

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

¹ Operator name and Address Marathon Oil Permian LLC 5555 San Felipe St., Houston, TX 77056		² OGRID Number 372098
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-46209	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 325763	⁸ Property Name BLUE STEEL 21 WXY FED COM	⁹ Well Number 18H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	28	23S	29E		1219	NORTH	1057	EAST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	23S	29E		332	NORTH	327	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

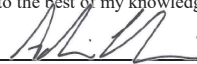
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
327139	Sendero Carlsbad Midstream LLC	G
307204	Oryx Midstream Services, LLC	O

IV. Well Completion Data

²¹ Spud Date 12/30/2019	²² Ready Date 5/28/2020	²³ TD 20160' / 10116'	²⁴ PBTB 20105' / 10116'	²⁵ Perforations 10302' - 20021'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8", 54.5#, J55, STC	306'	357		
12 1/4"	9 5/8", 40#, J55, LTC	3020'	990		
8 3/4"	5 1/2", 20#, P110, VA Roughneck	20151'	2960		

V. Well Test Data

³¹ Date New Oil 12/22/2020	³² Gas Delivery Date 12/22/2020	³³ Test Date 1/15/2021	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 1401
³⁷ Choke Size 61/64	³⁸ Oil 2133	³⁹ Water 7921	⁴⁰ Gas 4353		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Adrian Covarrubias			Approved by: Kurt Simmons		
Title: Regulatory Professional			Title: NMOC, Santa Fe		
E-mail Address: acovarrubias@marathonoil.com			Approval Date: 02/26/2021		
Date: 2/8/2021		Phone: 713-296-3368		RT expired 08/28/2020; approved as NW C-104.	

1625 N. French Dr., Hobbs, NM 88240
 Phone: (575) 393-6161 Fax: (575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone: (575) 748-1283 Fax: (575) 748-9720
District III
 1000 Rio Brazos Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Revised August 1, 2011
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☐ AMENDED REPORT
As-Drilled

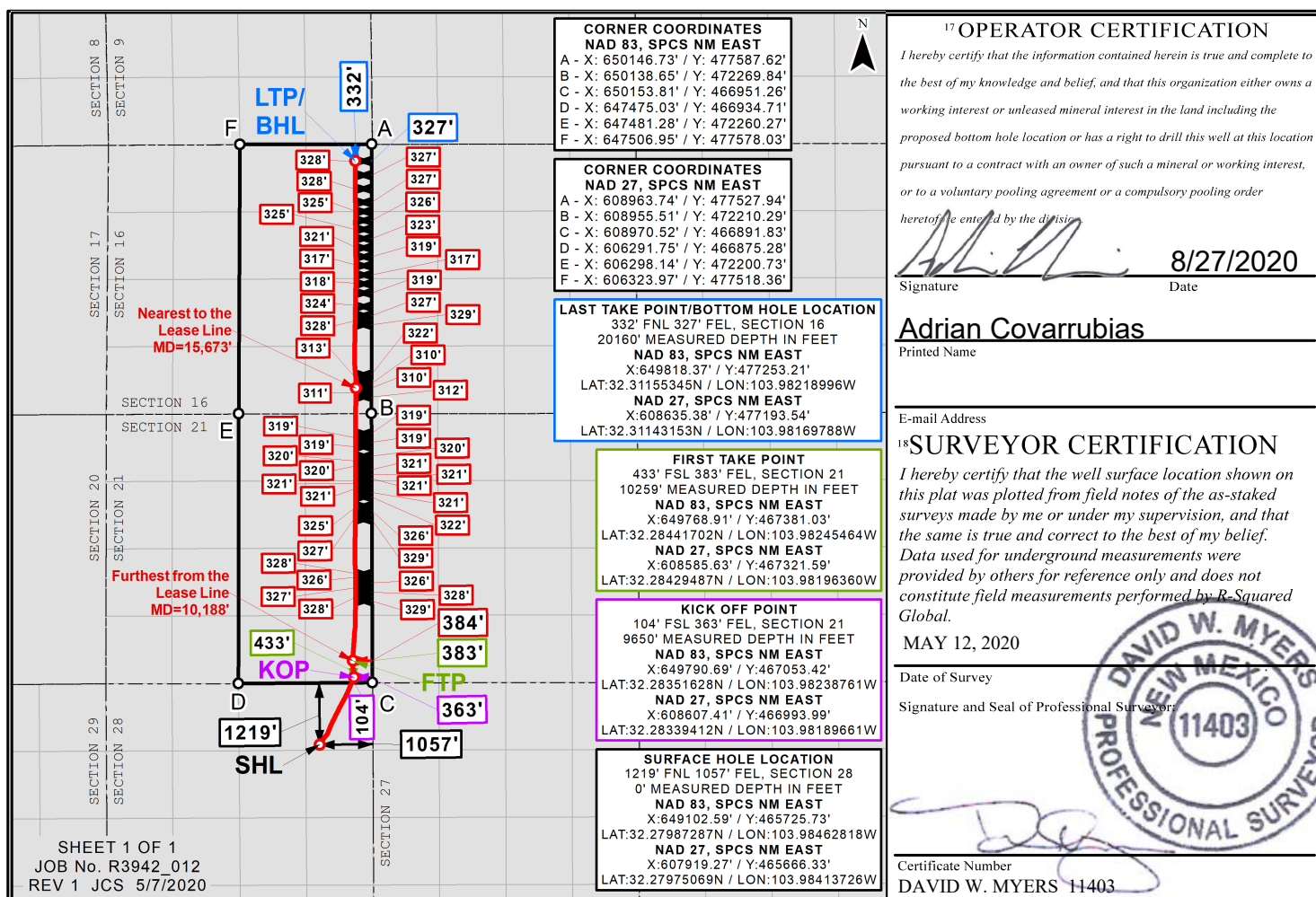
WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-015-46209	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 325763	Property Name Blue Steel 21 WXY Fed Com	⁶ Well Number 18H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 2998'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	28	23S	29E		1219	NORTH	1057	EAST	EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	16	23S	29E		332	NORTH	327	EAST	EDDY
¹² Dedicated Acres 640.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Distances/areas relative to NAD 83 Combined Scale Factor: 0.9997823 Convergence Angle: 00°11'10.61002"

