

PERMIAN BASIN 2016**OIL**

Operator #	Operator Name	Lease Count	Oil Volume (BBL)	Oil Volume Rank
665748	PIONEER NATURAL RES. USA, INC.	2063	59,385,519	1
617544	OCCIDENTAL PERMIAN LTD.	450	42,724,876	2
027200	APACHE CORPORATION	1881	30,252,746	3
945936	XTO ENERGY INC.	957	26,212,279	4
166150	COG OPERATING LLC	913	20,566,829	5
630555	OXY USA WTP LP	444	19,087,391	6
463316	KINDER MORGAN PRODUCTION CO LLC	31	18,647,336	7
148113	CHEVRON U. S. A. INC.	1260	17,027,206	8
252002	ENERGEN RESOURCES CORPORATION	595	16,552,920	9
251691	ENCANA OIL & GAS(USA) INC.	627	14,769,912	10

CONDENSATE

Operator #	Operator Name	Lease Count	Condensate Volume (BBL)	Condensate Volume Rank
153438	CIMAREX ENERGY CO.	365	8,496,213	1
068596	BHP BILLITON PET(TXLA OP) CO	138	6,843,632	2
253162	EOG RESOURCES, INC.	299	5,752,282	3
020528	ANADARKO E&P ONSHORE LLC	2716	4,563,637	4
942623	WPX ENERGY PERMIAN, LLC	58	3,417,562	5
130061	CAPITAN ENERGY, INCORPORATED	45	2,742,207	6
166150	COG OPERATING LLC	913	2,160,052	7
774719	SHELL WESTERN E&P	386	1,733,851	8
172232	CONOCOPHILLIPS COMPANY	381	1,373,248	9
562560	MEWBOURNE OIL COMPANY	93	851,934	10

GAS

Operator #	Operator Name	Lease Count	Gas Volume (MCF)	Gas Volume Rank
153438	CIMAREX ENERGY CO.	365	88,573,080	1
020528	ANADARKO E&P ONSHORE LLC	2716	60,361,008	2
068596	BHP BILLITON PET(TXLA OP) CO	138	40,984,155	3
253162	EOG RESOURCES, INC.	299	37,308,885	4
945936	XTO ENERGY INC.	957	36,259,210	5
252131	ENERVEST OPERATING, L.L.C.	7412	30,890,522	6
166150	COG OPERATING LLC	913	30,500,992	7
148113	CHEVRON U. S. A. INC.	1260	20,769,828	8
130061	CAPITAN ENERGY, INCORPORATED	45	20,550,558	9
942623	WPX ENERGY PERMIAN, LLC	58	18,785,713	10

CASINGHEAD GAS

Operator #	Operator Name	Lease Count	Casinghead Volume (MCF)	Casinghead Volume Rank
027200	APACHE CORPORATION	1881	120,455,151	1
665748	PIONEER NATURAL RES. USA, INC.	2063	118,492,163	2
153438	CIMAREX ENERGY CO.	365	98,405,801	3
166150	COG OPERATING LLC	913	97,426,077	4
020528	ANADARKO E&P ONSHORE LLC	2716	82,594,761	5
945936	XTO ENERGY INC.	957	78,983,670	6
617544	OCCIDENTAL PERMIAN LTD.	450	64,166,098	7
463316	KINDER MORGAN PRODUCTION CO LLC	31	63,542,367	8
253162	EOG RESOURCES, INC.	299	62,627,555	9
486610	LAREDO PETROLEUM, INC.	374	56,890,836	10

PERMIAN BASIN 2017**OIL**

Operator #	Operator Name	Lease Count	Oil Volume (BBL)	Oil Volume Rank
665748	PIONEER NATURAL RES. USA, INC.	2155	73,114,056	1
617544	OCCIDENTAL PERMIAN LTD.	450	39,684,901	2
166150	COG OPERATING LLC	843	33,745,727	3
945936	XTO ENERGY INC.	1190	27,689,349	4
027200	APACHE CORPORATION	1912	27,544,812	5
217012	DIAMONDBACK E&P LLC	450	26,881,352	6
252002	ENERGEN RESOURCES CORPORATION	600	21,753,331	7
642652	PARSLEY ENERGY OPERATIONS, LLC	752	21,693,195	8
630555	OXY USA WTP LP	512	21,411,928	9
251691	ENCANA OIL & GAS(USA) INC.	661	20,384,658	10

