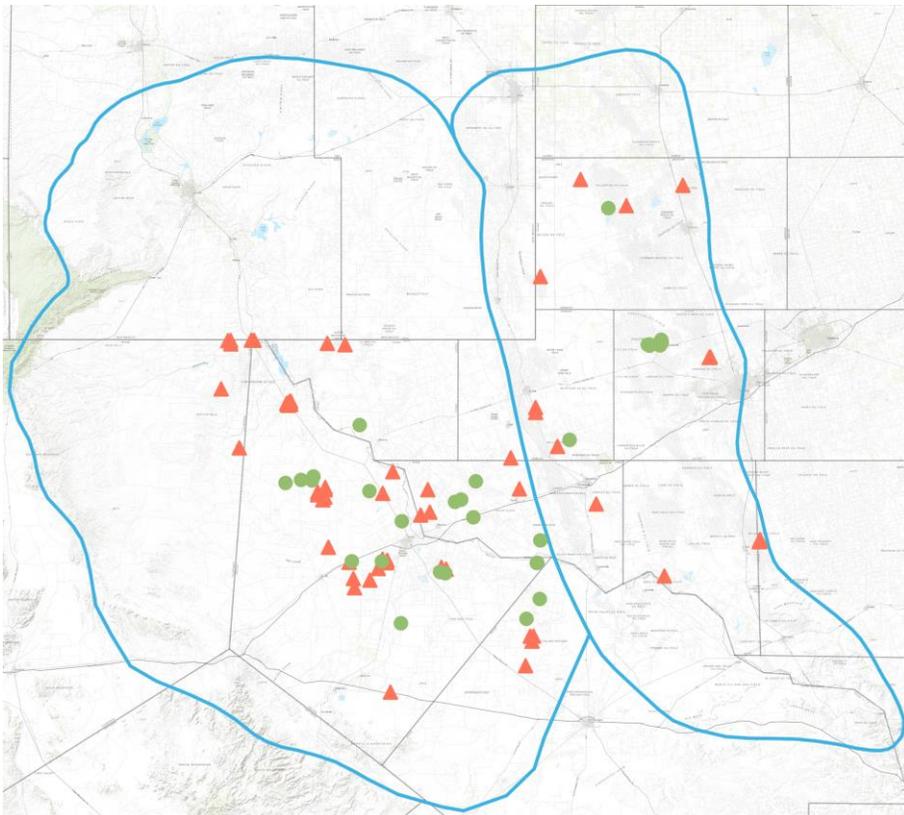
## Section III. Request for Additional Data Letter [RADLTR]

Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

Time Period	Basin	RADLTRs	New w/ RADLTRs	Amendments w/ RADLTRS	Commercial w/ RADLTRs
Current 2 Weeks	Central Basin Platform	10	0	10	0
	Delaware Basin	21	21	0	7
	Central Basin Platform & Delaware Basin	31	21	10	7
Previous 2 Weeks	Central Basin Platform	16	8	8	1
	Delaware Basin	49	45	4	23
	Central Basin Platform & Delaware Basin	65	53	12	24
Last 60 Days	Central Basin Platform	60	30	30	3
	Delaware Basin	142	129	13	61
	Central Basin Platform & Delaware Basin	202	159	43	64
Last 180 Days	Central Basin Platform	191	106	85	6
	Delaware Basin	414	371	43	203
	Central Basin Platform & Delaware Basin	605	477	128	209

