

# Permian Scout



Serving the local market with drilling activity, permits & deals for sale

January 9, 2019 Volume 07, No. 01

PLS | Derrick

## Regional Activity (State Data)

Permits Issued (06/12/18 - 01/03/19)

	Compls	Permits
West Texas (RRC 7C)	25	42
West Texas (RRC 8)	113	341
West Texas (RRC 8A)	12	27
Southeast New Mexico	69	96
<b>TOTAL</b>	<b>219</b>	<b>506</b>

## Most Active Operators by Permits

1 Occidental	31
2 XTO Energy	21
3 Energen Resources	19
<b>71 Total</b>	

## Permits by Formation (by Last Scout)

Formation	01/09	12/19	12/05
Trend Area	199	212	160
Wolfcamp	161	194	96
Bone Spring	57	42	17
San Andres	11	14	7
Devonian	7	-	2
Pennsylvanian	6	15	-
Consolidated	5	13	26
Cherry Canyon	4	2	-
Strawn	3	2	2
Other Formations	53	60	51
<b>TOTAL</b>	<b>506</b>	<b>554</b>	<b>361</b>

Sources: DI, NMOCD & TXRRRC

Active Rigs Running: 484

## Occidental's Delaware Basin drilling program yields record wells

Occidental Petroleum drilled a number of high-quality Permian wells during 3Q18, including one that it says is the best well ever drilled on the Texas side of the basin and another on the New Mexico side that it says is a record companywide. Located in Oxy's Greater Barilla Draw area in Reeves County, the State Peck 258-257-1N #11H (9,767-ft lateral) produced 4,289 bo/d and 8,126 Mcf/d, or 5,643 boe/d (78% oil; 578 boe/d per 1,000 lateral ft), from the Wolfcamp on a 52/64-inch choke at 1,150 psi FCP, according to state data (see completion index in this issue). The company said the well peaked at 6,552 boe/d and averaged 4,925 boe/d in the first 30 days, making it the "best well in the Texas Permian Basin" by 30%.

Also during the quarter, the company says it drilled its best well ever. Located in Oxy's Greater Sand Dunes area in Eddy County, the Corral Fly 21H peaked at 8,931 boe/d and averaged 6,722 boe/d in the first 30 days. **➤ Continues On Pg 33**

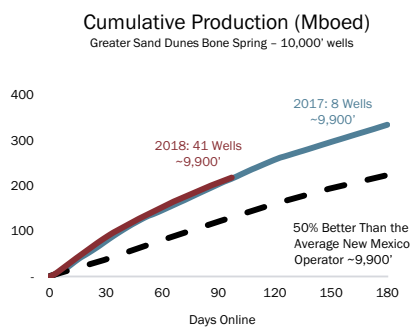
## Anadarko's initial Bone Spring HZ on Silvertip-A delivers

Anadarko Petroleum's 12-well extended lateral campaign in the Silvertip-A area continues to deliver the company's best results in the Delaware Basin. In this issue's data, the Silvertip 76-7 Unit A #7H (10,500-ft lateral) tested at an initial 24-hour rate of 3,702 bo/d and 9,148 Mcf/d, or 5,227 boe/d (77% oil; 498 boe/d per 1,000 lateral ft), from the Third Bone Spring on a 1-inch choke at 1,593 psi FCP. The well ranks as Anadarko's fifth-highest IP24 both on the pad and in the play.

Thus far, results from five wells on the pad have been reported to the state, with the #7H being the first targeting the Bone Spring. The other four horizontals produce from the Wolfcamp A and are outperforming Anadarko's 1.6 MMboe type curve (which assumes 7,500-ft laterals). All located in Loving County, Texas, the five wells average 10,491-ft laterals and IP24s of 5,990 boe/d, or 571 boe/d per 1,000 ft. **➤ Continues On Pg 33**

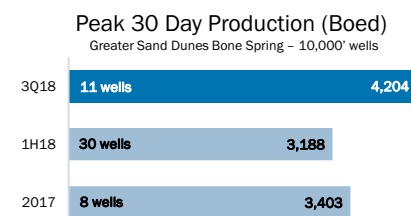
Initial Wolfcamp A producers outperform 1.6 MMboe type curve.

