

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION COMMISSION**

**IN THE MATTER OF THE APPLICATIONS OF
MARATHON OIL PERMIAN, LLC FOR COMPULSORY POOLING**

DE NOVO HEARING OF ORDER NO. R-21251

**COMMISSION CASE NOS. 21273 AND 21274
DIVISION CASE NOS. 20865 AND 20866**

Supplemental Exhibits

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From: Rutley, James S <JRutley@blm.gov>
Sent: Thursday, April 16, 2020 5:41 PM
To: Hall, Brian (MRO) <bhall@marathonoil.com>
Subject: [External] Valkyrie Development Area

Beware of links/attachments.
Good Evening Brian,

Under the provisions of Secretary's Order 3324, the BLM will cooperate with the NMOCD in the implementation of that agency's rules and regulations. Therefore, in observation of NMOCD's Order 21251 regarding the Valkyrie Development Area giving Marathon Oil Corporation the right to develop fluid minerals in all of Sections 12 in T23S R28E and Section 7 in T23S R29E, the BLM has approved the Valkyrie Development Area. The Development Area has been assigned DA-2020-025.

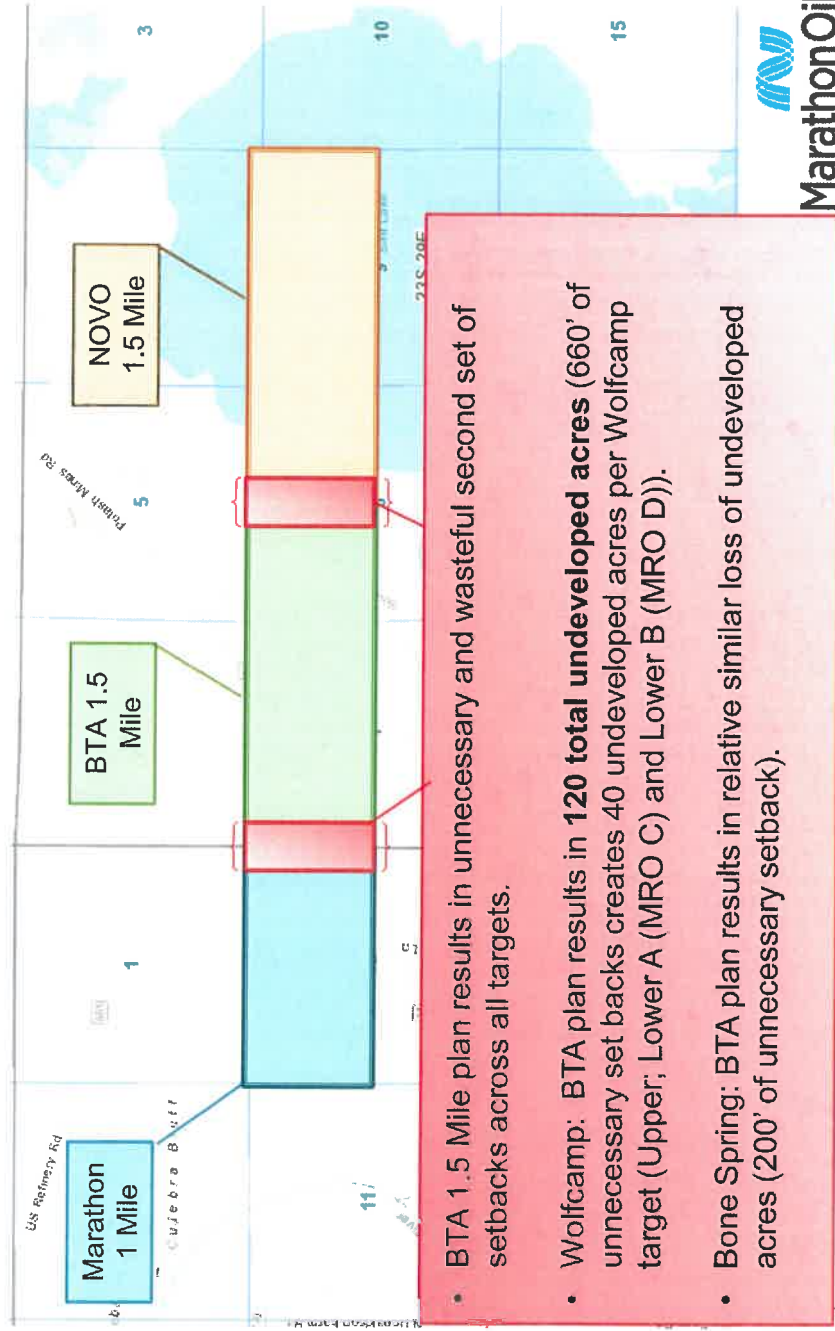
A notice to lessees (NTL) will be sent in the future to lessees affected by this action.

Thanks,

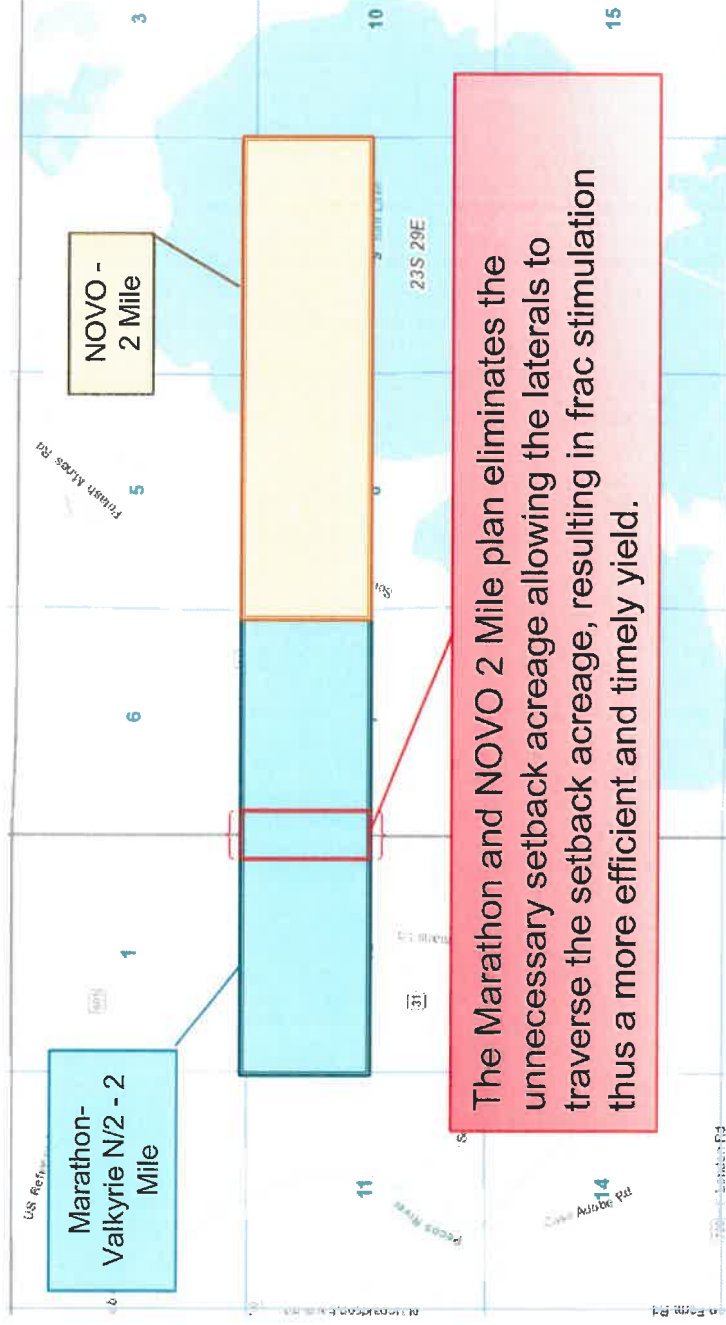
Jim



BTA 1.5 Mile Development Plan: Requires Unnecessary Second Set of Setbacks Across All Targets Which Results in Undeveloped Acreage



Marathon/NOVO 2 Mile Development Plan: Intentionally Exploits Setback Acreage



Comparison of BTA/Marathon Well Numbers/Setback Feet (Upper and Lower Wolfcamp combined)

Setback Feet Under BTA 1.5 Mile Plan*				
Target	Setback length	Number of wells needed to cover acreage*	Setback feet per well	Total setback feet per target
Second Bone Spring	100	3	200	600
Upper Wolfcamp	330	5	660	3300
Lower Wolfcamp	330	7	660	4620
Total		15		8520

*Assumes Marathon 1 mile laterals covering N/2 Section 12; BTA 1.5 mile laterals covering N/2 Section 7 and N/W Section 8.

Setback Feet Under Marathon 2 Mile Plan**				
Target	Setback length	Number of wells needed to cover acreage*	Setback feet per well	Total feet per target
Second Bone Spring	100	2	200	400
Upper Wolfcamp	330	3	660	1980
Lower Wolfcamp	330	3	660	1980
Total		8		4360

** Assumes Marathon 2 mile laterals covering N/2 Sections 12 and 7; BTA 1 mile Bone Spring laterals covering N/2 Section 7.



