

V-F Petroleum Inc.
Standard Planning Report
Getty 1 State Com #324H

Location: 1-22S-34E
 Pool: Grama Ridge; Wolfcamp, West [97393]
 GL Elev: 3598
 Method: Minimum Curvature

30-025-

44803

HOBBS OCD
 MAY 17 2018
 RECEIVED

Surface Latitude: 32.414387
 Surface Longitude: -103.41608
 Bottom Hole Latitude: 32.427318
 Bottom Hole Longitude: -103.41604

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Measured			Vertical			Vertical	Dogleg	Build
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
0	0.0	359.7	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	359.7	100.0	0.0	0.0	0.0	0.0	0.0
200	0.0	359.7	200.0	0.0	0.0	0.0	0.0	0.0
300	0.0	359.7	300.0	0.0	0.0	0.0	0.0	0.0
400	0.0	359.7	400.0	0.0	0.0	0.0	0.0	0.0
500	0.0	359.7	500.0	0.0	0.0	0.0	0.0	0.0
600	0.0	359.7	600.0	0.0	0.0	0.0	0.0	0.0
700	0.0	359.7	700.0	0.0	0.0	0.0	0.0	0.0
800	0.0	359.7	800.0	0.0	0.0	0.0	0.0	0.0
900	0.0	359.7	900.0	0.0	0.0	0.0	0.0	0.0
1000	0.0	359.7	1000.0	0.0	0.0	0.0	0.0	0.0
1100	0.0	359.7	1100.0	0.0	0.0	0.0	0.0	0.0
1200	0.0	359.7	1200.0	0.0	0.0	0.0	0.0	0.0
1300	0.0	359.7	1300.0	0.0	0.0	0.0	0.0	0.0
1400	0.0	359.7	1400.0	0.0	0.0	0.0	0.0	0.0
1500	0.0	359.7	1500.0	0.0	0.0	0.0	0.0	0.0
1600	0.0	359.7	1600.0	0.0	0.0	0.0	0.0	0.0
1700	0.0	359.7	1700.0	0.0	0.0	0.0	0.0	0.0
1800	0.0	359.7	1800.0	0.0	0.0	0.0	0.0	0.0
1900	0.0	359.7	1900.0	0.0	0.0	0.0	0.0	0.0
2000	0.0	359.7	2000.0	0.0	0.0	0.0	0.0	0.0
2100	0.0	359.7	2100.0	0.0	0.0	0.0	0.0	0.0
2200	0.0	359.7	2200.0	0.0	0.0	0.0	0.0	0.0
2300	0.0	359.7	2300.0	0.0	0.0	0.0	0.0	0.0
2400	0.0	359.7	2400.0	0.0	0.0	0.0	0.0	0.0
2500	0.0	359.7	2500.0	0.0	0.0	0.0	0.0	0.0
2600	0.0	359.7	2600.0	0.0	0.0	0.0	0.0	0.0
2700	0.0	359.7	2700.0	0.0	0.0	0.0	0.0	0.0
2800	0.0	359.7	2800.0	0.0	0.0	0.0	0.0	0.0
2900	0.0	359.7	2900.0	0.0	0.0	0.0	0.0	0.0
3000	0.0	359.7	3000.0	0.0	0.0	0.0	0.0	0.0
3100	0.0	359.7	3100.0	0.0	0.0	0.0	0.0	0.0
3200	0.0	359.7	3200.0	0.0	0.0	0.0	0.0	0.0
3300	0.0	359.7	3300.0	0.0	0.0	0.0	0.0	0.0
3400	0.0	359.7	3400.0	0.0	0.0	0.0	0.0	0.0
3500	0.0	359.7	3500.0	0.0	0.0	0.0	0.0	0.0
3600	0.0	359.7	3600.0	0.0	0.0	0.0	0.0	0.0
3700	0.0	359.7	3700.0	0.0	0.0	0.0	0.0	0.0
3800	0.0	359.7	3800.0	0.0	0.0	0.0	0.0	0.0
3900	0.0	359.7	3900.0	0.0	0.0	0.0	0.0	0.0
4000	0.0	359.7	4000.0	0.0	0.0	0.0	0.0	0.0

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Pool:	Grama Ridge; Wolfcamp, West [97393]		Surface Longitude:	-103.41608
GL Elev:	3598		Bottom Hole Latitude:	32.427318
Method:	Minimum Curvature		Bottom Hole Longitude:	-103.41604