HALLIBURTON**DIRECTIONAL SURVEY REPORT**

Marathon Oil Permian LLC
 Blue Steel Fed Com WXY #18H
 Eddy County, New Mexico (NAD27)
 Eddy New Mexico
 USA
 MO-XX-0906335425

Measured Depth (feet)	Inclination (degrees)	Direction (degrees)	Vertical Depth (feet)	Latitude (feet)	Departure (feet)	Vertical Section (feet)	Dogleg (deg/100ft)
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	TIE-IN
117.00	1.20	227.94	116.99	0.82 S	0.91 W	-0.82	1.03
210.00	1.10	248.74	209.97	1.80 S	2.46 W	-1.80	0.46
387.00	0.97	240.27	386.94	3.16 S	5.35 W	-3.15	0.11
417.00	1.10	234.55	416.94	3.45 S	5.80 W	-3.44	0.55
510.00	1.71	184.54	509.91	5.35 S	6.64 W	-5.35	1.41
603.00	1.89	180.76	602.87	8.27 S	6.77 W	-8.26	0.23
697.00	1.80	178.83	696.82	11.29 S	6.76 W	-11.29	0.12
790.00	1.67	184.63	789.78	14.10 S	6.84 W	-14.10	0.23
883.00	1.49	179.97	882.74	16.66 S	6.95 W	-16.66	0.24
972.00	1.27	187.97	971.72	18.80 S	7.09 W	-18.79	0.33
1062.00	1.19	201.51	1061.70	20.65 S	7.57 W	-20.65	0.33
1151.00	1.27	214.87	1150.67	22.32 S	8.47 W	-22.32	0.33
1241.00	1.54	223.83	1240.65	24.01 S	9.88 W	-24.01	0.39
1331.00	0.84	319.45	1330.63	24.39 S	11.14 W	-24.38	2.03
1420.00	3.25	9.90	1419.58	21.40 S	11.13 W	-21.40	3.14
1510.00	5.01	13.60	1509.34	15.07 S	9.77 W	-15.06	1.98
1600.00	7.30	21.42	1598.82	5.93 S	6.76 W	-5.92	2.70
1690.00	8.40	34.43	1687.98	4.82 N	0.95 W	4.82	2.31
1780.00	8.35	45.24	1777.02	14.84 N	7.40 E	14.84	1.75
1869.00	10.15	34.95	1864.87	25.82 N	16.49 E	25.81	2.74
1959.00	12.44	31.09	1953.12	40.63 N	26.04 E	40.61	2.68
2048.00	13.85	31.17	2039.79	57.95 N	36.50 E	57.93	1.58
2138.00	12.97	30.47	2127.33	75.87 N	47.20 E	75.84	0.99
2227.00	12.00	32.40	2214.23	92.29 N	57.22 E	92.25	1.19
2317.00	12.40	36.71	2302.20	107.94 N	68.01 E	107.89	1.10
2407.00	13.76	39.26	2389.86	123.98 N	80.56 E	123.92	1.64
2497.00	13.58	39.17	2477.31	140.46 N	94.01 E	140.39	0.20
2586.00	12.40	43.04	2564.03	155.54 N	107.13 E	155.47	1.65
2676.00	11.47	45.41	2652.09	168.89 N	120.10 E	168.80	1.17
2765.00	12.48	39.52	2739.15	182.52 N	132.52 E	182.42	1.78
2855.00	12.13	37.06	2827.08	197.56 N	144.41 E	197.46	0.70
2944.00	13.05	27.39	2913.95	213.95 N	154.67 E	213.84	2.58
2965.00	13.49	25.02	2934.39	218.28 N	156.79 E	218.17	3.33
3036.00	13.13	21.75	3003.49	233.27 N	163.28 E	233.16	1.18
3125.00	12.88	20.98	3090.20	251.92 N	170.58 E	251.80	0.34
3214.00	13.57	20.85	3176.84	270.94 N	177.85 E	270.82	0.78
3304.00	13.98	21.59	3264.25	290.92 N	185.61 E	290.79	0.49
3393.00	13.99	22.26	3350.62	310.87 N	193.64 E	310.73	0.18
3483.00	14.63	22.23	3437.82	331.46 N	202.06 E	331.32	0.71
3573.00	14.93	22.33	3524.84	352.71 N	210.77 E	352.56	0.33
3662.00	13.85	23.60	3611.05	373.07 N	219.39 E	372.92	1.26
3752.00	13.77	23.31	3698.45	392.78 N	227.94 E	392.62	0.11
3842.00	13.26	25.71	3785.96	411.92 N	236.65 E	411.76	0.84
3932.00	11.39	26.82	3873.88	429.15 N	245.14 E	428.98	2.10
4022.00	10.62	25.08	3962.22	444.60 N	252.67 E	444.42	0.93
4111.00	11.17	26.46	4049.62	459.74 N	259.98 E	459.56	0.68
4201.00	12.24	28.13	4137.75	475.96 N	268.36 E	475.77	1.25
4290.00	12.94	28.09	4224.61	493.07 N	277.50 E	492.87	0.78
4380.00	13.05	27.73	4312.30	510.95 N	286.98 E	510.75	0.16
4469.00	12.27	25.53	4399.14	528.38 N	295.73 E	528.17	1.04
4559.00	12.03	24.22	4487.13	545.55 N	303.69 E	545.34	0.40
4648.00	12.48	25.91	4574.10	562.66 N	311.70 E	562.44	0.65
4738.00	13.09	28.42	4661.86	580.38 N	320.81 E	580.15	0.92
4828.00	13.17	28.23	4749.51	598.38 N	330.51 E	598.14	0.10
4918.00	14.16	28.22	4836.96	617.11 N	340.56 E	616.87	1.10