MarathonOil™

Setback Feet: Differences Between Plans and Additional Recoverable BOE

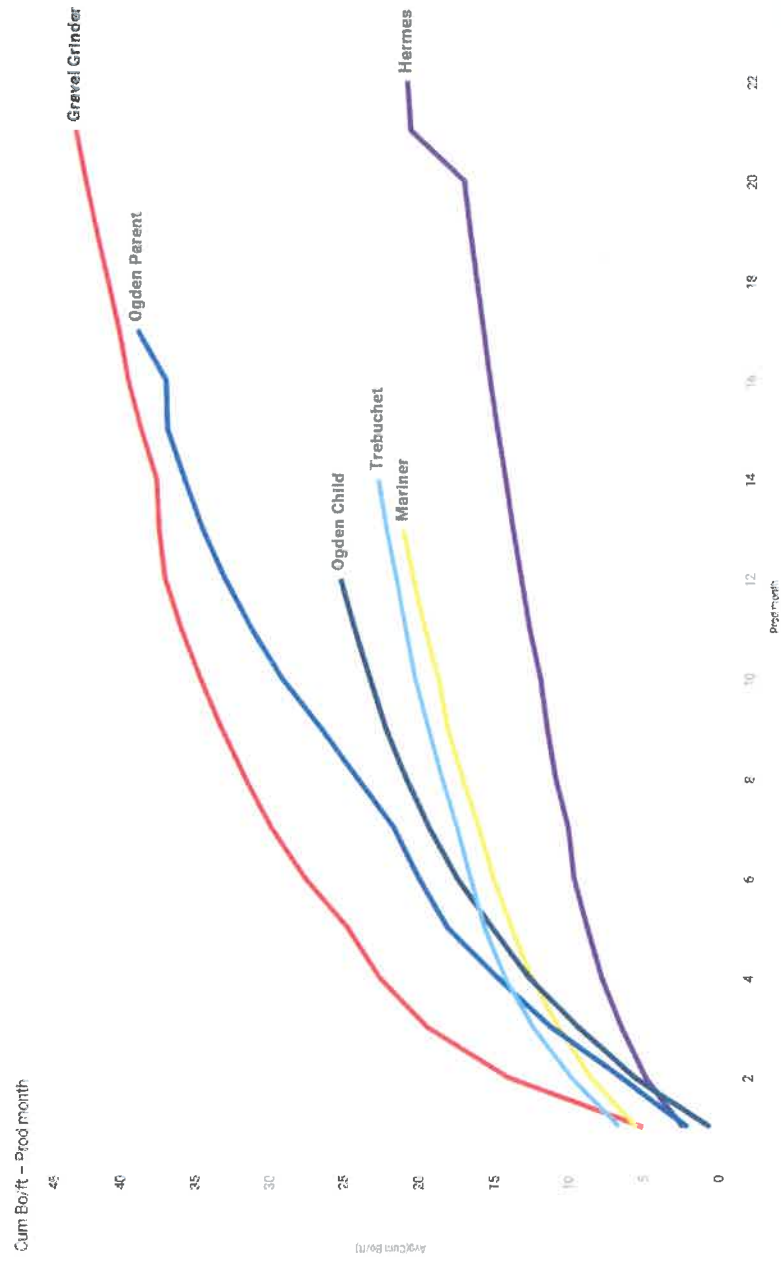
Target	BTA Proposal Total Setback Feet	MRO Proposal Total Setback Feet	Delta	Average 1-year BOE/ft	Additional Average BOE Recovered
Second Bone Spring*	600	400	200	17.81	3,562
Upper Wolfcamp**	3300	1980	1320	41.63	5,4952
Lower Wolfcamp***	4620	1980	1320	57.40	75,768
Total	8520	4360	4160		134,282

* Second Bone Spring BOE/ft is an average of 4 RKI Longview wells

** Upper Wolfcamp BOE/ft is an average of 4 Ogden wells

*** Lower Wolfcamp BOE/ft is an average of 4 Fiddle Fee wells

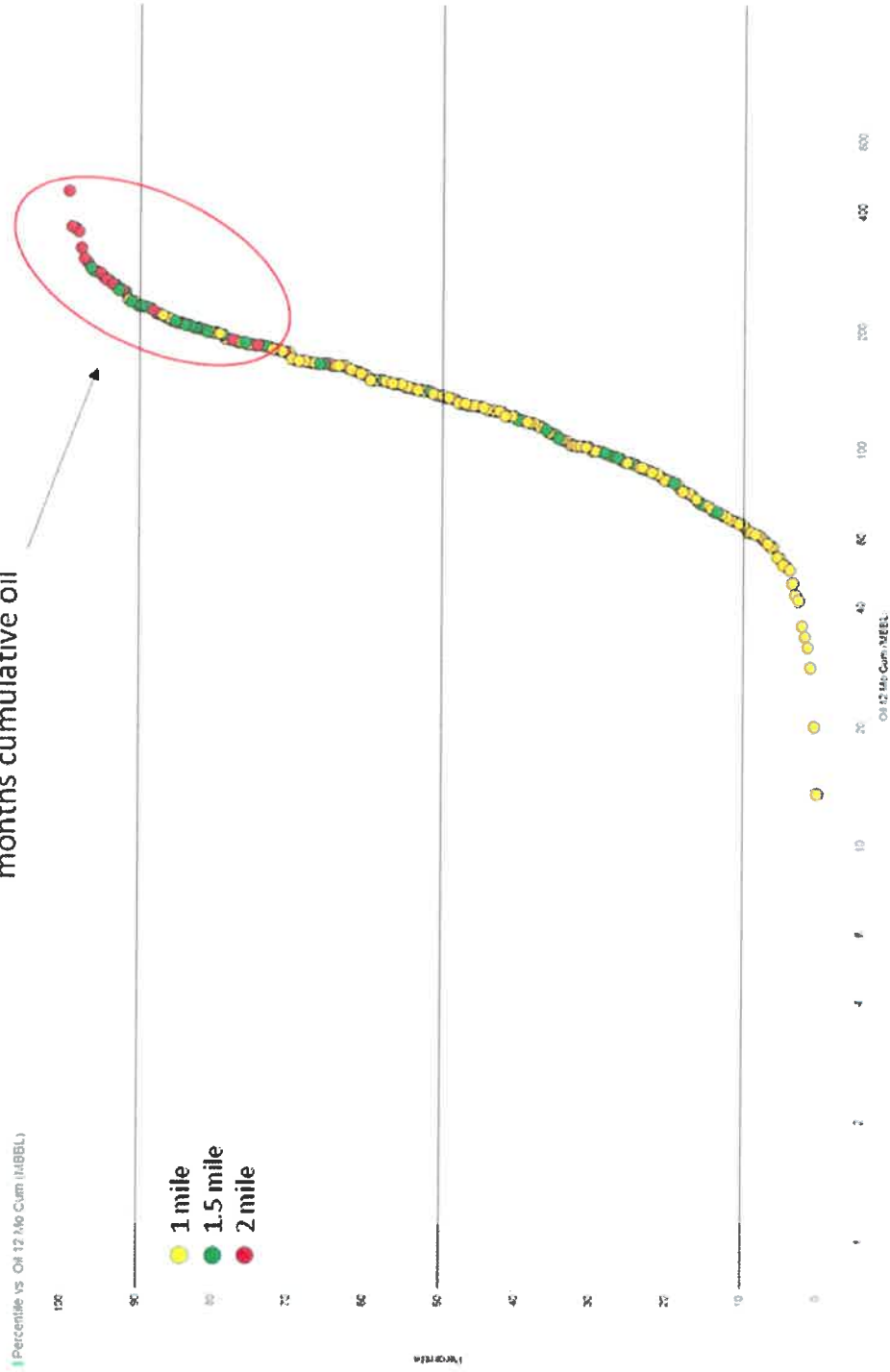
Ogden Parent Child Effect



Additional Examples of Parent Child Effect

Well	LL, ft	12 months Bo/ft	Generation
HARROUN RANCH FEDERAL COM 20702			
2H	9600	18.9	PARENT
HARROUN RANCH FEDERAL COM 20702			
4H	9815	16.9	INFILL
B BANKER 33 23S 28E RB 206H	4345	12.2	INFILL
B BANKER 33 23S 28E RB 221H	4251	15.4	PARENT
LOVING TOWNSITE 21 W2PA FEE 1H	4613	18.1	PARENT
SPEEDWAGON 27 W2DM FEE 1H	4340	22.2	PARENT
SPEEDWAGON 27 W2PA FEE 1H	4679	19.5	INFILL
WHITESNAKE 20 21 W2BC FEE 1H	4536	16.0	INFILL

Longer laterals have higher 12 months cumulative oil



Well data included in spreadsheet that follows.

