

V-F Petroleum Inc.
Standard Planning Report
Getty 1 State Com #334H

Location: 1-22S-34E

Pool: Grama Ridge; Wolfcamp, West [97393]

GL Elev: 3585

Method: Minimum Curvature

30-025-

-4480

Surface Latitude: 32.414386

Surface Longitude: -103.41802

Bottom Hole Latitude: 32.427316

Bottom Hole Longitude: -103.41798

md\regulatory\ nm ocd blm\Getty 1 State Horiz\Getty 1 State Com #334H\#334H Planned Survey 180501

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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 Method: Minimum Curvature

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Surface Latitude: 32.414386
 Surface Longitude: -103.41802
 Bottom Hole Latitude: 32.427316
 Bottom Hole Longitude: -103.41798

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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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Location:	1-22S-34E	30-025- _____	Surface Latitude:	32.414386
Pool:	Grama Ridge; Wolfcamp, West [97393]		Surface Longitude:	-103.41802
GL Elev:	3585		Bottom Hole Latitude:	32.427316
Method:	Minimum Curvature		Bottom Hole Longitude:	-103.41798

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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	10800.0	0.0	0.0	0.0	0.0	0.0
10900	0.0	359.7	10900.0	0.0	0.0	0.0	0.0	0.0
11000	0.0	359.7	11000.0	0.0	0.0	0.0	0.0	0.0
11053	0.0	359.7	11052.5	0.0	0.0	0.0	0.0	0.0
11063	1.2	359.7	11062.5	0.1	0.0	0.1	12.0	12.0
11073	2.4	359.7	11072.5	0.4	0.0	0.4	12.0	12.0
11083	3.6	359.7	11082.5	1.0	0.0	1.0	12.0	12.0
11093	4.8	359.7	11092.5	1.7	0.0	1.7	12.0	12.0
11103	6.0	359.7	11102.5	2.6	0.0	2.6	12.0	12.0
11113	7.2	359.7	11112.4	3.8	0.0	3.8	12.0	12.0
11123	8.4	359.7	11122.3	5.1	0.0	5.1	12.0	12.0
11133	9.6	359.7	11132.2	6.7	0.0	6.7	12.0	12.0
11143	10.8	359.7	11142.0	8.5	-0.1	8.5	12.0	12.0
11153	12.0	359.7	11151.8	10.4	-0.1	10.4	12.0	12.0
11163	13.2	359.7	11161.6	12.6	-0.1	12.6	12.0	12.0