5007.00	14.78	27.45	4923.14	636.78 N	350.95 E	636.54	0.73
5077.00	13.62	26.91	5010.15	657.24 N	361.45 E	656.98	1.40
5187.00	13.62	25.27	5097.39	677.08 N	371.18 E	676.82	1.40
5276.00	13.64	25.68	5183.89	696.01 N	380.20 E	695.74	0.11
5366.00	13.21	25.45	5271.43	714.86 N	389.22 E	714.59	0.48
5455.00	12.21	24.36	5358.25	732.62 N	397.47 E	732.34	1.15
5544.00	10.99	27.30	5445.43	748.73 N	405.25 E	748.45	1.52
5634.00	10.61	27.56	5533.83	763.71 N	413.02 E	763.42	0.43
5723.00	12.13	28.60	5621.08	779.19 N	421.29 E	778.89	1.72
5813.00	12.86	29.94	5708.95	796.17 N	430.82 E	795.87	0.87
5903.00	11.12	29.10	5796.98	812.44 N	440.04 E	812.13	1.94
5992.00	11.38	29.67	5884.27	827.57 N	448.56 E	827.26	0.32
6082.00	12.23	30.17	5972.36	843.53 N	457.75 E	843.21	0.95
6171.00	13.40	29.55	6059.14	860.66 N	467.58 E	860.33	1.32
6262.00	13.38	29.09	6147.67	879.03 N	477.90 E	878.70	0.12
6351.00	11.85	28.10	6234.52	896.09 N	487.21 E	895.75	1.74
6441.00	12.34	25.67	6322.52	912.91 N	495.73 E	912.57	0.79
6530.00	13.92	27.13	6409.19	931.01 N	504.73 E	930.66	1.81
6620.00	12.55	27.96	6496.80	949.28 N	514.25 E	948.93	1.53
6709.00	12.13	27.69	6583.74	966.11 N	523.13 E	965.74	0.48
6798.00	11.66	26.95	6670.83	982.40 N	531.55 E	982.03	0.56
6888.00	10.22	26.88	6759.19	997.63 N	539.29 E	997.25	1.60
6978.00	9.64	30.36	6847.85	1011.26 N	546.70 E	1010.87	0.93
7067.00	8.59	25.72	6935.72	1023.68 N	553.35 E	1023.29	1.43
7157.00	7.73	24.12	7024.81	1035.26 N	558.75 E	1034.87	1.00
7246.00	7.36	21.59	7113.04	1046.02 N	563.29 E	1045.63	0.55
7336.00	9.68	21.22	7202.04	1058.44 N	568.15 E	1058.04	2.57
7426.00	12.28	23.86	7290.39	1074.25 N	574.76 E	1073.84	2.95
7516.00	14.73	23.52	7377.89	1093.49 N	583.20 E	1093.08	2.72
7605.00	13.88	24.23	7464.13	1113.60 N	592.10 E	1113.18	0.97
7695.00	9.85	16.62	7552.20	1130.83 N	598.73 E	1130.41	4.79
7784.00	8.11	17.87	7640.10	1144.10 N	602.84 E	1143.68	1.97
7874.00	9.60	25.32	7729.03	1156.93 N	607.99 E	1156.51	2.08
7963.00	11.85	25.92	7816.47	1171.86 N	615.16 E	1171.43	2.53
8052.00	12.76	31.57	7903.43	1188.45 N	624.30 E	1188.01	1.70
8142.00	13.02	29.01	7991.16	1205.78 N	634.42 E	1205.33	0.70
8232.00	12.25	29.75	8078.98	1222.93 N	644.07 E	1222.48	0.87
8321.00	10.64	32.11	8166.21	1238.09 N	653.12 E	1237.63	1.88
8411.00	9.88	27.41	8254.77	1251.98 N	661.09 E	1251.52	1.26