Marathon Oil

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015442310000	REMUDA NORTH 25 STATE 902H	XTO ENERGY INC	7670	2457.887875	48.842944	TBSG_Lower	10/10/2018
30015442340000	REMUDA NORTH 25 STATE 904H	XTO ENERGY INC	7403	2520.329596	46.90675	TBSG_Lower	9/24/2018
30015443060000	REMUDA NORTH 25 STATE 121H	XTO ENERGY INC	7309	2402.517444	45.085974	WFMP_A	10/11/2018
30015443070000	REMUDA NORTH 25 STATE 122H	XTO ENERGY INC	7260	2500.275482	46.172544	WFMP_A	10/10/2018
30015443080000	REMUDA NORTH 25 STATE 123H	XTO ENERGY INC	7295	2516.792324	45.796599	WFMP_A	9/24/2018
30015443100000	REMUDA NORTH 25 STATE 124H	XTO ENERGY INC	7203	2365.403304	46.547999	WFMP_A	10/10/2018
30015443130000	REMUDA NORTH 25 STATE 101H	XTO ENERGY INC	7413	2475.92068	46.166869	WFMP_X-Y	10/10/2018
30015443140000	REMUDA NORTH 25 STATE 103H	XTO ENERGY INC	7295	2521.17889	48.489964	WFMP_X-Y	9/25/2018
30015442260000	REMUDA SOUTH 25 STATE 902H	XTO ENERGY INC	7548	2536.036036	50.355667	TBSG_Lower	2/26/2019
30015442520000	REMUDA SOUTH 25 STATE 904H	XTO ENERGY INC	7503	2517.126483	49.458642	TBSG_Lower	11/26/2018
30015443590000	REMUDA SOUTH 25 STATE 103H	XTO ENERGY INC	7286	2438.923964	52.210168	WFMP_X-Y	11/26/2018
30015443610000	REMUDA SOUTH 25 STATE 121H	XTO ENERGY INC	5853	2474.628396	47.634986	WFMP_A	2/27/2019
30015443640000	REMUDA SOUTH 25 STATE 101H	XTO ENERGY INC	5853	2462.668717	51.652754	WFMP_X-Y	3/18/2019
30015443890000	REMUDA SOUTH 25 STATE 123H	XTO ENERGY INC	7272	2508.525853	49.186783	WFMP_A	11/26/2018
30015443900000	REMUDA SOUTH 25 STATE 124H	XTO ENERGY INC	7172	2498.047964	46.354069	WFMP_A	11/26/2018
30015452610000	CYPRESS 34 23S29E3434 234H	TAP ROCK OPERATING LLC	4617	2499.025341	58.411177	WFMP_C2	4/9/2019
30015452620000	CYPRESS 34 23S29E3434 236H	TAP ROCK OPERATING LLC	4575	2487.868852	58.923955	WFMP_C2	4/9/2019
30015452630000	CYPRESS 34 23S29E3434 244H	TAP ROCK OPERATING LLC	4583	2433.777002	80.698544	WFMP_D2	4/9/2019
300154445010000	HERMES FEE 23-28-30 WA 001H	MARATHON OIL PERMIAN LLC	4156	2485.081809	42.217036	WFMP_A	8/16/2018
300154445020000	HERMES FEE 23-28-30 WXY 005H	MARATHON OIL PERMIAN LLC	4100	2467.317073	35.873659	WFMP_X-Y	8/17/2018
300154445030000	HERMES FEE 23-28-30 TB 003H	MARATHON OIL PERMIAN LLC	4628	1520.31115	19.47121	TBSG_Lower	8/16/2018
300154446060000	HERMES FEE 23-28-30 TB 009H	MARATHON OIL PERMIAN LLC	2697	1620.318873	19.077679	TBSG_Lower	8/16/2018
30015446070000	HERMES 23-28-30 WA FEE 010H	MARATHON OIL PERMIAN LLC	4261	2523.820699	0.1024407	WFMP_A	8/17/2018
30015455540000	HEIGHT CC '6-7' FEDERAL COM 032H	OXY USA INC	9773	1505.576589	24.608616	WFMP_X-Y	8/7/2019
30015455610000	HEIGHT CC '6-7' FEDERAL COM 033H	OXY USA INC	10008	0	0	WFMP_A	
30015455620000	HEIGHT CC '6-7' FEDERAL COM 034H	OXY USA INC	10009	0	0	WFMP_A	
30015455630000	HEIGHT CC '6-7' FEDERAL COM 035H	OXY USA INC	9541	1543.02484	43.195093	WFMP_X-Y	
30015455720000	HEIGHT CC '6-7' FEDERAL COM 312H	OXY USA INC	10141	1354.10709	27.046396	TBSG_Lower	8/27/2019
30015456300000	HEIGHT CC '6-7' FEDERAL COM 311H	OXY USA INC	10161	1538.431257	28.489322	TBSG_Lower	8/17/2019
30015457700000	HEIGHT CC '6-7' FEDERAL COM 031Y	OXY USA INC	10010	1960.03996	35.669431	WFMP_A	7/22/2019

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015450680000	PRINCE 31 W0DA FEDERAL COM 001H	MEWBOURNE OIL	4413	2518.921369	60.419443	WFMP_X-Y	1/18/2019
30015450690100	PRINCE 31 W1DA FEDERAL COM 002H	MEWBOURNE OIL	4413	2495.354634	60.25058	WFMP_A	1/18/2019
30015451800000	GARRETT FEDERAL COM 002H	MATADOR PRODUCTION CO	4526	2751.215201	52.10981	WFMP_X-Y	12/2/2018
30015444180000	GARRETT STATE COM 201H	MATADOR PRODUCTION CO	4279	2859.546623	37.239892	WFMP_X-Y	2/3/2018
30015444580000	GARRETT STATE COM 215H	MATADOR PRODUCTION CO	4361	2920.431094	37.420606	WFMP_A	2/5/2018
30015427280000	BLACK RIVER 10 STATE COM 002H	MARATHON OIL PERMIAN LLC	9714	2443.071855	44.788656	WFMP_A	3/4/2018
30015438270000	WARREN 25-23S-27E RB 203H	MATADOR PRODUCTION CO	4334	2839.409322	36.654086	WFMP_X-Y	5/7/2017
30015438280000	WARREN FEDERAL COM 206H	MATADOR PRODUCTION CO	4355	2824.339839	36.520447	WFMP_X-Y	5/27/2017
30015439590000	BLACK RIVER 15-10 STATE COM X 004H	MARATHON OIL PERMIAN LLC	8478	2673.271998	55.986789	WFMP_X-Y	5/1/2017
30015439600000	BLACK RIVER 15-10 STATE COM 003H	MARATHON OIL PERMIAN LLC	9258	2589.328149	35.696587	WFMP_X-Y	5/28/2018
30015440690000	BLACK RIVER 15 10 STATE COM X 006H	MARATHON OIL PERMIAN LLC	9604	2578.925448	45.016451	TBSG_Lower	3/2/2018
30015441650000	EL PRESIDENTE STATE X 004H	MARATHON OIL PERMIAN LLC	4654	2515.685432	52.21272	WFMP_X-Y	9/28/2017
30015443280000	SOUTHERN COMFORT 25-36 STATE X 002H	MARATHON OIL PERMIAN LLC	6962	2519.965527	46.514938	WFMP_X-Y	11/16/2017
30015443320000	SOUTHERN COMFORT 25 36 STATE X 001H	MARATHON OIL PERMIAN LLC	7010	2534.950071	49.500571	WFMP_X-Y	11/18/2017
30015450350000	FIDDLE FEE 24-28-23 WD 003H	MARATHON OIL PERMIAN LLC	4739	2680.734332	0.073594	WFMP_C2	11/21/2018
30015450360000	FIDDLE 24-28-23 WD FEE 004H	MARATHON OIL PERMIAN LLC	4738	2815.111862	51.934466	WFMP_D2	11/21/2018
30015450370000	FIDDLE FEE 24-28-23 WD 007H	MARATHON OIL PERMIAN LLC	4728	2615.905245	46.808854	WFMP_C2	11/21/2018
30015450380000	FIDDLE FEE 24-28-23 WD 008H	MARATHON OIL PERMIAN LLC	4734	2809.04098	0.0806426	WFMP_D2	11/21/2018
30015448310000	SOUTHERN COMFORT STATE 24 28 25 WA 005H	MARATHON OIL PERMIAN LLC	6732	2451.871658	37.760175	WFMP_A	11/14/2018

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015448320000	SOUTHERN COMFORT STATE 24-28-25 TB 006H	MARATHON OIL PERMIAN LLC	7254	1538.461538	21.354048	TBSG_Lower	11/2/2018
30015444830000	EL PRESIDENTE STATE 24 27 2 WA 005H	MARATHON OIL PERMIAN LLC	4331	2560.609559	38.332487	WFMP_A	7/1/2018
30015444840000	EL PRESIDENTE STATE 24 27 2 TB 006H	MARATHON OIL PERMIAN LLC	4395	2663.481229	35.99727	TBSG_Lower	7/1/2018
30015444850000	EL PRESIDENTE STATE 24 27 2 WXY 010H	MARATHON OIL PERMIAN LLC	4286	2489.967336	34.643724	WFMP_X-Y	7/1/2018
30015445660000	MARINER FEE 23-28-20 WA 014H	MARATHON OIL PERMIAN LLC	4419	2541.751527	29.007015	WFMP_A	4/24/2019
30015445670000	MARINER FEE 23-28-20 WXY 011H	MARATHON OIL PERMIAN LLC	4206	2587.731812	28.150143	WFMP_X-Y	4/23/2019
30015445680000	MARINER FEE 23-28-20 WXY 018H	MARATHON OIL PERMIAN LLC	4256	2639.097744	31.017801	WFMP_X-Y	4/26/2019
30015413090000	YARDBIRDS 34 W2NC FEE 1H	MEWBOURNE OIL	4570	2397.811816	63.6593	WFMP_D2	7/1/2016
30015434640100	YARDBIRDS 34 W2OB FEE 1H	MEWBOURNE OIL	4361	1652.373309	47.131163	WFMP_D2	6/12/2016
30015442460000	MCCORMICK ZACH FEDERAL COM 206H	MATADOR PRODUCTION CO	4419	2857.660104	62.408701	WFMP_X-Y	8/21/2018
30015442470000	MCCORMICK ZACH FED COM 201H	MATADOR PRODUCTION CO	4222	3023.211748	39.36973	WFMP_X-Y	4/29/2018
30015442540000	MCCORMICK ZACH FED 202H	MATADOR PRODUCTION CO	4642	2720.379147	35.842309	WFMP_A	8/16/2018
30015442600000	CHICAGO 9 8 W0HE FEE COM 001H	MEWBOURNE OIL	9629	2381.971129	59.444332	WFMP_X-Y	11/27/2018
30015442610000	CHICAGO 9-8 W0IL FEE 001H	MEWBOURNE OIL	9519	2414.329236	60.823981	WFMP_X-Y	11/27/2018
30015442640000	FLEETWOOD 36-25 W0ML STATE COM 001H	MEWBOURNE OIL CO	7243	2473.284551	59.740012	WFMP_X-Y	2/20/2019
30015453770000	ZEPELIN 32 W0MP STATE COM 002H	MEWBOURNE OIL	4396	2489.080983	60.873326	WFMP_X-Y	9/17/2019
30015453780000	ZEPELIN 32 W0LI STATE COM 003H	MEWBOURNE OIL	4396	2488.626024	61.402216	WFMP_A	9/17/2019
30015455550000	GENERAL KEHOE 02 24S 28E RB 203H	MATADOR PRODUCTION CO	4531	2763.186934	46.271663	WFMP_X-Y	8/18/2019
30015455560000	GENERAL KEHOE 02 24S 28E RB 208H	MATADOR PRODUCTION CO	4607	2843.499023	50.941693	WFMP_X-Y	8/19/2019
30015455570000	GENERAL KEHOE 02-24S-28E RB 217H	MATADOR PRODUCTION CO	4470	2765.100671	46.903111	WFMP_A	8/19/2019
30015457290000	ROCK RIDGE FEDERAL WCXY 002H	MURCHISON OIL & GAS LLC	4525	2038.453039	60.826893	WFMP_X-Y	7/16/2019