## Oxy's Greater Sand Dunes Delivering Results



### Subsurface Characterization is Driving Basin Leading Results

- Customized development to maximize value
  - > Landing and spacing optimization with seismic data
  - > Value-based well designs
  - > Life of field development plans
- New Oxy Record Permian Well: Corral Fly 35-26 21H
  - > 8,931 Boed Peak 24-hr
  - > 6,722 Boed Peak 30-day
- Continued basin leading Bone Spring results in 3Q:
  - > 27 Wells Online ~7,622 ft
  - > Avg IP 24-hr = 4,045 Boed
  - > Avg IP 30-day = 3,052 Boed
- 71 of the 75 wells online YTD have an offset producing well



Source: Occidental Petroleum January 08, 2019 via PLS docFinder ([www.pls.com/finder](http://www.pls.com/finder))

## DEALS FOR SALE

### BORDEN CO., TX FARMOUT

2-PDP Wells. 30,900-Net Acre Project  
 MIDLAND BASIN SPRABERRY TREND  
 DRILLING HZ WOLF CAMP  
 CONTIGUOUS ACREAGE  
 Proposed 10,000 ft Hz New Drill  
 25% NonOperated WI & 18.75% NRI  
 Original 2 Wells IP30: 190 BOED  
 Est. EUR: 600-800 MBOE per Well  
 2-Mi Horizontal Drill/Comp: \$6.0-\$7.0 MM  
**PP 7485DV**

PP

127 BOED

### SMALL WEST TEXAS LEASE

8-Active Wells. 1-SI. 2-TA'd  
 CANYON SAND PRODUCTION  
 1,254-Acres  
 Located On Eastern Edge Of  
 -- Horseshoe Atoll Penn Reef Complex.  
 ~99% OPERATED WI; 75% NRI  
 Net Production: 13 BOPD  
 Net Cash Flow: ~\$17,140/Mn  
**PP 1345DV**