8501.00	8.77	22.63	8343.58	1265.17 N	667.29 E	1264.70	1.50
8590.00	6.88	16.75	8431.75	1276.54 N	671.44 E	1276.07	2.31
8680.00	7.19	20.85	8521.07	1286.96 N	674.99 E	1286.49	0.66
8769.00	6.97	23.74	8609.39	1297.11 N	679.15 E	1296.64	0.47
8859.00	6.50	27.89	8698.77	1306.61 N	683.73 E	1306.13	0.75
8948.00	5.80	28.54	8787.26	1315.01 N	688.24 E	1314.53	0.79
9038.00	4.91	27.99	8876.87	1322.40 N	692.22 E	1321.92	0.99
9128.00	3.03	29.60	8966.65	1327.87 N	695.20 E	1327.39	2.09
9217.00	0.29	111.78	9055.61	1329.84 N	696.57 E	1329.35	3.38
9307.00	1.08	251.57	9145.60	1329.48 N	695.98 E	1329.00	1.46
9396.00	1.51	251.36	9234.58	1328.84 N	694.08 E	1328.36	0.49
9486.00	1.89	242.46	9324.54	1327.78 N	691.64 E	1327.29	0.51
9551.00	2.51	226.72	9389.49	1326.30 N	689.65 E	1325.82	1.33
9649.00	3.34	0.43	9487.43	1327.69 N	688.10 E	1327.21	5.51
9739.00	12.78	5.20	9576.44	1340.26 N	689.03 E	1339.78	10.51
9828.00	23.58	353.38	9660.90	1367.85 N	687.87 E	1367.36	12.76
9918.00	32.76	351.05	9740.16	1409.88 N	681.99 E	1409.40	10.27
10008.00	43.38	350.46	9810.90	1464.57 N	673.05 E	1464.10	11.81
10098.00	48.51	355.99	9873.49	1528.75 N	665.57 E	1528.28	7.20
10188.00	52.05	1.30	9931.01	1597.90 N	664.01 E	1597.43	6.00
10278.00	56.00	3.24	9983.87	1670.66 N	666.93 E	1670.19	4.73
10367.00	66.77	2.42	10026.43	1748.58 N	670.75 E	1748.11	12.13
10457.00	71.14	0.89	10058.74	1832.52 N	673.17 E	1832.05	5.11
10546.00	77.45	2.85	10082.82	1918.10 N	675.99 E	1917.63	7.40
10636.00	89.20	3.45	10093.27	2007.20 N	680.90 E	2006.72	13.07
10725.00	92.62	3.55	10091.85	2096.01 N	686.33 E	2095.53	3.85
10815.00	89.01	6.12	10090.57	2185.66 N	693.92 E	2185.17	4.92
10838.00	89.24	6.54	10090.92	2208.51 N	696.46 E	2208.03	2.06
10927.00	89.75	5.54	10091.70	2297.01 N	705.82 E	2296.52	1.26
11017.00	89.61	2.10	10092.20	2386.80 N	711.82 E	2386.30	3.83
11106.00	89.85	0.24	10092.63	2475.78 N	713.64 E	2475.28	2.11
11196.00	90.05	0.62	10092.71	2565.77 N	714.31 E	2565.27	0.48
11286.00	89.71	0.94	10092.89	2655.76 N	715.54 E	2655.26	0.52
11375.00	89.78	0.54	10093.28	2744.76 N	716.69 E	2744.25	0.46
11464.00	89.78	0.54	10093.24	2834.75 N	717.49 E	2834.25	0.56
11554.00	89.85	0.47	10093.73	2924.73 N	718.68 E	2924.27	0.35
11643.00	89.85	0.47	10093.73	3014.73 N	719.87 E	3014.27	0.35