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015449650000	FLEETWOOD 36-25 W0NK STATE COM 001H	MEWBOURNE OIL CO	7074	2474.413345	60.572593	WFMP_X-Y	2/22/2019
30015449750000	CB SE 5 32 3 FED COM 002H	CHEVRON U S A	10044	2319.792911	19.562624	WFMP_X-Y	
30015449760000	CB SE 5 32 3 FED COM 003H	CHEVRON U S A	9901	2282.597717	14.932955	WFMP_A	
30015451730000	WHISTLE PIG 1 WA FEE 004H	MARATHON OIL PERMIAN LLC	4132	2594.869313	34.919894	WFMP_A	6/26/2019
30015451750000	WHISTLE PIG 1 WXY FEE 009H	MARATHON OIL PERMIAN LLC	4281	2535.856108	30.448671	WFMP_X-Y	6/26/2019
30015458720000	ROCK RIDGE FEDERAL WCXY 005H	MURCHISON OIL & GAS LLC	4525	2041.546961	66.087908	WFMP_X-Y	
30015458730000	ROCK RIDGE FEDERAL WCXY 006H	MURCHISON OIL & GAS LLC	4525	2038.895028	67.134754	WFMP_X-Y	
30015446610000	SWEET TEA STATE 24-29-31 WXY 003H	MARATHON OIL PERMIAN LLC	6927	2517.973149	39.858202	WFMP_X-Y	2/3/2019
30015446620000	SWEET TEA STATE 24-29-31 WA 005H	MARATHON OIL PERMIAN LLC	7000	2540.857143	42.467214	WFMP_A	2/3/2019
30015447260000	CORRAL FLY `35-26` FEDERAL COM 031H	OXY USA INC	9876	1516.808424	20.949271	WFMP_X-Y	4/23/2019
30015447270000	CORRAL FLY `35-26` FEDERAL COM 032H	OXY USA INC	9876	1520.453625	20.95241	WFMP_X-Y	4/25/2019
30015447280000	CORRAL FLY `35-26` FEDERAL COM 033H	OXY USA INC	9876	1520.858647	20.511239	WFMP_X-Y	4/22/2019
30015447290000	CORRAL FLY `35-26` FEDERAL COM 034H	OXY USA INC	9854	1524.051147	22.522326	WFMP_X-Y	3/15/2019
30015447300000	CORRAL FLY `35-26` FEDERAL COM 035H	OXY USA INC	9850	1523.654822	24.46599	WFMP_X-Y	3/14/2019
30015447310000	CORRAL FLY `35-26` FEDERAL COM 036H	OXY USA INC	9850	1522.436548	23.018477	WFMP_X-Y	3/14/2019
30015447420000	BRANTLEY STATE COM 13-24S-27E RB 205H	MATADOR PRODUCTION CO	4586	2887.047536	38.865284	WFMP_X-Y	8/13/2018
30015447430000	BRANTLEY STATE COM 13-24S-27E RB 211H	MATADOR PRODUCTION CO	4567	2914.385811	38.279317	WFMP_A	8/13/2018
30015448010000	SKYNYRD 2 W0CN FEE 001H	MEWBOURNE OIL	4547	2511.546074	59.912465	WFMP_X-Y	1/4/2019
30015448020000	SKYNYRD 2 W0DM FEE 001H	MEWBOURNE OIL	4618	2371.156345	59.038205	WFMP_X-Y	1/5/2019
30015448030000	SKYNYRD 2 W0DM FEE 002H	MEWBOURNE OIL	4470	2509.17226	61.141834	WFMP_A	1/5/2019
30015448690000	BOSTON 7 W0LI FEE 001H	MEWBOURNE OIL	4609	2481.666305	60.821762	WFMP_A	11/7/2018
30015448700000	BOSTON 7 W0LI FEE 002H	MEWBOURNE OIL	4434	2510.14885	60.73199	WFMP_X-Y	11/7/2018

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015444630000	BOSTON 7 W0MP FEE 002H	MEWBOURNE OIL	4587	2467.843907	59.963157	WFMP_X-Y	2/1/2018
30015444660000	MOTLEY 6-7 W0AH FEE COM 001H	MEWBOURNE OIL	6918	2409.65597	59.55897	WFMP_X-Y	6/5/2018
30015444560000	ZEPELIN 32 W0LI STATE COM 001H	MEWBOURNE OIL	4569	2495.513241	59.840009	WFMP_X-Y	7/13/2018
30015445850000	CORRAL FLY '02-01' STATE 031H	OXY USA INC	9851	1529.79393	28.97991	WFMP_X-Y	11/17/2018
30015445860000	CORRAL FLY '02-01' STATE 032H	OXY USA INC	9876	1526.933981	29.147226	WFMP_X-Y	11/16/2018
30015445870000	CORRAL FLY '02-01' STATE 033H	OXY USA INC	9913	1520.427721	28.799354	WFMP_X-Y	11/16/2018
30015445880000	CORRAL FLY '02-01' STATE 034H	OXY USA INC	9801	1548.005306	32.254814	WFMP_X-Y	10/29/2018
30015445890000	CORRAL FLY '02-01' STATE 035H	OXY USA INC	9752	1541.4274	32.15632	WFMP_X-Y	10/11/2018
30015445900000	CORRAL FLY '02-01' STATE 036H	OXY USA INC	9752	1539.78671	31.770631	WFMP_X-Y	10/11/2018
30015445970100	BRANTLEY STATE COM 13-24S-27E RB 206H	MATADOR					
		PRODUCTION CO	4414	2864.068872	37.65672	WFMP_X-Y	8/13/2018
30015446270000	GRAVEL GRINDER 23-28-18 WXY FEE 003H	MARATHON OIL PERMIAN LLC	4216	2573.529412	32.750774	WFMP_X-Y	9/16/2018
30015446280000	GRAVEL GRINDER FEE 23-28-18 WA 005H	MARATHON OIL	4266	2519.924988	34.022152	WFMP_A	9/16/2018
30015446300000	GRAVEL GRINDER FEE 23-28-18 WXY 010H	MARATHON OIL PERMIAN LLC	4174	2602.299952	32.554327	WFMP_X-Y	9/16/2018
30015446370000	CB SE 5 32 FEDERAL COM 011H	CHEVRON U S A	9713	2388.551426	102.21188	WFMP_X-Y	7/9/2019
30015446380000	CB SE 5 32 FEDERAL COM 012H	CHEVRON U S A	9213	2518.180831	108.57269	WFMP_A	6/4/2019
30015446400000	CORRAL CANYON '36-25' FEDERAL COM 031H	OXY USA INC	9752	1538.556194	35.263433	WFMP_X-Y	2/27/2019
30015446420000	CORRAL CANYON '36-25' FEDERAL COM 032H	OXY USA INC	10049	1523.53468	29.047797	WFMP_X-Y	2/21/2019
30015446430000	CORRAL CANYON '36-25' FEDERAL COM 033H	OXY USA INC	10100	1516.633663	27.681683	WFMP_X-Y	2/21/2019
30015446440000	CORRAL CANYON '36-25' FEDERAL COM 034H	OXY USA INC	9702	1520.305092	24.687163	WFMP_X-Y	1/3/2019
30015446450000	CORRAL CANYON '36-25' FEDERAL COM 035H	OXY USA INC	9851	1526.545528	0.0493931	WFMP_A	12/28/2018
30015446460000	CORRAL CANYON '36-25' FEDERAL COM 036H	OXY USA INC	9831	1529.244227	33.024703	WFMP_A	12/28/2018
30015433170000	CONNER JANIE 13 24S 28E RB 204H	MATADOR					
		PRODUCTION CO	4455	2976.87991	39.252974	WFMP_X-Y	5/24/2016
30015433890000	JIMMY KONE 05 24S 28E RB 208H	MATADOR	4586	2899.258613	39.595451	WFMP_X-Y	5/17/2016
30015434630000	CONNER JANIE 13 24S 28E RB 201H	MATADOR	4522	3008.845644	41.524278	WFMP_X-Y	8/18/2016