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Measured			Vertical			Vertical	Dogleg	Build
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
4100	0.0	359.7	4100.0	0.0	0.0	0.0	0.0	0.0
4200	0.0	359.7	4200.0	0.0	0.0	0.0	0.0	0.0
4300	0.0	359.7	4300.0	0.0	0.0	0.0	0.0	0.0
4400	0.0	359.7	4400.0	0.0	0.0	0.0	0.0	0.0
4500	0.0	359.7	4500.0	0.0	0.0	0.0	0.0	0.0
4600	0.0	359.7	4600.0	0.0	0.0	0.0	0.0	0.0
4700	0.0	359.7	4700.0	0.0	0.0	0.0	0.0	0.0
4800	0.0	359.7	4800.0	0.0	0.0	0.0	0.0	0.0
4900	0.0	359.7	4900.0	0.0	0.0	0.0	0.0	0.0
5000	0.0	359.7	5000.0	0.0	0.0	0.0	0.0	0.0
5100	0.0	359.7	5100.0	0.0	0.0	0.0	0.0	0.0
5200	0.0	359.7	5200.0	0.0	0.0	0.0	0.0	0.0
5300	0.0	359.7	5300.0	0.0	0.0	0.0	0.0	0.0
5400	0.0	359.7	5400.0	0.0	0.0	0.0	0.0	0.0
5500	0.0	359.7	5500.0	0.0	0.0	0.0	0.0	0.0
5600	0.0	359.7	5600.0	0.0	0.0	0.0	0.0	0.0
5700	0.0	359.7	5700.0	0.0	0.0	0.0	0.0	0.0
5800	0.0	359.7	5800.0	0.0	0.0	0.0	0.0	0.0
5900	0.0	359.7	5900.0	0.0	0.0	0.0	0.0	0.0
6000	0.0	359.7	6000.0	0.0	0.0	0.0	0.0	0.0
6100	0.0	359.7	6100.0	0.0	0.0	0.0	0.0	0.0
6200	0.0	359.7	6200.0	0.0	0.0	0.0	0.0	0.0
6300	0.0	359.7	6300.0	0.0	0.0	0.0	0.0	0.0
6400	0.0	359.7	6400.0	0.0	0.0	0.0	0.0	0.0
6500	0.0	359.7	6500.0	0.0	0.0	0.0	0.0	0.0
6600	0.0	359.7	6600.0	0.0	0.0	0.0	0.0	0.0
6700	0.0	359.7	6700.0	0.0	0.0	0.0	0.0	0.0
6800	0.0	359.7	6800.0	0.0	0.0	0.0	0.0	0.0
6900	0.0	359.7	6900.0	0.0	0.0	0.0	0.0	0.0
7000	0.0	359.7	7000.0	0.0	0.0	0.0	0.0	0.0
7100	0.0	359.7	7100.0	0.0	0.0	0.0	0.0	0.0
7200	0.0	359.7	7200.0	0.0	0.0	0.0	0.0	0.0
7300	0.0	359.7	7300.0	0.0	0.0	0.0	0.0	0.0
7400	0.0	359.7	7400.0	0.0	0.0	0.0	0.0	0.0
7500	0.0	359.7	7500.0	0.0	0.0	0.0	0.0	0.0
7600	0.0	359.7	7600.0	0.0	0.0	0.0	0.0	0.0
7700	0.0	359.7	7700.0	0.0	0.0	0.0	0.0	0.0
7800	0.0	359.7	7800.0	0.0	0.0	0.0	0.0	0.0
7900	0.0	359.7	7900.0	0.0	0.0	0.0	0.0	0.0
8000	0.0	359.7	8000.0	0.0	0.0	0.0	0.0	0.0
8100	0.0	359.7	8100.0	0.0	0.0	0.0	0.0	0.0

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GL Elev:	3598		Bottom Hole Latitude:	32.427318
Method:	Minimum Curvature		Bottom Hole Longitude:	-103.41604