11554.00	90.37	0.15	10092.73	2923.75 N	717.99 E	2923.25	0.39
11644.00	90.18	0.42	10092.30	3013.75 N	718.44 E	3013.24	0.37
11733.00	89.78	0.50	10092.34	3102.74 N	719.16 E	3102.24	0.46
11823.00	89.90	359.96	10092.59	3192.74 N	719.52 E	3192.24	0.62
11913.00	90.56	0.19	10092.23	3282.74 N	719.64 E	3282.24	0.78
12002.00	90.68	356.53	10091.26	3371.68 N	717.09 E	3371.18	4.12
12091.00	90.05	356.99	10090.70	3460.54 N	712.05 E	3460.04	0.88
12180.00	90.53	358.76	10090.25	3549.47 N	708.75 E	3548.98	2.07
12270.00	90.69	359.88	10089.29	3639.46 N	707.68 E	3638.96	1.26
12360.00	89.89	359.94	10088.83	3729.46 N	707.54 E	3728.96	0.90
12449.00	89.88	0.44	10089.01	3818.46 N	707.84 E	3817.96	0.56
12538.00	90.39	0.70	10088.79	3907.45 N	708.72 E	3906.96	0.65
12628.00	89.90	0.05	10088.56	3997.45 N	709.31 E	3996.95	0.91
12718.00	90.49	0.64	10088.26	4087.45 N	709.85 E	4086.95	0.93
12807.00	90.49	0.76	10087.50	4176.44 N	710.93 E	4175.94	0.13
12896.00	90.44	0.35	10086.77	4265.43 N	711.79 E	4264.93	0.46
12985.00	90.47	0.49	10086.07	4354.42 N	712.44 E	4353.92	0.16
13075.00	90.66	0.80	10085.18	4444.41 N	713.46 E	4443.91	0.40
13164.00	89.70	0.56	10084.90	4533.41 N	714.52 E	4532.90	1.11
13254.00	89.54	0.53	10085.50	4623.40 N	715.38 E	4622.90	0.18
13343.00	89.57	0.64	10086.19	4712.39 N	716.29 E	4711.89	0.13
13433.00	90.20	0.75	10086.37	4802.38 N	717.39 E	4801.88	0.71
13522.00	89.84	0.64	10086.34	4891.38 N	718.47 E	4890.87	0.43
13612.00	89.58	0.62	10086.80	4981.37 N	719.45 E	4980.87	0.29
13701.00	90.29	359.62	10086.90	5070.37 N	719.63 E	5069.87	1.38
13791.00	89.49	359.48	10087.07	5160.37 N	718.92 E	5159.86	0.91
13881.00	89.82	0.17	10087.61	5250.36 N	718.64 E	5249.86	0.85
13970.00	90.08	359.98	10087.68	5339.36 N	718.75 E	5338.86	0.36
14059.00	89.71	359.87	10087.84	5428.36 N	718.64 E	5427.86	0.44
14149.00	89.47	0.10	10088.49	5518.36 N	718.62 E	5517.86	0.37
14238.00	89.81	0.05	10089.05	5607.36 N	718.73 E	5606.85	0.39
14330.00	89.64	0.01	10089.50	5699.36 N	718.78 E	5698.85	0.19
14419.00	89.44	0.14	10090.21	5788.35 N	718.90 E	5787.85	0.26
14508.00	90.05	0.04	10090.60	5877.35 N	719.03 E	5876.85	0.69
14598.00	90.38	359.92	10090.26	5967.35 N	719.00 E	5966.85	0.38
14688.00	88.94	359.48	10090.79	6057.35 N	718.52 E	6056.84	1.67
14777.00	89.36	359.66	10092.12	6146.33 N	717.85 E	6145.83	0.51