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015434750000	KONE JIMMY 05-24S-28E RB 203H	MATADOR PRODUCTION CO	4255	3115.393655	41.123519	WFMP_X-Y	8/19/2016
30015436150000	CONNER JANIE 13-24S-28E RB 207H	MATADOR PRODUCTION CO	4454	3033.228559	39.764818	WFMP_X-Y	5/31/2016
30015439200000	CONNER JANIE 13 24S 28E RB 202H	MATADOR PRODUCTION CO	4470	2991.946309	0	WFMP_X-Y	5/3/2018
30015439730000	CONNER JANIE 13-24S-28E RB 203H	MATADOR PRODUCTION CO	4504	2923.623446	40.247589	WFMP_A	4/10/2018
30015440590000	COLEMAN JOE 13-23S-27E RB 206H	MATADOR PRODUCTION CO	4554	2836.627141	36.975286	WFMP_X-Y	6/6/2017
30015440600000	COLEMAN JOE 13-23S-27E RB 208H	MATADOR PRODUCTION CO	4516	2959.255979	39.732897	WFMP_X-Y	9/30/2017
30015443390000	OGDEN 20509 32-29 FED COM 005H	BTA OIL PRODUCERS LLC	7284	2516.474465	52.958271	WFMP_X-Y	7/23/2019
30015443400000	OGDEN 20509 32-29 FED COM 006H	BTA OIL PRODUCERS LLC	7185	2555.323591	53.475269	WFMP_X-Y	7/23/2019
30015450050000	LOVING TOWNSITE 2021 WC 001H	KAISER-FRANCIS OIL CO	4378	2371.859296	54.857284	WFMP_D2	4/18/2019
30015450060000	LOVING TOWNSITE 2021 WC 002H	KAISER-FRANCIS OIL CO	4367	2615.525532	59.521683	WFMP_D2	4/16/2019
30015447440000	KONE JIMMY 05-24S-28E RB 215H	MATADOR PRODUCTION CO	4451	2862.27814	37.874817	WFMP_A	6/4/2018
30015445960000	KONE JIMMY 05-24S-28E RB 201H	MATADOR PRODUCTION CO	4469	2911.165809	37.193279	WFMP_X-Y	6/8/2018
30015446080000	COLEMAN JOE 13-23S-27E RB 201H	MATADOR PRODUCTION CO	4547	2814.603035	37.758019	WFMP_X-Y	6/30/2018
30015446250000	COLEMAN JOE 13-23S-27E RB 203H	MATADOR PRODUCTION CO	4528	2927.120141	39.805854	WFMP_X-Y	6/23/2018
30015446580000	KONE JIMMY 05-24S-28E RB 202H	MATADOR PRODUCTION CO	4415	2837.599094	36.457941	WFMP_X-Y	6/4/2018
30015420550100	CEDAR CANYON '16' STATE 10H	OXY USA INC	4936	710.6969206	14.346357	TBSG Lower	12/27/2014
30015420610000	CEDAR CANYON 16 STATE 009H	OXY USA INC	4179	1579.803781	20.592555	TBSG Lower	9/21/2015
30015426600000	GUITAR 10-24S-28E RB 202H	MATADOR PRODUCTION CO	4232	1964.555766	1.0248785	WFMP_X-Y	4/2/2015
30015433780000	DR K 24-23S-27E RB 203H	MATADOR PRODUCTION CO	4324	3080.481036	40.128331	WFMP_X-Y	1/21/2016

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015433790000	DR K 24-23S-27E RB 206H	MATADOR PRODUCTION CO	4324	3037.46531	40.076935	WFMP_X-Y	6/27/2016
30015434770000	KONE JIMMY 05-24S-28E RB 223H	MATADOR PRODUCTION CO	4475	3067.26257	39.207119	WFMP_D2	3/3/2017
30015435420000	JIMMY KONE 05 24S 28E RB 228H	MATADOR PRODUCTION CO	4586	2916.266899	39.975578	WFMP_D2	5/20/2016
30015436730100	CEDAR CANYON '27' STATE COM 010H	OXY USA INC	4576	1501.311189	38.999948	WFMP_X-Y	8/8/2016
30015437560000	CONNER JANIE 13 24S 28E RB 221H	MATADOR PRODUCTION CO	4522	2931.446263	40.171627	WFMP_D2	8/19/2016
30015438080000	CEDAR CANYON '22-15' FEE 032H	OXY USA INC	5868	1470.347648	39.029652	TBSG_Lower	9/12/2016
30015438090000	CEDAR CANYON '22-15' FEE 031H	OXY USA INC	5868	1475.119291	38.806067	TBSG_Lower	9/9/2016
30015438430000	CEDAR CANYON '16' STATE 034H	OXY USA INC	4235	1500.354191	39.467769	WFMP_X-Y	12/12/2016
30015438440000	CEDAR CANYON '16' STATE 033H	OXY USA INC	4418	1501.131734	39.650068	WFMP_X-Y	12/12/2016
30015438980000	MAD RIVER 13 STATE COM 003H	CAZA OPERATING	4141	2204.518232	27.236175	WFMP_A	1/19/2017
30015439150000	CEDAR CANYON '22-15' FEE 033H	OXY USA INC	5918	1484.623184	37.056776	WFMP_X-Y	6/21/2017
30015439190000	CONNER JANIE 13 24S 28E RB 222H	MATADOR PRODUCTION CO	4634	2896.849374	26.404402	WFMP_D2	5/6/2018
30015439400000	GUITAR 10-24-28 RB 201H	MATADOR PRODUCTION CO	4305	2865.505226	28.078049	WFMP_X-Y	5/20/2017
30015439580100	KONE JIMMY 05-24S-28E RB 226H	MATADOR PRODUCTION CO	4390	3133.940774	39.966254	WFMP_D2	3/3/2017
30015439930000	GUITAR 10-24-28 RB 205H	MATADOR PRODUCTION CO	4330	2852.193995	37.986143	WFMP_A	5/17/2017
30015440420100	MAD RIVER 13 STATE COM 004H	CAZA OPERATING	4286	2187.361176	31.027065	WFMP_X-Y	5/6/2017
30015440550000	CEDAR CANYON 22-15 FEDERAL COM 034H	OXY USA INC	5951	1462.947404	36.288355	TBSG_Lower	5/24/2017
30015440570000	COLEMAN KATHY 14-23S-27E RB 206H	MATADOR PRODUCTION CO	4432	2919.67509	38.143378	WFMP_X-Y	6/5/2017
30015440580000	COLEMAN KATHY 14-23S-27E RB 208H	MATADOR PRODUCTION CO	4261	3004.459047	38.760776	WFMP_X-Y	9/20/2017
30015440620100	MAD RIVER 13 STATE 005H	CAZA OPERATING	4354	2106.109325	0	WFMP_D2	6/30/2018
30015440740000	CEDAR CANYON '23' FEDERAL COM 033H	OXY USA INC	7228	1464.58218	41.243774	WFMP_X-Y	8/3/2017
30015440770000	MAD RIVER 13 STATE COM 006H	CAZA OPERATING	4225	2482.610651	69.069112	WFMP_C2	5/30/2017
30015440820000	COLLINS MICHAEL 11-23S-27E RB 208H	MATADOR PRODUCTION CO	4347	2901.311249	37.241787	WFMP_X-Y	10/8/2017

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015440940000	FIDDLE FEE 23 X 001H	MARATHON OIL PERMIAN LLC	4667	2617.098779	37.492225	WFMP_X-Y	9/24/2017
30015441330000	CEDAR CANYON '21-22' FEDERAL COM 033H	OXY USA INC	9759	1477.405472	46.365099	TBSG_Lower	8/6/2017
30015441340000	CEDAR CANYON 21-22 FEDERAL COM 034H	OXY USA INC	9819	1467.562888	46.125675	TBSG_Lower	8/6/2017
30015441390000	JIM TOM LONTOS 30 23S 28E RB 206H	MATADOR PRODUCTION CO	4558	2814.392277	36.93974	WFMP_X-Y	9/4/2017
30015441760000	CEDAR CANYON 21 22 FEDERAL COM 032H	OXY USA INC	9851	1496.700843	36.166582	TBSG_Lower	11/27/2017
30015441780000	CEDAR CANYON '23-24' FEDERAL COM 034H	OXY USA INC	7222	1805.317087	48.013016	TBSG_Lower	8/31/2017
30015441790000	CEDAR CANYON '23-24' FEDERAL 031H	OXY USA INC	7228	1581.350304	33.814471	TBSG_Lower	9/18/2017
30015441800000	CEDAR CANYON '23-24' FEDERAL 032H	OXY USA INC	7235	1583.690394	33.060539	TBSG_Lower	9/18/2017
30015442380000	JIM TOM LONTOS 30-23S-28E RB 201H	MATADOR PRODUCTION CO	4340	2903.225806	39.065213	WFMP_X-Y	4/12/2018
30015442390000	CONNER JANIE 13-24S-28E RB 223H	PRODUCTION CO	4562	2498.027181	58.01512	WFMP_D2	4/10/2018
30015453490000	ALISA OGDEN 15 001H	CAZA OPERATING	4453	2207.275994	0	WFMP_A	
30015453630000	ALISA OGDEN 15 004H	CAZA OPERATING	4576	2522.98951	0	WFMP_A	6/25/2019
30015453720000	FOREHAND RANCH NORTH 22-21 STATE COM 004H	CAZA OPERATING LLC	8658	2829.558097	0	WFMP_A	9/26/2019
30015449670000	SOUTH LOVING 2-11 W0CF STATE COM 001H	MEWBOURNE OIL CO	7217	2402.937509	58.836068	WFMP_X-Y	10/23/2018
30015450190000	SOUTH LOVING 2-11 W0DE STATE COM 001H	MEWBOURNE OIL CO	7077	2464.038434	59.914936	WFMP_X-Y	10/24/2018
30015450520000	OGDEN 20509 29-32 FEDERAL COM 003H	BTA OIL PRODUCERS LLC	6956	2662.449684	57.149706	WFMP_X-Y	12/1/2018
30015451250000	DR K 24-23S-27E RB 201H	MATADOR PRODUCTION CO	4556	2785.776997	40.404522	WFMP_X-Y	10/1/2018
30015452100000	KONE JIMMY 05-24S-28E RB 241H	MATADOR PRODUCTION CO	4642	2465.747523	59.37333	WFMP_D3	11/17/2018
30015447500000	OGDEN 20509 29-32 002H	BTA OIL PRODUCERS LLC	6835	2747.915143	57.877309	WFMP_X-Y	12/1/2018