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Measured			Vertical			Vertical	Dogleg	Build
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
8200	0.0	359.7	8200.0	0.0	0.0	0.0	0.0	0.0
8300	0.0	359.7	8300.0	0.0	0.0	0.0	0.0	0.0
8400	0.0	359.7	8400.0	0.0	0.0	0.0	0.0	0.0
8500	0.0	359.7	8500.0	0.0	0.0	0.0	0.0	0.0
8600	0.0	359.7	8600.0	0.0	0.0	0.0	0.0	0.0
8700	0.0	359.7	8700.0	0.0	0.0	0.0	0.0	0.0
8800	0.0	359.7	8800.0	0.0	0.0	0.0	0.0	0.0
8900	0.0	359.7	8900.0	0.0	0.0	0.0	0.0	0.0
9000	0.0	359.7	9000.0	0.0	0.0	0.0	0.0	0.0
9100	0.0	359.7	9100.0	0.0	0.0	0.0	0.0	0.0
9200	0.0	359.7	9200.0	0.0	0.0	0.0	0.0	0.0
9300	0.0	359.7	9300.0	0.0	0.0	0.0	0.0	0.0
9400	0.0	359.7	9400.0	0.0	0.0	0.0	0.0	0.0
9500	0.0	359.7	9500.0	0.0	0.0	0.0	0.0	0.0
9600	0.0	359.7	9600.0	0.0	0.0	0.0	0.0	0.0
9700	0.0	359.7	9700.0	0.0	0.0	0.0	0.0	0.0
9800	0.0	359.7	9800.0	0.0	0.0	0.0	0.0	0.0
9900	0.0	359.7	9900.0	0.0	0.0	0.0	0.0	0.0
10000	0.0	359.7	10000.0	0.0	0.0	0.0	0.0	0.0
10100	0.0	359.7	10100.0	0.0	0.0	0.0	0.0	0.0
10200	0.0	359.7	10200.0	0.0	0.0	0.0	0.0	0.0
10300	0.0	359.7	10300.0	0.0	0.0	0.0	0.0	0.0
10400	0.0	359.7	10400.0	0.0	0.0	0.0	0.0	0.0
10500	0.0	359.7	10500.0	0.0	0.0	0.0	0.0	0.0
10600	0.0	359.7	10600.0	0.0	0.0	0.0	0.0	0.0
10700	0.0	359.7	10700.0	0.0	0.0	0.0	0.0	0.0
10800	0.0	359.7	10799.5	0.0	0.0	0.0	0.0	0.0
10810	1.2	359.7	10809.5	0.1	0.0	0.1	12.0	12.0
10820	2.4	359.7	10819.5	0.4	0.0	0.4	12.0	12.0
10830	3.6	359.7	10829.5	1.0	0.0	1.0	12.0	12.0
10840	4.8	359.7	10839.5	1.7	0.0	1.7	12.0	12.0
10850	6.0	359.7	10849.5	2.6	0.0	2.6	12.0	12.0
10860	7.2	359.7	10859.4	3.8	0.0	3.8	12.0	12.0
10870	8.4	359.7	10869.3	5.1	0.0	5.1	12.0	12.0
10880	9.6	359.7	10879.2	6.7	0.0	6.7	12.0	12.0
10890	10.8	359.7	10889.0	8.5	-0.1	8.5	12.0	12.0
10900	12.0	359.7	10898.8	10.4	-0.1	10.4	12.0	12.0
10910	13.2	359.7	10908.6	12.6	-0.1	12.6	12.0	12.0
10920	14.4	359.7	10918.3	15.0	-0.1	15.0	12.0	12.0
10930	15.6	359.7	10928.0	17.6	-0.1	17.6	12.0	12.0
10940	16.8	359.7	10937.6	20.4	-0.1	20.4	12.0	12.0

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Surface Latitude: 32.414387
 Surface Longitude: -103.41608
 Bottom Hole Latitude: 32.427318
 Bottom Hole Longitude: -103.41604