14867.00	89.95	359.57	10092.66	6236.33 N	717.25 E	6235.83	0.66
14957.00	88.68	359.61	10093.74	6326.32 N	716.60 E	6325.82	1.41
15046.00	90.52	0.54	10094.37	6415.31 N	716.72 E	6414.81	2.31
15136.00	90.12	1.42	10093.86	6505.30 N	718.26 E	6504.79	1.07
15226.00	90.02	1.38	10093.75	6595.27 N	720.47 E	6594.76	0.12
15315.00	90.07	0.79	10093.67	6684.25 N	722.16 E	6683.75	0.67
15404.00	90.50	1.11	10093.23	6773.24 N	723.63 E	6772.73	0.61
15494.00	88.66	0.26	10093.89	6863.23 N	724.71 E	6862.72	2.26
15584.00	89.07	0.86	10095.67	6953.20 N	725.59 E	6952.69	0.82
15673.00	90.53	0.60	10095.98	7042.19 N	726.73 E	7041.68	1.67
15763.00	89.64	359.46	10095.84	7132.19 N	726.78 E	7131.68	1.60
15852.00	91.12	356.57	10095.25	7221.12 N	723.70 E	7220.62	3.65
15942.00	90.66	352.62	10093.85	7310.69 N	715.22 E	7310.19	4.42
16032.00	89.75	355.98	10093.53	7400.23 N	706.29 E	7399.74	3.87
16121.00	90.26	358.10	10093.53	7489.11 N	701.69 E	7488.62	2.45
16210.00	89.91	359.30	10093.40	7578.09 N	699.68 E	7577.59	1.41
16300.00	90.41	1.05	10093.15	7668.08 N	699.96 E	7667.59	2.02
16390.00	90.20	0.73	10092.67	7758.07 N	701.35 E	7757.58	0.42
16479.00	90.59	0.83	10092.05	7847.06 N	702.57 E	7846.56	0.46
16569.00	89.80	0.53	10091.74	7937.05 N	703.64 E	7936.56	0.95
16658.00	89.84	1.03	10092.02	8026.04 N	704.84 E	8025.55	0.56
16747.00	89.71	1.14	10092.37	8115.03 N	706.53 E	8114.53	0.19
16836.00	88.86	0.79	10093.48	8204.00 N	708.03 E	8203.51	1.04
16926.00	89.80	1.12	10094.53	8293.98 N	709.54 E	8293.49	1.11
17015.00	89.73	0.70	10094.90	8382.97 N	710.96 E	8382.47	0.48
17105.00	88.96	0.74	10095.93	8472.96 N	712.09 E	8472.46	0.86
17194.00	90.25	1.19	10096.55	8561.94 N	713.59 E	8561.44	1.53
17284.00	89.10	0.72	10097.06	8651.93 N	715.09 E	8651.42	1.38
17374.00	89.24	1.24	10098.38	8741.90 N	716.64 E	8741.40	0.60
17463.00	89.34	1.32	10099.48	8830.87 N	718.63 E	8830.37	0.14
17553.00	88.75	1.20	10100.99	8920.84 N	720.61 E	8920.33	0.67
17642.00	89.37	0.27	10102.44	9009.82 N	721.74 E	9009.31	1.26
17732.00	88.93	0.39	10103.78	9099.81 N	722.26 E	9099.30	0.52
17821.00	89.54	0.38	10104.97	9188.80 N	722.86 E	9188.29	0.70
17911.00	89.44	0.55	10105.76	9278.79 N	723.59 E	9278.28	0.23
18000.00	89.12	359.54	10106.88	9367.78 N	723.66 E	9367.27	1.20
18090.00	89.04	359.98	10108.32	9457.77 N	723.20 E	9457.26	0.39
18180.00	88.08	359.34	10110.58	9547.74 N	722.59 E	9547.23	1.22