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015448040000	DR K 24-23S-27E RB 204H	MATADOR PRODUCTION CO	4568	2669.877408	28.468039	WFMP_X-Y	9/12/2018
30015444350000	CEDAR CANYON '27-28' FEDERAL 042H	OXY USA INC	10194	1538.159702	31.98813	TBSG_Lower	1/11/2019
30015444370000	CEDAR CANYON '27-28' FEDERAL 043H	OXY USA INC	9824	1531.555375	30.118384	WFMP_X-Y	1/3/2018
30015444380000	CEDAR CANYON '27-28' FEDERAL 044H	OXY USA INC	9824	1529.112378	30.303339	WFMP_X-Y	1/3/2018
30015444430000	COLLINS MICHAEL 11 23S 27E RB 203H	MATADOR PRODUCTION CO	4388	2899.726527	36.833865	WFMP_X-Y	2/19/2018
30015444720000	COLLINS MICHAEL 11-23S-27E RB 206H	MATADOR PRODUCTION CO	4422	2875.169607	36.196517	WFMP_X-Y	2/19/2018
30015445150000	MATTHEWS TOM 10 24S 28E RB 204H	MATADOR PRODUCTION CO	4199	2899.738033	38.008369	WFMP_X-Y	5/5/2018
30015445400000	FIDDLE 24-28-23 TB FEE 002H	MARATHON OIL PERMIAN LLC	4812	2528.678304	29.790316	TBSG_Lower	5/12/2018
30015445410100	FIDDLE FEE 24-28-23 WA 006H	MARATHON OIL PERMIAN LLC	4482	2500.223115	40.667782	WFMP_A	5/13/2018
30015445420000	FIDDLE FEE 24-28-23 WXY 009H	MARATHON OIL PERMIAN LLC	4576	2513.548951	37.642483	WFMP_X-Y	5/13/2018
30015445610000	MATTHEWS TOM 10 24S 28E RB 203H	MATADOR PRODUCTION CO	4584	2897.469459	36.688264	WFMP_X-Y	4/22/2018
30015446110000	COLEMAN KATHY 14-23S-27E RB 201H	MATADOR PRODUCTION CO	4590	2861.437908	38.179557	WFMP_X-Y	7/1/2018
30015446210000	FOREHAND RANCH NORTH 22-21 STATE 002H	CAZA OPERATING LLC	9541	3013.485798	0	WFMP_A	
30015446230000	COLLINS MICHAEL 11-23S-27E RB 201H	MATADOR PRODUCTION CO	4631	2722.522133	31.941363	WFMP_X-Y	11/14/2018
30015446240000	COLEMAN KATHY 14-23S-27E RB 203H	MATADOR PRODUCTION CO	4304	2936.802974	38.66051	WFMP_X-Y	6/24/2018
30015417300000	LAYLA 35 MD FEE 2H	MEWBOURNE OIL	4555	1227.66191	25.485181	WFMP_D2	4/2/2014
30015424070000	LAYLA 35 W2OB FEE 3H	MEWBOURNE OIL	4115	1696.71932	44.047145	WFMP_D2	8/24/2015
30015428730000	TIGER 14-24S-28E RB 224H	MATADOR PRODUCTION CO	4376	2005.941499	1.0473144	WFMP_D2	4/4/2015
30015430370000	JANIE CONNER 13-24S-28E RB 224H	MATADOR PRODUCTION CO	4455	2984.062851	40.154561	WFMP_D2	11/9/2015

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015430870000	TIGER 14-24S-28E RB 204H	MATADOR PRODUCTION CO	4656	2002.147766	28.44606	WFMP_X-Y	7/8/2015
30015431470000	WALTERS TOM 12-23S-27E RB 203H	MATADOR PRODUCTION CO	4595	3068.552775	40.164081	WFMP_X-Y	1/18/2017
30015431550000	BOSTON 7 W2MP FEE 001H	MEWBOURNE OIL	4276	2379.7942	60.43414	WFMP_C2	5/30/2017
30015432950000	KYLE 34 FEDERAL COM 005H	MARATHON OIL PERMIAN LLC	4519	2507.191857	52.592635	WFMP_X-Y	11/26/2017
30015433060000	B BANKER 33-23S-28E RB 221H	MATADOR PRODUCTION CO	4251	3022.347683	40.24215	WFMP_C2	6/14/2016
30015433600000	HARROUN RANCH FED COM 20702 002H	BTA OIL PRODUCERS LLC	9600	2112.5	45.638333	WFMP_D2	10/5/2017
30015434050000	KYLE 34 FEDERAL COM 003H	MARATHON OIL PERMIAN LLC	4364	2521.998167	51.300642	WFMP_A	12/12/2017
30015434140000	HARROUN RANCH FEDERAL COM 20702 004H	BTA OIL PRODUCERS LLC	9815	2465.613856	51.630158	WFMP_D2	6/11/2018
30015434940000	FOREIGNER 33-4 W2LM FEE 1H	MEWBOURNE OIL	7037	2292.454171	65.325687	WFMP_D2	8/14/2016
30015434950100	LOVING TOWNSITE 21 W0PA FEE 002H	MEWBOURNE OIL	4590	2426.579521	59.181699	WFMP_X-Y	6/13/2017
30015434960000	LOVING TOWNSITE 21 W2PA FEE 001H	MEWBOURNE OIL	4613	2428.35465	59.071754	WFMP_D2	6/14/2017
30015434970000	WHITESNAKE 20-21 W2BC FEE 001H	MEWBOURNE OIL	4536	2387.566138	59.133377	WFMP_D2	7/6/2018
30015434990100	FOREIGNER 33-4 W2JO FEE COM 1H	MEWBOURNE OIL	6861	1582.859641	47.851771	WFMP_D2	8/25/2016
30015435050100	TIGER 14 24S 28E RB 227H	MATADOR PRODUCTION CO	4586	2939.816834	39.626975	WFMP_D2	5/31/2016
30015436930000	GUITAR 10-24S-28E RB 222H	MATADOR PRODUCTION CO	4376	4030.164534	40.261513	WFMP_C2	8/12/2016
30015436950000	SWEENEY CHARLIE 31-23S-28E RB 201H	MATADOR PRODUCTION CO	4588	3051.002616	39.516653	WFMP_X-Y	7/27/2016
30015437200100	FOREHAND 22 FEDERAL COM 006H	CAZA OPERATING	6342	1929.675181	25.472864	WFMP_X-Y	2/12/2017
30015438020000	MOTLEY 6-7 W2AH FEE COM 002H	MEWBOURNE OIL	6769	2442.310533	59.725513	WFMP_D2	6/5/2018
30015438170000	B BANKER 33-23S-28E RB 226H	MATADOR PRODUCTION CO	4251	2999.764761	39.973872	WFMP_X-Y	9/6/2016
30015438420000	B BANKER 33-23S-28E RB 206H	MATADOR PRODUCTION CO	4345	2826.237054	38.285698	WFMP_D2	7/17/2017
30015438990000	ANNE COM 15 24S 28E RB 221H	MATADOR PRODUCTION CO	4302	3004.1841	42.974763	WFMP_D2	11/21/2016
30015439250000	SWEENEY CHARLIE STATE COM 31-23S-28E RB 202H	MATADOR PRODUCTION CO	4556	2816.505707	36.762804	WFMP_X-Y	9/4/2017

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30015439660000	GUJAR 10 24S 28E RB 221H	MATADOR PRODUCTION CO	4300	2663.255814	42.285349	WFMP_D2	4/30/2017
30015440240100	SWEENEY CHARLIE FEDERAL COM 204H	MATADOR PRODUCTION CO	4272	73.64700375	40.244544	WFMP_A	12/5/2017
30015440250000	SWEENEY CHARLIE FEDERAL COM 208H	MATADOR PRODUCTION CO	4349	102.8880202	1.9577024	WFMP_X-Y	12/5/2017
30015441190100	TIGER 14-24S-28E RB 222H	MATADOR PRODUCTION CO	4716	2924.512299	40.86355	WFMP_D2	7/28/2017
30015441290000	TIGER 14 24S 28E RB 202H	MATADOR PRODUCTION CO	4606	2799.826314	36.831348	WFMP_X-Y	8/2/2017
30015441380000	B BANKER 33 23 S 28E RB 201H	MATADOR PRODUCTION CO	4407	2856.818698	14.35462	WFMP_A	7/26/2017
30015441400000	MOTLEY 6-7 W2DE FEDERAL COM 001H	MEWBOURNE OIL CO	7023	2356.542788	59.977909	WFMP_D2	8/8/2017
30015441620100	TIGER 14-24S-28E RB 201H	MATADOR PRODUCTION CO	4437	2861.843588	36.988645	WFMP_A	10/5/2017
30015441630000	TIGER 14-24S-28E RB 221H	MATADOR PRODUCTION CO	4565	2735.158817	26.032436	WFMP_D2	10/4/2017
30015441970000	WALTERS TOM 12 23 S 27E RB 208H	MATADOR PRODUCTION CO	4460	2966.816143	37.774701	WFMP_X-Y	10/8/2017
30015442100000	ANNE COM 15 24S 28E RB 201H	MATADOR PRODUCTION CO	4158	2986.050986	38.860447	WFMP_X-Y	10/6/2017
30015442410100	MCCORMICK ZACH FED 18-24S-29E RB 221H	MATADOR PRODUCTION CO	4429	2613.230978	58.839467	WFMP_D2	4/25/2018
30015442510000	MCCORMICK ZACH FED COM 226H	MATADOR PRODUCTION CO	4498	2835.037795	37.891179	WFMP_D2	11/5/2017
30015442570000	MATTHEWS TOM 10-24S-28E RB 223H	MATADOR PRODUCTION CO	4548	2882.585752	38.358064	WFMP_D2	10/21/2017
30015449850100	GENERAL KEHOE 02-24S-28E RB 223H	MATADOR PRODUCTION CO	4142	2746.982134	48.265549	WFMP_D2	8/20/2019
30015449860000	GENERAL KEHOE 02-24S-28E RB 228H	MATADOR PRODUCTION CO	4538	2633.318643	59.917889	WFMP_D2	8/20/2019
30015450300100	SOUTHERN COMFORT 24 28 25 WD STATE 012H	MARATHON OIL PERMIAN LLC	5614	2340.577129	41.14642	WFMP_D2	11/13/2018
30015447340000	MARINER FEE 23-28-19 WXY 006H	MARATHON OIL PERMIAN LLC	4604	2539.096438	29.518193	WFMP_X-Y	4/23/2019