● Current Two Weeks      ▲ Previous Two Weeks

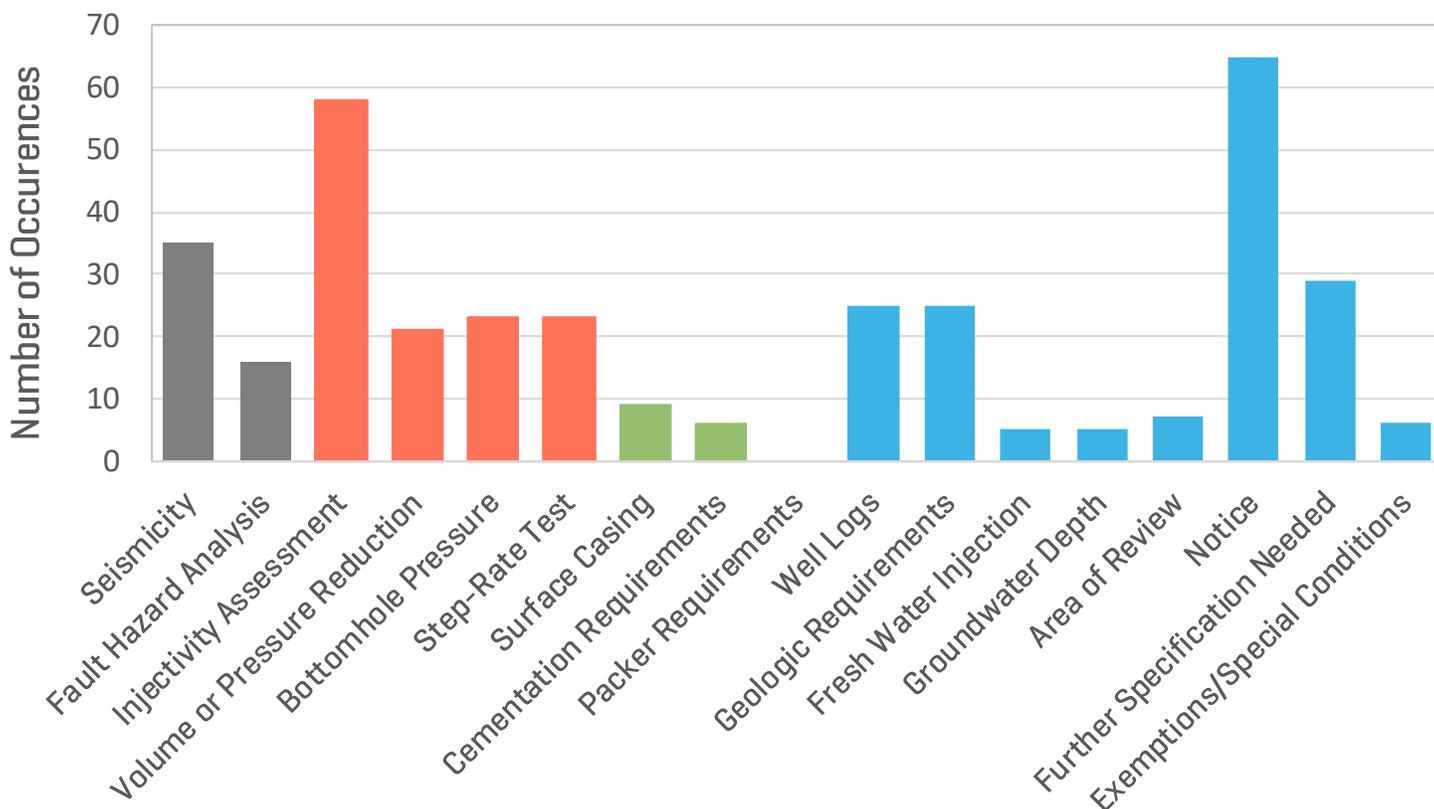


County	Current Two Weeks	Previous Two Weeks
<b>Central Basin Platform</b>		
ANDREWS	1	4
BROOKS	0	0
CRANE	0	1
CROCKETT	0	0
ECTOR	8	3
GAINES	0	0
MIDLAND	0	0
PECOS	0	0
UPTON	0	4
WARD	0	1
WINKLER	1	3
<b>Delaware Basin</b>		
CULBERSON	0	6
LOVING	1	1
MIDLAND	0	1
PECOS	2	4
REEVES	13	32
REFUGIO	0	0
WARD	5	4
WINKLER	0	1

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Current Two Weeks: 6/18/19 - 7/1/19  
 Previous Two Weeks: 6/4/19 - 6/17/19

## RADLTR Reasons in the Last Four Weeks



### Seismicity **Well Performance** Well Engineering Administrative

B3 revamped these RADLTR categories to more accurately reflect what is being seen on the most up-to-date RADLTRS in the Delaware Basin. Notable changes are as follows:

**Fault Hazard Analysis:**

A new name for Fault-Slip Potential. RRC utilizes the term “Fault Hazard Analysis” to provide a more broad term of fault analysis to not constrain operators to a specific test.

**Injectivity Assessment:**

Defines any requests for Well Tests, Injectivity Assessments, Proof of Well Performance.

**Volume or Pressure Reduction:**

As a result of this being seen much more frequently in RADLTRS, B3 is identifying how many wells have been instructed to reduce either the injection volume [bbl/day] and/or injection pressure [psig].

**Further Specification Needed:**

Replaced the previous category called “Incomplete Form” to further encompass any administrative requests to clarify, modify, complete, etc.