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18269.00	87.81	359.18	10113.77	9636.67 N	721.43 E	9636.17	0.36
18448.00	89.06	359.61	10116.62	9725.62 N	720.49 E	9725.11	0.59
18537.00	88.72	359.40	10118.52	9815.60 N	719.88 E	9815.09	0.45
18628.00	89.97	359.65	10120.24	9904.58 N	719.11 E	9904.07	1.40
			10121.29	9995.57 N	718.35 E	9995.06	
18718.00	90.49	359.34	10120.93	10085.56 N	717.56 E	10085.06	0.67
18807.00	89.95	359.00	10120.59	10174.55 N	716.26 E	10174.05	0.72
18897.00	90.75	359.79	10120.04	10264.54 N	715.31 E	10264.04	1.26
18986.00	91.55	1.25	10118.26	10353.52 N	716.12 E	10353.02	1.87
19076.00	89.69	359.94	10117.29	10443.50 N	717.05 E	10443.00	2.53
19165.00	90.21	359.76	10117.37	10532.50 N	716.82 E	10532.00	0.61
19255.00	89.88	359.79	10117.30	10622.50 N	716.47 E	10622.00	0.36
19344.00	90.35	359.31	10117.11	10711.50 N	715.77 E	10711.00	0.75
19435.00	90.01	359.99	10116.83	10802.50 N	715.22 E	10801.99	0.84
19524.00	89.25	359.96	10117.41	10891.49 N	715.18 E	10890.99	0.85
19614.00	90.11	0.14	10117.91	10981.49 N	715.26 E	10980.99	0.97
19703.00	90.38	0.09	10117.53	11070.49 N	715.44 E	11069.99	0.31
19793.00	90.33	0.23	10116.98	11160.49 N	715.69 E	11159.98	0.17
19882.00	90.42	0.07	10116.39	11249.48 N	715.92 E	11248.98	0.21
19972.00	89.45	359.90	10116.49	11339.48 N	715.89 E	11338.98	1.10
20061.00	90.66	0.14	10116.40	11428.48 N	715.92 E	11427.98	1.38
20143.00	90.37	359.76	10115.67	11510.48 N	715.85 E	11509.97	0.58
20160.00	90.37	359.76	10115.56	11527.48 N	715.78 E	11526.97	0.01