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015447360000	MARINER FEE 23-28-19 WA 010H	MARATHON OIL PERMIAN LLC	4631	2512.200389	31.021002	WFMP_A	4/22/2019
30015448340000	SOUTHERN COMFORT STATE 24-28-25 WD 010H	MARATHON OIL PERMIAN LLC	7043	2742.013347	43.441147	WFMP_D2	11/2/2018
30015448490000	MARINER FEE 23-28-19 WA 001H	MARATHON OIL PERMIAN LLC	4609	2492.948579	31.287538	WFMP_A	4/22/2019
30015444170000	ANNE COM 15 24S 28E RB 202H	MATADOR PRODUCTION CO	4436	2949.053201	0	WFMP_X-Y	1/7/2018
30015444210100	ANNE COM 15 24S 28E RB 222H	MATADOR PRODUCTION CO	4397	2860.586764	0	WFMP_D2	12/23/2017
30015445160000	MATTHEWS TOM 10 24S 28E RB 224H	MATADOR PRODUCTION CO	4500	2884	38.040508	WFMP_D2	4/14/2018
30015445590000	WHITESNAKE 20 21 W0BC FEE 002H	MEWBOURNE OIL	4527	2397.17252	59.288933	WFMP_X-Y	7/6/2018
30015446030000	TREBUCHET FEE 23-28-19 WA 005H	MARATHON OIL PERMIAN LLC	4135	2578.960097	34.472131	WFMP_A	4/1/2019
30015446050000	TREBUCHET FEE 23-28-19 WXY 010H	MARATHON OIL PERMIAN LLC	4244	2557.021678	30.682729	WFMP_X-Y	4/1/2019
30015446130000	TREBUCHET 23-28-19 WXY FEE 003H	MARATHON OIL PERMIAN LLC	4404	2555.858311	31.275831	WFMP_X-Y	4/1/2019
30015446220000	MISS SUE 12-23S-27E RB 201H	MATADOR PRODUCTION CO	4602	2709.691439	0	WFMP_X-Y	11/13/2018
30015426950000	SPEEDWAGON 27 W2DM FEE 1H	MEWBOURNE OIL	4340	1794.009217	45.161751	WFMP_D2	3/29/2016
30015429350000	YARDBIRDS 3 W2AP FEE 001H	MEWBOURNE OIL	4491	2536.628813	60.764778	WFMP_D2	7/18/2017
30015429360000	YARDBIRDS 3 W2DM FEE 1H	MEWBOURNE OIL	4048	1730.731225	44.804642	WFMP_D2	7/30/2015
30015430970000	SPEEDWAGON 27 W2PA FEE 001H	MEWBOURNE OIL	4679	2485.146399	60.498397	WFMP_D2	2/14/2018
30015432120000	ROCK SPUR 27 W2CN STATE COM 001H	MEWBOURNE OIL CO	4590	2494.117647	59.454928	WFMP_D2	6/30/2017
30015437510000	CYPRESS '33' FEDERAL COM 9H	OXY USA INC	4454	1463.852717	16.551254	TBSG_Lower	7/5/2016
30015440640000	ROCK SPUR 27 W0CN STATE COM 002H	MEWBOURNE OIL CO	4513	2606.248615	60.625785	WFMP_X-Y	6/30/2017
30015440920000	ROCK SPUR 27 W2AP STATE COM 001H	MEWBOURNE OIL CO	4415	2489.694224	59.153211	WFMP_D2	8/28/2018
30015440930000	ROCK SPUR 27 W0AP STATE COM 002H	MEWBOURNE OIL CO	4470	2448.322148	60.337286	WFMP_X-Y	8/28/2018
30015440960000	CYPRESS 33 FEDERAL COM 010H	OXY USA INC	4504	1467.584369	45.82349	TBSG_Lower	5/27/2017
30015460890000	QUEEN 23-24 W0JI FEDERAL COM 001H	MEWBOURNE OIL CO	7370	2442.605156	58.180597	WFMP_X-Y	10/29/2019

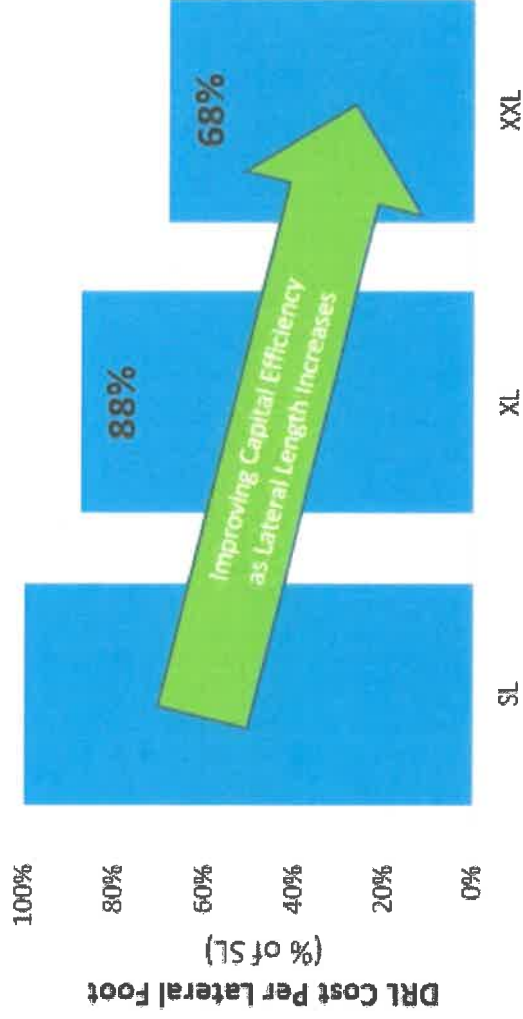
API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015460900000	QUEEN 23-24 W0JI FEDERAL COM 002H	MEWBOURNE OIL CO	7286	2478.726324	58.933708	WFMP_X-Y	10/29/2019
30015446600000	RUSTLER BREAKS 26 23 W0ML FEE COM 002H	MEWBOURNE OIL CO	7310	2444.322845	61.667637	WFMP_X-Y	8/8/2019
30015217810100	NASH UNIT 003H	XTO ENERGY INC	6859	2516.401808	46.340429	WFMP_D2	5/4/2019
30015402870000	MALAGA 30 FEDERAL COM 1H	MEWBOURNE OIL	3825	137.9605229	11.314466	WFMP_D2	10/11/2012
30015417290000	SALT DRAW 2 CN FEE 2H	MEWBOURNE OIL	4495	996.21802	20.979978	WFMP_D2	2/27/2014
30015417580000	CARTER FARMS A FEE COM 3H	OXY USA WTP LP	3775	928.2119205	18.596632	TBSG_Lower	9/12/2014
30015417750000	RUSTLER BREAKS 12-24-27 1H	MATADOR PRODUCTION CO	4489	1906.883493	0	WFMP_C2	3/4/2014
30015422840000	VILLA A FEE COM 2H	OXY USA WTP LP	4223	1152.261426	20.121669	TBSG_Lower	1/25/2015
30015426590000	MACHO GRANDE STATE 2H	MARATHON OIL PERMIAN LLC	3863	2056.776598	47.755889	WFMP_D2	9/6/2016
30015427390000	LAGUNA GRANDE UNIT 007H	CIMAREX ENERGY CO OF COLORADO	4353	2503.101309	46.676315	WFMP_X-Y	4/20/2018
30015427550000	HUMIDOR BML STATE COM 5H	EOG RESOURCES	6663	1535.044274	32.431223	TBSG_Lower	7/20/2015
30015427690000	EL PRESIDENTE STATE 3H	MARATHON OIL PERMIAN LLC	3620	1842.541436	36.133636	WFMP_C2	7/13/2015
30015428520000	LOVING WEST 12 W2EH STATE COM 001H	MEWBOURNE OIL CO	4231	2431.103758	61.479156	WFMP_C2	5/21/2017
30015428820000	CHICKEN' FRY FEDERAL COM 001H	MARATHON OIL PERMIAN LLC	4649	2520.972252	53.938912	WFMP_X-Y	9/23/2017
30015428940100	CHAKA STATE 3H	COG OPERATING	4588	1702.266783	40.102441	WFMP_C2	7/5/2015
30015430180000	PAUL 25 24S 28E RB 221H	MATADOR PRODUCTION CO	4455	3026.262626	40.812784	WFMP_X-Y	5/17/2016
30015431620100	SCOTT WALKER STATE 36-22S-27E RB 204H	MATADOR PRODUCTION CO	4068	1997.050147	28.356388	WFMP_X-Y	9/29/2015
30015431650000	ZEPELIN 32 W2LI STATE COM 002H	MEWBOURNE OIL	4589	2466.768359	59.360427	WFMP_D2	7/13/2018
30015431940000	RUSTLER BREAKS 12 24 27 204H	MATADOR PRODUCTION CO	4355	3161.423651	39.850746	WFMP_X-Y	3/27/2017
30015434180000	CHOPPER STATE 3H	COG OPERATING	4802	1686.797168	39.894835	WFMP_A	7/10/2016
30015434900100	FOREHAND RANCH 35 FEDERAL 001H	MATADOR PRODUCTION CO	4498	2913.73944	40.038218	WFMP_D2	10/26/2017
30015436610000	DEVON 6 W2AD FEE 1H	MEWBOURNE OIL	4040	1652.475248	48.086139	WFMP_D2	7/25/2016
30015437230000	PAUL 25-24S-28E RB 225H	MATADOR PRODUCTION CO	4554	2849.363197	39.944335	WFMP_D2	6/30/2017