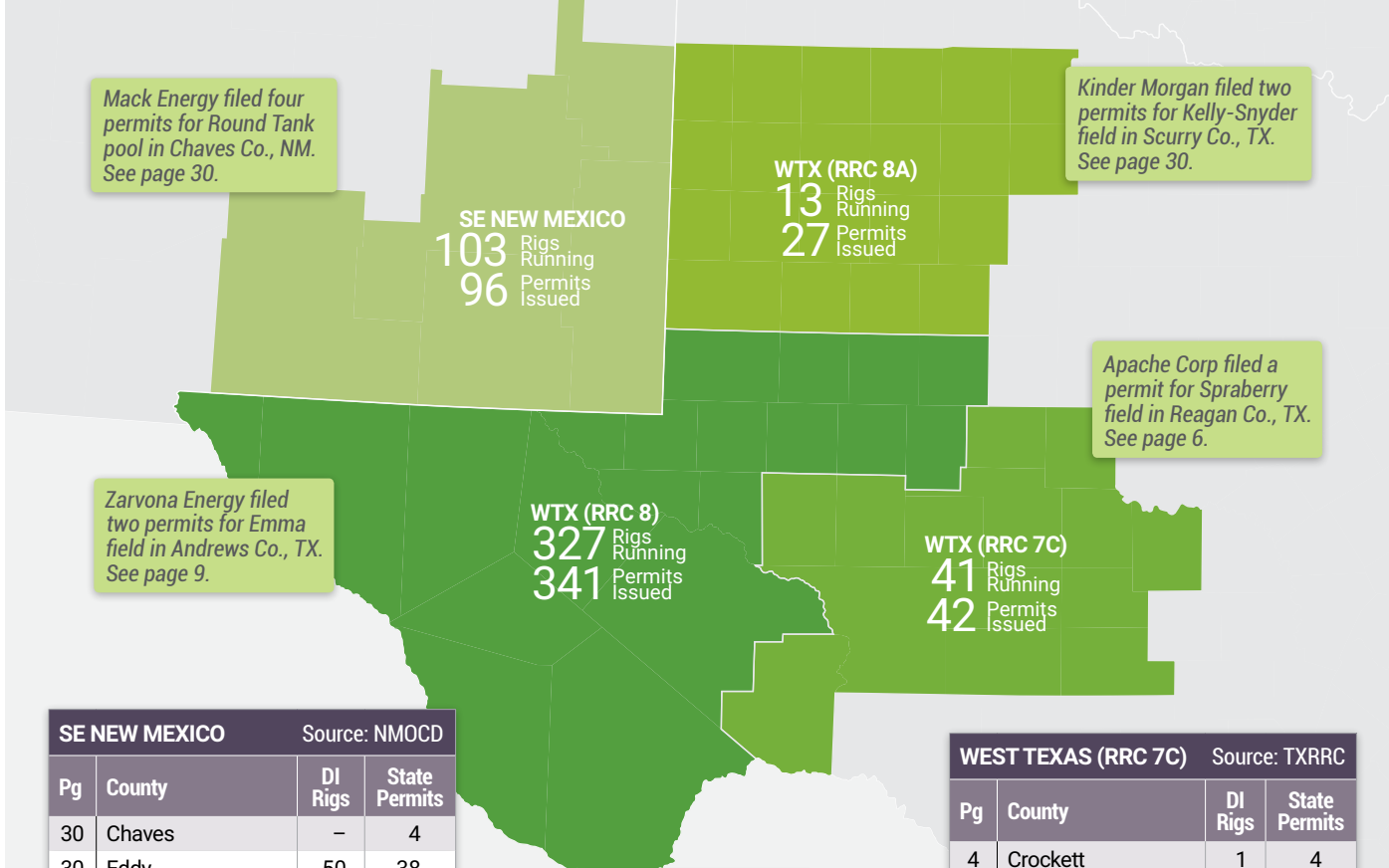
PP

CANYON SAND

# Permian Scout

**Legend** ■ Field/Formation ● Oil ⚡ Gas ⊗ CBM 🚰 Plugged Oil ⚡ Plugged Gas  
 ⚡ Dry Hole 🚰 Injection 🚰 Water Supply ⚡ Observation ⚡ SWD ⚡ Service

**484 Rigs Running / 506 Permits Issued** Rig Count Provided by Drillinginfo



Mack Energy filed four permits for Round Tank pool in Chaves Co., NM. See page 30.

Kinder Morgan filed two permits for Kelly-Snyder field in Scurry Co., TX. See page 30.

Apache Corp filed a permit for Spraberry field in Reagan Co., TX. See page 6.

Zarvona Energy filed two permits for Emma field in Andrews Co., TX. See page 9.

Matador Production filed a permit for two Georges field in Loving Co., TX. See page 15.

**SE NEW MEXICO** Source: NMOCD

Pg	County	DI Rigs	State Permits
30	Chaves	-	4
30	Eddy	50	38
35	Lea	52	53
39	Roosevelt	1	1
<b>TOTALS</b>		<b>103</b>	<b>96</b>

**WEST TEXAS (RRC 7C)** Source: TXRRC

Pg	County	DI Rigs	State Permits
4	Crockett	1	4
4	Irion	1	13
4	McCulloch	-	1
6	Reagan	17	10
8	Runnels	-	-
8	Schleicher	-	2
8	Tom Green	1	1
8	Upton	21	11
<b>TOTALS</b>		<b>41</b>	<b>42</b>

**WEST TEXAS (RRC 8)** Source: TXRRC

Pg	County	DI Rigs	State Permits
9	Andrews	7	13
10	Crane	1	-
10	Culberson	12	10
10	Ector	5	9
11	Glasscock	16	15
12	Howard	18	41
15	Loving	24	35
16	Martin	54	29
18	Midland	52	40
21	Pecos	21	14
21	Reeves	80	88
26	Ward	26	35
27	Winkler	11	12
<b>TOTALS</b>		<b>327</b>	<b>341</b>

**WEST TEXAS (RRC 8A)** Source: TXRRC

Pg	County	DI Rigs	State Permits
28	Borden	1	5
28	Cochran	-	1
28	Dawson	1	1
28	Gaines	2	3
28	Garza	-	1
28	Hockley	4	5
28	Motley	-	2
30	Scurry	2	3
30	Yoakum	3	6
<b>TOTALS</b>		<b>13</b>	<b>27</b>

**Regional Scouts**

The **Permian Scout**, published every two weeks, includes stories and graphics highlighting local drilling activity, discoveries, new developments *plus* stats on drilling permits, completions and P&A activity for West Texas (RRC 7C, 8 & 8A) and Southeast New Mexico.

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**Legend** ■ Field/Formation ● Oil ☆ Gas ⊗ CBM ✎ Plugged Oil ✎ Plugged Gas  
⊖ Dry Hole ✎ Injection ✎ Water Supply △ Observation △ SWD ⊙ Service

## WEST TEXAS (RRC 7C)

### CROCKETT

**O'Ryan O&G. 4 Permits.**

**■ Wyatt Field**

2x 1,500' Permits. Rainmaker 2 #10W (#11W). 42-105-42469 (42470). Inj. GC&SF RR Co/Secrest J O A-4961. 160 Acres. Issued 12/17/18.

2x 2,750' Permits. Todd #9 (#10). 42-105-41667 (41851). O&G. GC&SF RR Co/Seahorn W P A-5195. 320 Acres. Issued 12/17/18.