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Measured			Vertical			Vertical	Dogleg	Build
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
10950	18.0	359.7	10947.1	23.4	-0.1	23.4	12.0	12.0
10960	19.2	359.7	10956.6	26.6	-0.2	26.6	12.0	12.0
10970	20.4	359.7	10966.0	30.0	-0.2	30.0	12.0	12.0
10980	21.6	359.7	10975.3	33.5	-0.2	33.5	12.0	12.0
10990	22.8	359.7	10984.6	37.3	-0.2	37.3	12.0	12.0
11000	24.0	359.7	10993.8	41.3	-0.3	41.3	12.0	12.0
11010	25.2	359.7	11002.9	45.5	-0.3	45.5	12.0	12.0
11020	26.4	359.7	11011.9	49.8	-0.3	49.8	12.0	12.0
11030	27.6	359.7	11020.8	54.3	-0.3	54.3	12.0	12.0
11040	28.8	359.7	11029.6	59.1	-0.4	59.1	12.0	12.0
11050	30.0	359.7	11038.3	64.0	-0.4	64.0	12.0	12.0
11060	31.2	359.7	11046.9	69.1	-0.4	69.1	12.0	12.0
11070	32.4	359.7	11055.4	74.3	-0.5	74.3	12.0	12.0
11080	33.6	359.7	11063.8	79.8	-0.5	79.8	12.0	12.0
11090	34.8	359.7	11072.1	85.4	-0.5	85.4	12.0	12.0
11100	36.0	359.7	11080.3	91.2	-0.6	91.2	12.0	12.0
11110	37.2	359.7	11088.3	97.2	-0.6	97.2	12.0	12.0
11120	38.4	359.7	11096.2	103.3	-0.6	103.3	12.0	12.0
11130	39.6	359.7	11104.0	109.6	-0.7	109.6	12.0	12.0
11140	40.8	359.7	11111.6	116.0	-0.7	116.0	12.0	12.0
11150	42.0	359.7	11119.1	122.6	-0.7	122.7	12.0	12.0
11160	43.2	359.7	11126.5	129.4	-0.8	129.4	12.0	12.0
11170	44.4	359.7	11133.7	136.3	-0.8	136.3	12.0	12.0
11180	45.6	359.7	11140.8	143.4	-0.9	143.4	12.0	12.0
11190	46.8	359.7	11147.7	150.6	-0.9	150.6	12.0	12.0
11200	48.0	359.7	11154.5	158.0	-1.0	158.0	12.0	12.0
11210	49.2	359.7	11161.1	165.5	-1.0	165.5	12.0	12.0
11220	50.4	359.7	11167.6	173.1	-1.1	173.1	12.0	12.0
11230	51.6	359.7	11173.9	180.9	-1.1	180.9	12.0	12.0
11240	52.8	359.7	11180.0	188.8	-1.1	188.8	12.0	12.0
11250	54.0	359.7	11186.0	196.8	-1.2	196.8	12.0	12.0
11260	55.2	359.7	11191.8	205.0	-1.2	205.0	12.0	12.0
11270	56.4	359.7	11197.4	213.2	-1.3	213.3	12.0	12.0
11280	57.6	359.7	11202.8	221.6	-1.3	221.6	12.0	12.0
11290	58.8	359.7	11208.1	230.1	-1.4	230.1	12.0	12.0
11300	60.0	359.7	11213.2	238.7	-1.4	238.7	12.0	12.0
11310	61.2	359.7	11218.1	247.5	-1.5	247.5	12.0	12.0
11320	62.4	359.7	11222.8	256.3	-1.6	256.3	12.0	12.0
11330	63.6	359.7	11227.3	265.2	-1.6	265.2	12.0	12.0
11340	64.8	359.7	11231.7	274.2	-1.7	274.2	12.0	12.0
11350	66.0	359.7	11235.9	283.3	-1.7	283.3	12.0	12.0

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Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
11360	67.2	359.7	11239.9	292.4	-1.8	292.5	12.0	12.0
11370	68.4	359.7	11243.7	301.7	-1.8	301.7	12.0	12.0
11380	69.6	359.7	11247.3	311.0	-1.9	311.0	12.0	12.0
11390	70.8	359.7	11250.7	320.4	-1.9	320.5	12.0	12.0
11400	72.0	359.7	11253.9	329.9	-2.0	329.9	12.0	12.0
11410	73.2	359.7	11256.9	339.5	-2.1	339.5	12.0	12.0
11420	74.4	359.7	11259.7	349.1	-2.1	349.1	12.0	12.0
11430	75.6	359.7	11262.3	358.7	-2.2	358.7	12.0	12.0
11440	76.8	359.7	11264.7	368.4	-2.2	368.4	12.0	12.0
11450	78.0	359.7	11266.9	378.2	-2.3	378.2	12.0	12.0
11460	79.2	359.7	11268.9	388.0	-2.4	388.0	12.0	12.0
11470	80.4	359.7	11270.7	397.8	-2.4	397.8	12.0	12.0
11480	81.6	359.7	11272.3	407.7	-2.5	407.7	12.0	12.0
11490	82.8	359.7	11273.7	417.6	-2.5	417.6	12.0	12.0
11500	84.0	359.7	11274.8	427.6	-2.6	427.6	12.0	12.0
11510	85.2	359.7	11275.7	437.5	-2.7	437.5	12.0	12.0
11520	86.4	359.7	11276.4	447.5	-2.7	447.5	12.0	12.0
11530	87.6	359.7	11276.9	457.5	-2.8	457.5	12.0	12.0
11540	88.8	359.7	11277.2	467.5	-2.8	467.5	12.0	12.0
11550	90.0	359.7	11277.3	477.5	-2.9	477.5	12.0	12.0
11650	90.3	359.7	11277.1	577.5	-3.5	577.5	0.3	0.3
11750	90.3	359.7	11276.6	677.5	-4.1	677.5	0.0	0.0
11850	90.3	359.7	11276.1	777.5	-4.7	777.5	0.0	0.0
11950	90.3	359.7	11275.6	877.5	-5.3	877.5	0.0	0.0
12050	90.3	359.7	11275.1	977.5	-5.9	977.5	0.0	0.0
12150	90.3	359.7	11274.6	1077.5	-6.5	1077.5	0.0	0.0
12250	90.3	359.7	11274.1	1177.4	-7.1	1177.5	0.0	0.0
12350	90.3	359.7	11273.6	1277.4	-7.8	1277.5	0.0	0.0
12450	90.3	359.7	11273.1	1377.4	-8.4	1377.5	0.0	0.0
12550	90.3	359.7	11272.6	1477.4	-9.0	1477.5	0.0	0.0
12650	90.3	359.7	11272.1	1577.4	-9.6	1577.5	0.0	0.0
12750	90.3	359.7	11271.6	1677.4	-10.2	1677.5	0.0	0.0
12850	90.3	359.7	11271.1	1777.4	-10.8	1777.5	0.0	0.0
12950	90.3	359.7	11270.6	1877.4	-11.4	1877.5	0.0	0.0
13050	90.3	359.7	11270.1	1977.4	-12.0	1977.5	0.0	0.0
13150	90.3	359.7	11269.6	2077.4	-12.6	2077.5	0.0	0.0
13250	90.3	359.7	11269.1	2177.4	-13.2	2177.5	0.0	0.0
13350	90.3	359.7	11268.6	2277.4	-13.8	2277.5	0.0	0.0
13450	90.3	359.7	11268.1	2377.4	-14.4	2377.5	0.0	0.0
13550	90.3	359.7	11267.6	2477.4	-15.0	2477.5	0.0	0.0
13650	90.3	359.7	11267.1	2577.4	-15.6	2577.5	0.0	0.0