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015437740100	BRANTLEY STATE COM 13-24-27 RB 221H	MATADOR PRODUCTION CO	4564	3155.127082	39.954426	WFMP_D2	3/20/2017
30015438240000	DR SCRIVNER FEDERAL 01-24S-28E RB 228H	MATADOR PRODUCTION CO	4261	3037.315184	50.038846	WFMP_D2	11/6/2016
30015438260000	JIM TOM LONTOS 30-23S-28E RB 221H	MATADOR PRODUCTION CO	4509	2974.495454	40.963084	WFMP_D2	2/8/2017
30015438450000	JOURNEY 12 W2MP FEE COM 002H	MEWBOURNE OIL	4241	2406.979486	58.588574	WFMP_D2	4/17/2017
30015438460000	JOURNEY 12 W0MP FEE COM 003H	MEWBOURNE OIL	4319	2456.124103	59.333179	WFMP_X-Y	4/16/2017
30015438490000	CYPRESS '34' FEDERAL 12H	OXY USA INC	4551	1500.329598	18.210283	WFMP_X-Y	12/28/2016
30015439380000	RUSTLER BREAKS 26-23 W2ML FEE COM 001H	MEWBOURNE OIL CO	7329	2265.520535	59.885354	WFMP_D2	8/8/2019
30015439490000	YARDBIRDS 3 W0AP FEE 002H	MEWBOURNE OIL	4535	2559.206174	60.068898	WFMP_X-Y	7/18/2017
30015439500000	STYX 17 W2PA FEE COM 001H	MEWBOURNE OIL	4589	2428.851602	60.092831	WFMP_D2	4/30/2017
30015439670000	SWITCHBACK STATE 021H	COG OPERATING	5547	1628.628087	38.673697	WFMP_A	3/30/2017
30015440280000	SWEENEY CHARLIE FEDERAL COM 228H	MATADOR PRODUCTION CO	4360	102.6284404	1.9640837	WFMP_D2	12/5/2017
30015440880000	EL TORO INVICTA 14 301H	CHEVRON U S A	4669	2412.936389	1.1488796	WFMP_X-Y	11/14/2017
30015440890100	EL TORO GIGANTE 23 431H	CHEVRON U S A	4567	2453.689512	1.5943675	WFMP_D2	11/15/2017
30015441150000	SPEEDWAGON 27 W0PA FEE 002H	MEWBOURNE OIL	4622	2461.272177	58.744267	WFMP_A	2/14/2018
30015441530000	HOSS 2-11 W2BO FED COM 001H	MEWBOURNE OIL	9730	2307.913669	60.599119	WFMP_D2	11/3/2017
30015441820000	CEDAR CANYON 21 FEDERAL COM 031H	OXY USA INC	4596	1508.268059	41.380113	WFMP_X-Y	10/5/2017
30015442480000	QUEEN 23-24 W2OP FEDERAL COM 002H	MEWBOURNE OIL CO	7281	2437.851943	60.576569	WFMP_D2	3/27/2018
30015442500000	QUEEN 23-24 W0OP FED COM 001H	MEWBOURNE OIL	7270	2438.789546	58.149656	WFMP_X-Y	3/18/2018
30015442560000	GARRETT STATE COM 221H	MATADOR PRODUCTION CO	4560	2794.736842	37.657096	WFMP_D2	1/21/2018
30015442850000	NIGHT RANGER 28 W0AP FEE 002H	MEWBOURNE OIL	4511	2460.20838	60.322001	WFMP_A	12/12/2018
30015442860000	NIGHT RANGER 28 W2AP FEE 001H	MEWBOURNE OIL	4433	2483.645387	59.957591	WFMP_D2	12/12/2018
30015454710000	BLOODHOUND 15 23 27 FEE 401H	WPX ENERGY	4289	3000.233155	51.171224	WFMP_X-Y	2/15/2019
30015457280000	ROCK RIDGE FEDERAL WCB 001H	MURCHISON OIL & GAS LLC	4465	2962.597984	95.215901	WFMP_D2	7/16/2019
30015449660000	FLEETWOOD 36-25 W2NK STATE COM 002H	MEWBOURNE OIL CO	7288	2335.345774	59.670339	WFMP_D2	2/22/2019
30015450210000	RIVERBEND 12-13 FEDERAL COM 029H	CIMAREX ENERGY	9894	2427.73398	59.343036	WFMP_D2	12/29/2018
30015450220000	RIVERBEND 12-13 FEDERAL COM 030H	CIMAREX ENERGY	9863	2441.853391	46.981446	WFMP_A	12/29/2018

API	Wellname	Current Operator	Lateral Length (ft)	Proppant (lb/ft)	Fluid less Acid (BBL/ft)	Zone	Date Completion
30015450310000	SWEET TEA STATE 24-29-31 WD 002H	MARATHON OIL PERMIAN LLC	7173	2799.665412	56.331309	WFMP_D2	2/3/2019
30015451430100	EDELSTEIN DAVID STATE COM 223H	MATADOR PRODUCTION CO	10002	2415.716857	61.232715	WFMP_D2	1/10/2019
30015452180100	WHOMPING WILLOW CC '15-16' STATE COM 044H	OXY USA INC	10202	2473.632621	37.535777	WFMP_C2	6/26/2019
30015446820000	DAVID EDELSTEIN STATE COM 203H	MATADOR PRODUCTION CO	9518	2862.7863	37.725122	WFMP_X-Y	7/7/2018
30015447490000	OGDEN 20509 29-32 001H	BTA OIL PRODUCERS LLC	7000	2654.857143	56.462177	WFMP_D2	1/9/2019
30015448050000	COLEMAN JOE 13-23S-27E RB 221H	MATADOR PRODUCTION CO	4468	2803.491495	38.240536	WFMP_D2	7/1/2018
30015448770000	CB SO 15 22 004 002H	CHEVRON U S A	9740	2402.464066	0.2033832	WFMP_X-Y	3/1/2019
30015443970000	CYPRESS '34' FEDERAL 015H	TAP ROCK OPERATING LLC	4335	2474.740484	55.89158	WFMP_X-Y	8/4/2018
30015444390000	CEDAR CANYON '28' FEDERAL COM 041H	OXY USA INC	4507	1536.720657	31.714444	WFMP_X-Y	1/10/2019
30015444560000	BLACK RIVER 15 10 STATE COM X 007H	MARATHON OIL PERMIAN LLC	9706	2041.211622	18.038842	WFMP_C2	7/10/2018
30015446390000	CB SE 5 32 FEDERAL COM 013H	CHEVRON U S A	9204	2422.859626	103.66495	WFMP_X-Y	5/29/2019
30015446590000	NORRIS THORNTON COM 204H	MATADOR PRODUCTION CO	4551	2715.447154	0	WFMP_X-Y	9/13/2018

Lateral Length: Capital Efficiency

Capital Efficiency Improves with Lateral Length Increase
Marathon Malaga SPUDs, Upper Wolfcamp



Well Data Used Lateral Length Capital Efficiency

WELL NAME	FIRST SALES DATE	AREA	LATERAL LENGTH
KYLE 34 FEDERAL COM 3H	1/8/2018	MALAGA	4,364
BLACK RIVER 10 STATE COM 2H	3/5/2018	MALAGA	9,714
CYPRESS FEE 23 27 9 4H	3/25/2018	MALAGA	4,488
CYPRESS FEE 23 27 9 4H	3/25/2018	MALAGA	4,488
CYPRESS FEE 5H	4/1/2018	MALAGA	4,420
CYPRESS FEE 8H	4/2/2018	MALAGA	4,416
RED LIGHT STATE COM WA 15H	4/16/2018	MALAGA	6,978
RED LIGHT STATE COM WXY 18H	4/17/2018	MALAGA	6,798
STERLING STATE WA 6H	4/29/2018	MALAGA	4,308
FIDDLE FEE WA 6H	5/13/2018	MALAGA	4,482
FIDDLE FEE WXY 9H	5/13/2018	MALAGA	4,576
BLACK RIVER 15 10 STATE COM 3H	5/30/2018	MALAGA	9,256
SOUTHERN COMFORT STATE 24 28 25 WA 5H	11/4/2018	Malaga	6,732
SWEET TEA STATE 24-29-31 WA 5H	2/3/2019	MALAGA	7,000
SWEET TEA STATE 24-29-31 WXY 3H	2/4/2019	MALAGA	6,927
RICK DECKARD STATE 25-28-4 WA 14H	2/25/2019	MALAGA	4,341
RICK DECKARD STATE 25-28-4 WXY 12H	2/25/2019	MALAGA	4,321
RICK DECKARD STATE 25-28-4 WA 15H	2/25/2019	MALAGA	4,259
RICK DECKARD STATE 25-28-4 WXY 18H	2/25/2019	MALAGA	4,420
TREBUCHET FEE WA 5H	4/2/2019	Malaga	4,135
TREBUCHET FEE WXY 10H	4/2/2019	Malaga	4,244
TREBUCHET FEE WXY 3H	4/2/2019	Malaga	4,404

WELL NAME	FIRST SALES DATE	AREA	LATERAL LENGTH
MARINER FEE WXY 11H	4/23/2019	Malaga	4,206
MARINER FEE WA 10H	4/24/2019	Malaga	4,631
MARINER FEE WA 14H	4/24/2019	Malaga	4,419
MARINER FEE WA 1H	4/24/2019	Malaga	4,609
MARINER FEE WXY 18H	4/24/2019	Malaga	4,256
MARINER FEE WXY 6H	4/25/2019	Malaga	4,604
WHISTLE PIG 1 FEE WA 4H	6/27/2019	Malaga	4,132
WHISTLE PIG 1 FEE WXY 9H	6/27/2019	Malaga	4,969
SWEET TEA FEDERAL COM 24 29 31 WA 008H	7/12/2019	MALAGA	6,923
RICK DECKARD 25-28-4 WA STATE 002H	7/13/2019	MALAGA	4,599
RICK DECKARD 25-28-4 WXY STATE 006H	7/13/2019	MALAGA	4,555
RICK DECKARD 25-28-4 WA STATE 009H	7/13/2019	MALAGA	4,585
RICK DECKARD 25-28-4 WXY STATE 008H	7/13/2019	MALAGA	4,599
CATAPULT FEE 23 26 1 WA 5H	1/28/2020	Malaga	4,504
CATAPULT FEE 23 26 1 WXY 10H	1/29/2020	Malaga	4,523
AIRPORT STATE 22 26 36 WXY 10H	1/30/2020	Malaga	4,294