### IRION

**Fossil Petroleum.** 9,000' Permit. Hamilton #20. 42-235-36354. Wildcat. O&G. Lindley J A-1117. 840 Acres. Issued 12/19/18.

9,000' Permit. Hamilton 'C' #19. 42-235-36360. Wildcat. O&G. Lambrecht F A-164. 40 Acres. Issued 12/20/18.

**Sable Permian Resources Land. 7 HZ Permits.**

**■ Lin Field (Wolfcamp)**

9,000' Permit. Woods 213-216 Alloc 02 #36HS. 42-235-36359. O&G. T&P RR Co A-632. 2,588 Acres. Issued 12/20/18.

9,000' Permit. Woods 213-216 Alloc 04 #31HS. 42-235-36358. O&G. T&P RR Co A-632. 2,588 Acres. Issued 12/20/18.

9,000' Permit. Woods 213-216 Alloc 06 #26HS. 42-235-36357. O&G. T&P RR Co A-632. 2,588 Acres. Issued 12/20/18.

9,000' Permit. Woods 213-216 Alloc 08 #21HS. 42-235-36356. O&G. T&P RR Co A-632. 2,588 Acres. Issued 12/20/18.

9,000' Permit. Woods 213-216 Alloc 10 #16HS. 42-235-36355. O&G. T&P RR Co A-632. 2,588 Acres. Issued 12/20/18.

9,000' Permit. Woods 213-216 Alloc 12 #11HS. 42-235-36352. O&G. T&P RR Co A-632; PBHL A-831. 2,588 Acres. Issued 12/17/18.

9,000' Amended. Woods 213-216 Alloc 14 #06HS. 42-235-36346. O&G. T&P RR Co A-632; PBHL A-831. 2,588 Acres. Issued 12/17/18.

**SEM Operating.** 10,000' Permit. Linthicum B #1WC. 42-235-36353. Lin Field. Wolfcamp. HZ. O&G. C&M RR Co/Kinde L P A-802. 1,595 Acres. Issued 12/18/18.

**Tracker Resource. 3 HZ Permits.**

**■ Spraberry Field (Trend Area)**

7,500' Permit. Barnhart 103S101 #6LU. 42-235-36349. O&G. H&TC RR Co A-406; PBHL A-405. 1,280 Acres. Issued 12/17/18.

7,500' Permit. Barnhart 103S101 #7UM. 42-235-36350. O&G. H&TC RR Co A-406; PBHL A-405. 1,280 Acres. Issued 12/17/18.

7,500' Permit. Barnhart 103S101 #8LU. 42-235-36351. O&G. H&TC RR Co A-406; PBHL A-405. 1,280 Acres. Issued 12/17/18.

### MCCULLOCH

**Callan Operating.** 600' Permit. White Ranch 'A' #2. 42-307-31206. Wildcat. O&G. Sherrer G A-1212. 1,596 Acres. Issued 01/03/19.