CALCULATION BASED ON MINIMUM CURVATURE METHOD

SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT
TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT

VERTICAL SECTION RELATIVE TO WELL HEAD
VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 359.96 DEGREES (GRID)
A TOTAL CORRECTION OF 6.79 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 20160.00 FEET
IS 11549.68 FEET ALONG 3.55 DEGREES (GRID)

SURVEYS CALCULATED USING SHORT COLLAR METHOD.
WELL ASSUMED VERTICAL AT WELLHEAD.
SURVEY FROM 2765' MD TO 20160' MD PROVIDED BY SPERRY DRILLING.
SURVEY AT 20143' MD IS PROJECTED TO TD AT 20160' MD.
SPERRY DRILLING ENGINEERS: CHAD HAGUE, MARY DEADY

Date Printed:14 March 2020

Geological Tops (MD)	
BLUE STEEL 21 WXY FED COM 18H	
Salado	
Castile	
Base Salt	3015
Lamar	3068
Delaware Sands (Bell Canyon)	3097
Cherry Canyon	3929
Brushy Canyon	5127
Bone Spring	6882
Wolfcamp	10259

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM119272

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
BLUE STEEL 21 WXY FED COM 18H9. API Well No.
30-015-46209-00-X110. Field and Pool or Exploratory Area
PURPLE SAGE-WOLFCAMP (GAS)11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MARATHON OIL PERMIAN LLC

Contact: ADRIAN COVARRUBIAS

E-Mail: acovarrubias@marathonoil.com

3a. Address

5555 SAN FELIPE ST
HOUSTON, TX 77056

3b. Phone No. (include area code)

Ph: 713.296.3368

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 28 T23S R29E NENE 1219FNL 1057FEL
32.279873 N Lat, 103.984047 W Lon

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Drilling Operations
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

05/08/2020 Started Frac Prep operations. 5/12/2020 Pressure test production casing to 9500 psi for 30 min, held, good test. 05/18/2020 Start frac stages 1-32 with 2 shots per foot for a total of 1078 shots, 0.42-in. in size using 23,952,720 lbs of 40/70; 100 Mesh. Stimulated with 534 bbls of 15% HCL acid. Total interval from 20,021 to 10,302. 5/28/2020 - Rig down and move out. Wait for flowback.

Marathon is requesting a tubing exception for this well.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #527587 verified by the BLM Well Information System**For MARATHON OIL PERMIAN LLC, sent to the Carlsbad****Committed to AFMSS for processing by PRISCILLA PEREZ on 08/27/2020 (20PP3883SE)**

Name (Printed/Typed) ADRIAN COVARRUBIAS

Title REGULATORY PROFESSIONAL

Signature (Electronic Submission)

Date 08/27/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJONATHON SHEPARD
Title PETROLEUM ENGINEER

Date 08/29/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Revisions to Operator-Submitted EC Data for Sundry Notice #527587

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	DRG SR	DRG SR
Lease:	NMNM119272	NMNM119272
Agreement:		
Operator:	MARATHON OIL PERMIAN LLC 5555 SAN FELIPE ST HOUSTON, TX 77056 Ph: 713-296-3368	MARATHON OIL PERMIAN LLC 5555 SAN FELIPE ST HOUSTON, TX 77056 Ph: 713.629 6600
Admin Contact:	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713-296-3368	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713.296.3368
Tech Contact:	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713-296-3368	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713.296.3368
Location: State: County:	NM EDDY	NM EDDY
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	BLUE STEEL 21 WXY FEDERAL COM 18H Sec 28 T23S R29E Mer NMP NENE 1220FNL 877FEL	BLUE STEEL 21 WXY FED COM 18H Sec 28 T23S R29E NENE 1219FNL 1057FEL 32.279873 N Lat, 103.984047 W Lon

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 17438

CONDITIONS OF APPROVAL

Operator: MARATHON OIL PERMIAN LLC 5555 San Felipe St. Permian Regulatory Team Houston, TX77056		OGRID: 372098	Action Number: 17438	Action Type: C-104C
OCD Reviewer	Condition			
ksimmons	Please submit 3160-4 Completion Report when approved copy rec'd from BLM.			