CONDENSATE

Operator #	Operator Name	Lease Count	Condensate Volume (BBL)	Condensate Volume Rank
153438	CIMAREX ENERGY CO.	405	12,915,754	1
020528	ANADARKO E&P ONSHORE LLC	756	8,149,382	2
253162	EOG RESOURCES, INC.	313	7,242,040	3
068596	BHP BILLITON PET(TXLA OP) CO	148	5,568,398	4
942623	WPX ENERGY PERMIAN, LLC	77	4,040,912	5
703352	RESOLUTE NATURAL RES. CO., LLC	79	3,486,569	6
130061	CAPITAN ENERGY, INCORPORATED	56	2,996,980	7
714221	RKI EXPLORATION & PRODUCTION LLC	262	2,752,191	8
774719	SHELL WESTERN E&P	383	2,427,702	9
166150	COG OPERATING LLC	843	2,424,598	10

GAS

Operator #	Operator Name	Lease Count	Gas Volume (MCF)	Gas Volume Rank
153438	CIMAREX ENERGY CO.	405	125,157,637	1
020528	ANADARKO E&P ONSHORE LLC	756	63,023,155	2
253162	EOG RESOURCES, INC.	313	48,601,554	3
027200	APACHE CORPORATION	1912	39,209,573	4
068596	BHP BILLITON PET(TXLA OP) CO	148	37,326,202	5
945936	XTO ENERGY INC.	1190	36,041,045	6
166150	COG OPERATING LLC	843	35,452,730	7
252131	ENERVEST OPERATING, L.L.C.	7404	28,217,666	8
148113	CHEVRON U. S. A. INC.	1324	27,191,493	9
130061	CAPITAN ENERGY, INCORPORATED	56	25,548,301	10

CASINGHEAD GAS

Operator #	Operator Name	Lease Count	Casinghead Volume (MCF)	Casinghead Volume Rank
665748	PIONEER NATURAL RES. USA, INC.	2155	159,222,440	1
153438	CIMAREX ENERGY CO.	405	137,103,835	2
027200	APACHE CORPORATION	1912	133,997,189	3
166150	COG OPERATING LLC	843	122,379,696	4
020528	ANADARKO E&P ONSHORE LLC	756	97,555,492	5
945936	XTO ENERGY INC.	1190	91,268,450	6
253162	EOG RESOURCES, INC.	313	70,923,544	7
486610	LAREDO PETROLEUM, INC.	402	69,690,335	8
252002	ENERGEN RESOURCES CORPORATION	600	66,617,395	9
463316	KINDER MORGAN PRODUCTION CO LLC	32	63,234,363	10

PERMIAN BASIN 2018

OIL

Operator #	Operator Name	Lease Count	Oil Volume (BBL)	Oil Volume Rank
665748	PIONEER NATURAL RES. USA, INC.	2164	92,452,828	1
166150	COG OPERATING LLC	1049	53,288,011	2
217012	DIAMONDBACK E&P LLC	618	40,785,493	3
945936	XTO ENERGY INC.	1256	39,710,186	4
617544	OCCIDENTAL PERMIAN LTD.	459	38,572,228	5
642652	PARSLEY ENERGY OPERATIONS, LLC	839	32,066,823	6
027200	APACHE CORPORATION	2057	29,517,796	7
251691	ENCANA OIL & GAS(USA) INC.	724	28,589,624	8
252002	ENERGEN RESOURCES CORPORATION	657	27,821,118	9
148113	CHEVRON U. S. A. INC.	1535	25,945,179	10

CONDENSATE

Operator #	Operator Name	Lease Count	Condensate Volume (BBL)	Condensate Volume Rank
153438	CIMAREX ENERGY CO.	443	15,451,994	1
020528	ANADARKO E&P ONSHORE LLC	765	15,292,658	2
253162	EOG RESOURCES, INC.	382	13,020,493	3
942623	WPX ENERGY PERMIAN, LLC	391	10,029,702	4
068596	BHP BILLITON PET(TXLA OP) CO	177	7,852,104	5
148113	CHEVRON U. S. A. INC.	1535	6,136,588	6
703352	RESOLUTE NATURAL RES. CO., LLC	136	6,081,957	7
027200	APACHE CORPORATION	2057	5,115,555	8
141077	CENTENNIAL RESOURCE PROD, LLC	226	4,463,475	9
130061	CAPITAN ENERGY, INCORPORATED	74	4,207,182	10