## Completion Index (06/13/18 - 12/26/18)

Source: Drillinginfo

County	Operator	Well Name	TD	boe/d	% Oil	Oil Grav	Pg
<b>WEST TEXAS (RRC 7C)</b>							
Reagan	Laredo Petroleum	Sugg-D- #1044SM	23,301	1,351	81%	38°	6
Reagan	Laredo Petroleum	Sugg-D- #1044SU	23,140	599	78%	38°	6
Reagan	Laredo Petroleum	Sugg-D- #1045SM	22,437	1,004	74%	38°	6
Reagan	Laredo Petroleum	Sugg-D- #1045SU	22,290	918	71%	38°	7
Reagan	Laredo Petroleum	Sugg-D- #1046SM	22,113	708	81%	38°	7
Reagan	Laredo Petroleum	Sugg-D- #1048SM	22,130	968	72%	38°	7
Reagan	Pioneer Natural Res	Half 1Q #117H	19,195	1,680	87%	40°	7
Reagan	Pioneer Natural Res	Half 1R #118H	19,165	1,580	86%	40°	7
Runnels	Fossil Petroleum	Garey Ranch #1	3,610	28	0%	-	8
Upton	Apache Corp	Elliott "A" #4SW	11,854	-	-	-	8
Upton	Parsley Energy	Sebastian 19-18-H #4315H	16,678	1,564	84%	42°	8
Upton	Pioneer Natural Res	Brook N-13P #116H	19,701	1,778	86%	40°	8
Upton	Pioneer Natural Res	Brook N-13R #118H	19,738	2,019	87%	40°	8
Upton	Pioneer Natural Res	Half 1D #104H	19,347	1,714	85%	40°	8
Upton	Pioneer Natural Res	Half 1E #105H	19,213	1,704	85%	40°	8
Upton	Pioneer Natural Res	Half 1F #106H	19,272	1,639	85%	40°	8
Upton	Pioneer Natural Res	North Brook NE34 #21H	16,530	1,299	80%	41.7°	8
Upton	Pioneer Natural Res	North Brook NE45S #19H	17,609	1,630	84%	41.7°	8
Upton	Pioneer Natural Res	North Brook NE45T #20H	17,211	1,543	86%	41.7°	8
Upton	Pioneer Natural Res	North Brook NE45U #21H	17,450	3,104	83%	40.7°	8
Upton	Pioneer Natural Res	XBC Giddings Estate #401H	15,726	1,068	87%	40°	8
Upton	Pioneer Natural Res	XBC Giddings Estate #402H	15,727	1,241	85%	40°	8
Upton	Tall City Brine	MidKiff Brine 1	2,200	-	-	-	9
Upton	XTO Energy	Davidson Unit 1 #104BH	20,358	2,460	89%	43.9°	9
Upton	XTO Energy	Davidson Unit 1 #114AH	20,018	1,570	90%	43.9°	9
<b>WEST TEXAS (RRC 8)</b>							
Andrews	Citation O&G	E F King #35	6,218	137	98%	29.2°	9
Andrews	Lime Rock Resources	Kent #315AH	9,324	676	94%	30.4°	9
Andrews	XTO Energy	Fullerton Clear Fork Unit #3412	7,324	123	94%	40.1°	9
Andrews	XTO Energy	Fullerton Clear Fork Unit #6618	7,364	204	82%	41.8°	9
Andrews	XTO Energy	Fullerton Clear Fork Unit #7142	7,253	260	84%	38.6°	9
Andrews	XTO Energy	Fullerton Clear Fork Unit #7914	7,356	73	84%	40.83°	9
Andrews	XTO Energy	Fullerton Clearfork Unit #1802	7,504	172	81%	41.6°	9
Andrews	XTO Energy	Fullerton Clearfork Unit #2415	7,371	217	88%	41.1°	9
Crane	Bam Permian Op	University Roland #1	9,486	267	74%	42°	10
Culberson	Chevron	Hay Bowen 29/32 #34WA	20,000	1,344	62%	50.2°	10
Culberson	Cimarex Energy	Giacomo 11 Fee #4H	12,700	1,491	44%	41.9°	10
Culberson	Cimarex Energy	Grindstone 2 Fee #4H	11,874	1,251	57%	40.9°	10
Ector	ConocoPhillips	Clyde Cowden #298	7,196	-	-	-	10
Ector	ConocoPhillips	Goldsmith Andector Unit R #9	6,499	-	-	-	10
Glasscock	Apache Corp	Cook #21 #17	11,000	14	80%	51°	11
Glasscock	CrownQuest Op	Cadmium Fr Unit 30 #1	11,230	404	80%	39°	11
Glasscock	CrownQuest Op	Ingram Farms A #56	10,624	117	56%	39°	11
Glasscock	Hunt Oil	Harris-Cook 50 #105HA	19,221	1,269	86%	44.3°	11
Glasscock	Hunt Oil	Harris-Cook 50 #105HB	19,564	1,366	83%	43.5°	11
Glasscock	Hunt Oil	Harris-Cook 50 #205HL	18,761	1,226	86%	43.5°	11
Glasscock	Hunt Oil	Harris-Cook 50 #305HB	19,886	809	90%	44.3°	11
Glasscock	Hunt Oil	Harris-Cook 60 #106HA	19,438	1,296	85%	43.4°	11
Glasscock	Parsley Energy	Calverley 36B-25A-A #4801H	19,392	1,454	82%	42°	11
Glasscock	Pioneer Natural Res	Jim Tom E41S #119H	18,806	3,844	90%	39°	12
Glasscock	Pioneer Natural Res	Jim Tom E41T #120H	18,693	2,335	93%	39°	12
Howard	Citation O&G	S T Eason #29	2,725	35	100%	28.1°	12
Howard	Hannathon Petroleum	Click 14 #7	9,805	147	53%	41°	13
Howard	Hannathon Petroleum	GBT 106 #1	9,940	246	80%	43°	13
Howard	Rover Petroleum	G O Chalk #33CF	4,229	-	-	-	15

Continues On Pg 5

**Interested in the full Report?**

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