## UIC Permit Application Monitor

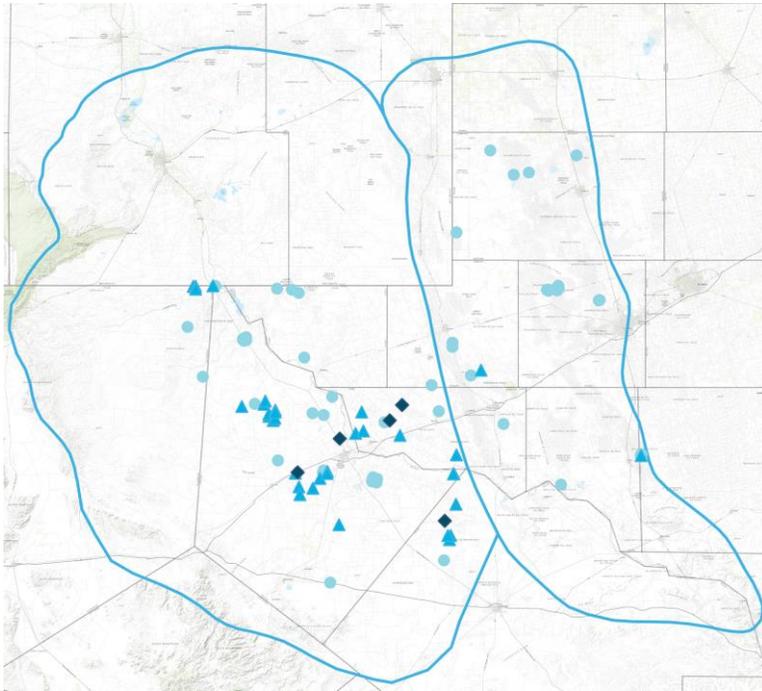
Central Basin Platform & Delaware Basin

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Current Two Weeks: 6/18/19 - 7/1/19

Previous Two Weeks: 6/4/19 - 6/17/19

### Wells with RADLTR Reasons Including Seismicity, Well Performance, and Well Engineering

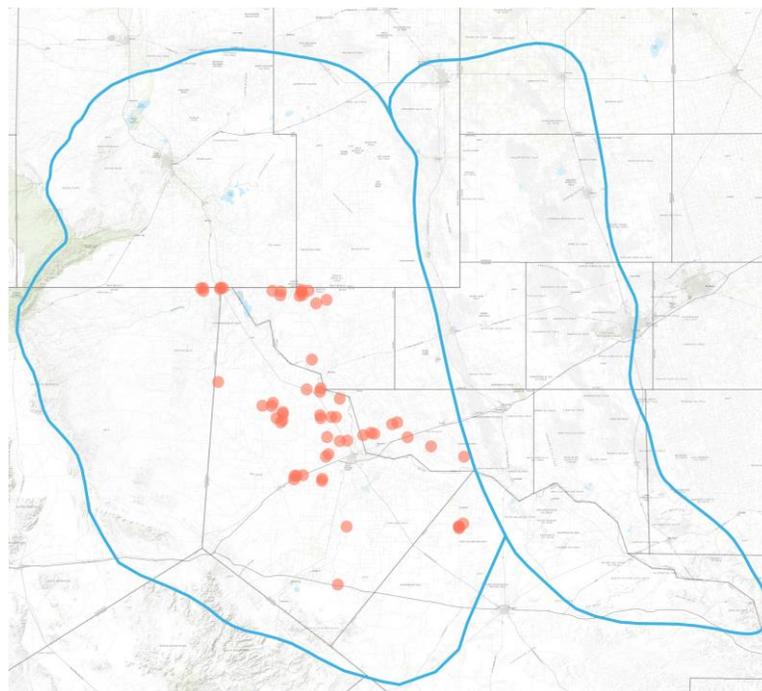


● 1 of 3 Reasons

▲ 2 of 3 Reasons

◆ 3 of 3 Reasons

### Wells with a Protest Letter Uploaded to RRC's Website in the Current Two Weeks



● Wells with a Protest Letter

## UIC Permit Application Monitor

Central Basin Platform & Delaware Basin

Contact: Abigail Michel – amichel@b3insight.com

## Methodology

The data contained in this report are extracted from a review of UIC permit applications (H-1 and W-14) submitted to the Railroad Commission of Texas (TX RRC). All data is based on what is available on the TX RRC electronic document management system and may be subject to lags and/or delays based on availability.

New permit applications are assigned to time periods specified in report based on the stamp date of the permit application. *'Previous Two Weeks'* figures may show more records than were initially reported because of delays in availability of documents from the TX RRC.

Approved permit application dates are based on the approval date provided on the actual permit. Days elapsed is defined by the days between the *stamp date* and the *approved date* on the permit. *'Reported Formation'* is based on the formation specified by applicants on the initial application.

RADLTR dates are based on the date of the most recently issued RADLTR. *'RADLTR Return Reasons'* are based on a physical review of RADLTRs sent to applicants and may contain one or more requests for additional data in a single RADLTR. The RADLTR reasons have been categorized into four main subgroups: *Seismicity, Well Performance, Well Capacity and Administrative*.

*'Pending applications'* are all outstanding permit applications that have a stamp date in the last 36 months and have not received an approval or have not been withdrawn or returned.

Additional information including terminology definitions and RADLTR details is available in the *UIC Permit Application Monitor Reference Guide*.

*Permian Sub-Basin shapes are based on the EIA's provided boundaries.*

*Base maps used are "ESRI World Topo" Copyright: Kartendaten: © OpenStreetMap-Mitwirkende, SRTM | Kartendarstellung: © OpenTopoMap (CC-BY-SA).*

County Shapefiles downloaded from the United States Census Bureau.

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