V-F Petroleum Inc.
Standard Planning Report
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Location:	1-22S-34E	30-025-		Surface Latitude:	32.414387
Pool:	Grama Ridge; Wolfcamp, West [97393]			Surface Longitude:	-103.41608
GL Elev:	3598			Bottom Hole Latitude:	32.427318
Method:	Minimum Curvature			Bottom Hole Longitude:	-103.41604

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Measured			Vertical			Vertical	Dogleg	Build
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
13750	90.3	359.7	11266.6	2677.4	-16.3	2677.5	0.0	0.0
13850	90.3	359.7	11266.1	2777.4	-16.9	2777.5	0.0	0.0
13950	90.3	359.7	11265.6	2877.4	-17.5	2877.5	0.0	0.0
14050	90.3	359.7	11265.1	2977.4	-18.1	2977.5	0.0	0.0
14150	90.3	359.7	11264.6	3077.4	-18.7	3077.4	0.0	0.0
14250	90.3	359.7	11264.1	3177.4	-19.3	3177.4	0.0	0.0
14350	90.3	359.7	11263.6	3277.4	-19.9	3277.4	0.0	0.0
14450	90.3	359.7	11263.1	3377.4	-20.5	3377.4	0.0	0.0
14550	90.3	359.7	11262.6	3477.4	-21.1	3477.4	0.0	0.0
14650	90.3	359.7	11262.1	3577.4	-21.7	3577.4	0.0	0.0
14750	90.3	359.7	11261.6	3677.4	-22.3	3677.4	0.0	0.0
14850	90.3	359.7	11261.1	3777.4	-22.9	3777.4	0.0	0.0
14950	90.3	359.7	11260.6	3877.4	-23.5	3877.4	0.0	0.0
15050	90.3	359.7	11260.1	3977.4	-24.1	3977.4	0.0	0.0
15150	90.3	359.7	11259.6	4077.4	-24.7	4077.4	0.0	0.0
15250	90.3	359.7	11259.1	4177.4	-25.4	4177.4	0.0	0.0
15350	90.3	359.7	11258.6	4277.4	-26.0	4277.4	0.0	0.0
15450	90.3	359.7	11258.1	4377.4	-26.6	4377.4	0.0	0.0
15550	90.3	359.7	11257.6	4477.4	-27.2	4477.4	0.0	0.0
15650	90.3	359.7	11257.1	4577.4	-27.8	4577.4	0.0	0.0
15750	90.3	359.7	11256.6	4677.3	-28.4	4677.4	0.0	0.0
15778	90.3	359.7	11256.5	4705.6	-28.6	4705.7	0.0	0.0