GAS

Operator #	Operator Name	Lease Count	Gas Volume (MCF)	Gas Volume Rank
027200	APACHE CORPORATION	2057	154,429,242	1
153438	CIMAREX ENERGY CO.	443	153,270,508	2
253162	EOG RESOURCES, INC.	382	91,467,224	3
020528	ANADARKO E&P ONSHORE LLC	765	84,999,254	4
148113	CHEVRON U. S. A. INC.	1535	64,397,001	5
942623	WPX ENERGY PERMIAN, LLC	391	59,232,803	6
068596	BHP BILLITON PET(TXLA OP) CO	177	47,526,756	7
703352	RESOLUTE NATURAL RES. CO., LLC	136	42,028,266	8
130061	CAPITAN ENERGY, INCORPORATED	74	35,605,253	9
141077	CENTENNIAL RESOURCE PROD, LLC	226	34,951,852	10

CASINGHEAD GAS

Operator #	Operator Name	Lease Count	Casinghead Volume (MCF)	Casinghead Volume Rank
027200	APACHE CORPORATION	2057	254,791,515	1
665748	PIONEER NATURAL RES. USA, INC.	2164	205,393,282	2
166150	COG OPERATING LLC	1049	165,980,738	3
153438	CIMAREX ENERGY CO.	443	160,993,405	4
020528	ANADARKO E&P ONSHORE LLC	765	137,902,791	5
253162	EOG RESOURCES, INC.	382	118,145,901	6
148113	CHEVRON U. S. A. INC.	1535	106,579,544	7
945936	XTO ENERGY INC.	1256	104,419,932	8
252002	ENERGEN RESOURCES CORPORATION	657	91,331,649	9
486610	LAREDO PETROLEUM, INC.	418	87,188,168	10

PERMIAN BASIN 2019**OIL**

Operator #	Operator Name	Lease Count	Oil Volume (BBL)	Oil Volume Rank
665748	PIONEER NATURAL RES. USA, INC.	2374	106,150,294	1
217012	DIAMONDBACK E&P LLC	1482	82,759,316	2
166150	COG OPERATING LLC	1082	68,761,054	3
945936	XTO ENERGY INC.	1354	60,333,098	4
642652	PARSLEY ENERGY OPERATIONS, LLC	861	39,302,229	5
251726	ENDEAVOR ENERGY RESOURCES L.P.	2074	37,606,231	6
148113	CHEVRON U. S. A. INC.	1269	34,862,251	7
617544	OCCIDENTAL PERMIAN LTD.	471	33,996,113	8
251691	ENCANA OIL & GAS(USA) INC.	733	31,392,049	9
027200	APACHE CORPORATION	2124	30,455,416	10

CONDENSATE

Operator #	Operator Name	Lease Count	Condensate Volume (BBL)	Condensate Volume Rank
020528	ANADARKO E&P ONSHORE LLC	827	28,323,811	1
153438	CIMAREX ENERGY CO.	427	21,428,979	2
942623	WPX ENERGY PERMIAN, LLC	438	16,892,046	3
253162	EOG RESOURCES, INC.	447	16,227,703	4
148113	CHEVRON U. S. A. INC.	1269	10,698,946	5
027200	APACHE CORPORATION	2124	6,240,594	6
703352	RESOLUTE NATURAL RES. CO., LLC	133	5,747,642	7
085408	BPX OPERATING COMPANY	211	5,435,529	8
172232	CONOCOPHILLIPS COMPANY	232	5,236,804	9
135317	CARRIZO (PERMIAN) LLC	170	4,681,991	10

GAS

Operator #	Operator Name	Lease Count	Gas Volume (MCF)	Gas Volume Rank
027200	APACHE CORPORATION	2124	222,230,535	1
153438	CIMAREX ENERGY CO.	427	215,149,429	2
020528	ANADARKO E&P ONSHORE LLC	827	153,463,382	3
253162	EOG RESOURCES, INC.	447	116,429,625	4
942623	WPX ENERGY PERMIAN, LLC	438	107,326,610	5
148113	CHEVRON U. S. A. INC.	1269	102,276,560	6
703352	RESOLUTE NATURAL RES. CO., LLC	133	52,475,748	7
646832	PDC PERMIAN, INC.	120	41,446,178	8
135317	CARRIZO (PERMIAN) LLC	170	40,879,770	9
130061	CAPITAN ENERGY, INCORPORATED	84	39,905,440	10

CASINGHEAD GAS

Operator #	Operator Name	Lease Count	Casinghead Volume (MCF)	Casinghead Volume Rank
027200	APACHE CORPORATION	2,124	329,513,975	1
665748	PIONEER NATURAL RES. USA, INC.	2,374	256,455,028	2
153438	CIMAREX ENERGY CO.	427	219,418,673	3
020528	ANADARKO E&P ONSHORE LLC	827	214,604,035	4
166150	COG OPERATING LLC	1,082	209,552,372	5
217012	DIAMONDBACK E&P LLC	1,482	194,276,983	6
945936	XTO ENERGY INC.	1,354	172,447,342	7
148113	CHEVRON U. S. A. INC.	1,269	155,089,129	8
253162	EOG RESOURCES, INC.	447	151,222,524	9
486610	LAREDO PETROLEUM, INC.	487	112,154,066	10

PERMIAN BASIN 2020**OIL**

Operator #	Operator Name	Lease Count	Oil Volume (BBL)	Oil Volume Rank
665748	PIONEER NATURAL RES. USA, INC.	2484	107,649,132	1
217012	DIAMONDBACK E&P LLC	1550	81,624,452	2
945936	XTO ENERGY INC.	1366	64,419,198	3
166150	COG OPERATING LLC	1092	63,184,150	4
642652	PARSLEY ENERGY OPERATIONS, LLC	991	49,864,918	5
251726	ENDEAVOR ENERGY RESOURCES L.P.	2009	46,047,907	6
617544	OCCIDENTAL PERMIAN LTD.	468	34,378,938	7
148113	CHEVRON U. S. A. INC.	1248	30,172,191	8
788997	SM ENERGY COMPANY	448	28,621,556	9
020528	ANADARKO E&P ONSHORE LLC	835	27,378,257	10

CONDENSATE

Operator #	Operator Name	Lease Count	Condensate Volume (BBL)	Condensate Volume Rank
020528	ANADARKO E&P ONSHORE LLC	835	33,876,443	1
153438	CIMAREX ENERGY CO.	445	18,696,545	2
148113	CHEVRON U. S. A. INC.	1248	18,622,135	3
942623	WPX ENERGY PERMIAN, LLC	650	17,562,827	4
253162	EOG RESOURCES, INC.	573	16,761,750	5
085408	BPX OPERATING COMPANY	234	10,502,182	6
172232	CONOCOPHILLIPS COMPANY	222	5,846,973	7
703352	RESOLUTE NATURAL RES. CO., LLC	144	4,850,832	8
124807	CALLON (PERMIAN) LLC	160	4,553,830	9
027200	APACHE CORPORATION	2093	4,504,533	10

GAS

Operator #	Operator Name	Lease Count	Gas Volume (MCF)	Gas Volume Rank
153438	CIMAREX ENERGY CO.	445	210,594,099	1
027200	APACHE CORPORATION	2093	202,067,095	2
020528	ANADARKO E&P ONSHORE LLC	835	188,387,733	3
148113	CHEVRON U. S. A. INC.	1248	161,136,611	4
253162	EOG RESOURCES, INC.	573	127,219,543	5
942623	WPX ENERGY PERMIAN, LLC	650	117,092,283	6
085408	BPX OPERATING COMPANY	234	65,538,575	7
703352	RESOLUTE NATURAL RES. CO., LLC	144	45,313,719	8
124807	CALLON (PERMIAN) LLC	160	44,167,010	9
646832	PDC PERMIAN, INC.	108	39,959,276	10

CASINGHEAD GAS

Operator #	Operator Name	Lease Count	Casinghead Volume (MCF)	Casinghead Volume Rank
665748	PIONEER NATURAL RES. USA, INC.	2,484	300,778,528	1
217012	DIAMONDBACK E&P LLC	1,550	245,271,054	2
945936	XTO ENERGY INC.	1,366	195,622,419	3
166150	COG OPERATING LLC	1,092	187,157,796	4
642652	PARSLEY ENERGY OPERATIONS, LLC	991	132,462,219	5
486610	LAREDO PETROLEUM, INC.	533	121,748,545	6
251726	ENDEAVOR ENERGY RESOURCES L.P.	2,009	108,493,257	7
027200	APACHE CORPORATION	2,093	108,449,948	8
742251	SABLE PERMIAN RESOURCES, LLC	496	81,371,189	9
628658	OVINTIV USA INC.	764	78,390,012	10