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Surface Latitude: 32.414386
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 Bottom Hole Latitude: 32.427316
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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)
11173	14.4	359.7	11171.3	15.0	-0.1	15.0	12.0	12.0
11183	15.6	359.7	11181.0	17.6	-0.1	17.6	12.0	12.0
11193	16.8	359.7	11190.6	20.4	-0.1	20.4	12.0	12.0
11203	18.0	359.7	11200.1	23.4	-0.1	23.4	12.0	12.0
11213	19.2	359.7	11209.6	26.6	-0.2	26.6	12.0	12.0
11223	20.4	359.7	11219.0	30.0	-0.2	30.0	12.0	12.0
11233	21.6	359.7	11228.3	33.5	-0.2	33.5	12.0	12.0
11243	22.8	359.7	11237.6	37.3	-0.2	37.3	12.0	12.0
11253	24.0	359.7	11246.8	41.3	-0.3	41.3	12.0	12.0
11263	25.2	359.7	11255.9	45.5	-0.3	45.5	12.0	12.0
11273	26.4	359.7	11264.9	49.8	-0.3	49.8	12.0	12.0
11283	27.6	359.7	11273.8	54.3	-0.3	54.3	12.0	12.0
11293	28.8	359.7	11282.6	59.1	-0.4	59.1	12.0	12.0
11303	30.0	359.7	11291.3	64.0	-0.4	64.0	12.0	12.0
11313	31.2	359.7	11299.9	69.1	-0.4	69.1	12.0	12.0
11323	32.4	359.7	11308.4	74.3	-0.5	74.3	12.0	12.0
11333	33.6	359.7	11316.8	79.8	-0.5	79.8	12.0	12.0
11343	34.8	359.7	11325.1	85.4	-0.5	85.4	12.0	12.0
11353	36.0	359.7	11333.3	91.2	-0.6	91.2	12.0	12.0
11363	37.2	359.7	11341.3	97.2	-0.6	97.2	12.0	12.0
11373	38.4	359.7	11349.2	103.3	-0.6	103.3	12.0	12.0
11383	39.6	359.7	11357.0	109.6	-0.7	109.6	12.0	12.0
11393	40.8	359.7	11364.6	116.0	-0.7	116.0	12.0	12.0
11403	42.0	359.7	11372.1	122.6	-0.7	122.7	12.0	12.0
11413	43.2	359.7	11379.5	129.4	-0.8	129.4	12.0	12.0
11423	44.4	359.7	11386.7	136.3	-0.8	136.3	12.0	12.0
11433	45.6	359.7	11393.8	143.4	-0.9	143.4	12.0	12.0
11443	46.8	359.7	11400.7	150.6	-0.9	150.6	12.0	12.0
11453	48.0	359.7	11407.5	158.0	-1.0	158.0	12.0	12.0
11463	49.2	359.7	11414.1	165.5	-1.0	165.5	12.0	12.0
11473	50.4	359.7	11420.6	173.1	-1.1	173.1	12.0	12.0
11483	51.6	359.7	11426.9	180.9	-1.1	180.9	12.0	12.0
11493	52.8	359.7	11433.0	188.8	-1.1	188.8	12.0	12.0
11503	54.0	359.7	11439.0	196.8	-1.2	196.8	12.0	12.0
11513	55.2	359.7	11444.8	205.0	-1.2	205.0	12.0	12.0
11523	56.4	359.7	11450.4	213.2	-1.3	213.3	12.0	12.0
11533	57.6	359.7	11455.8	221.6	-1.3	221.6	12.0	12.0
11543	58.8	359.7	11461.1	230.1	-1.4	230.1	12.0	12.0
11553	60.0	359.7	11466.2	238.7	-1.4	238.7	12.0	12.0
11563	61.2	359.7	11471.1	247.5	-1.5	247.5	12.0	12.0
11573	62.4	359.7	11475.8	256.3	-1.6	256.3	12.0	12.0

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(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
11583	63.6	359.7	11480.3	265.2	-1.6	265.2	12.0	12.0
11593	64.8	359.7	11484.7	274.2	-1.7	274.2	12.0	12.0
11603	66.0	359.7	11488.9	283.3	-1.7	283.3	12.0	12.0
11613	67.2	359.7	11492.9	292.4	-1.8	292.5	12.0	12.0
11623	68.4	359.7	11496.7	301.7	-1.8	301.7	12.0	12.0
11633	69.6	359.7	11500.3	311.0	-1.9	311.0	12.0	12.0
11643	70.8	359.7	11503.7	320.4	-1.9	320.5	12.0	12.0
11653	72.0	359.7	11506.9	329.9	-2.0	329.9	12.0	12.0
11663	73.2	359.7	11509.9	339.5	-2.1	339.5	12.0	12.0
11673	74.4	359.7	11512.7	349.1	-2.1	349.1	12.0	12.0
11683	75.6	359.7	11515.3	358.7	-2.2	358.7	12.0	12.0
11693	76.8	359.7	11517.7	368.4	-2.2	368.4	12.0	12.0
11703	78.0	359.7	11519.9	378.2	-2.3	378.2	12.0	12.0
11713	79.2	359.7	11521.9	388.0	-2.4	388.0	12.0	12.0
11723	80.4	359.7	11523.7	397.8	-2.4	397.9	12.0	12.0
11733	81.6	359.7	11525.3	407.7	-2.5	407.7	12.0	12.0
11743	82.8	359.7	11526.7	417.6	-2.5	417.6	12.0	12.0
11753	84.0	359.7	11527.8	427.6	-2.6	427.6	12.0	12.0
11763	85.2	359.7	11528.7	437.5	-2.7	437.5	12.0	12.0
11773	86.4	359.7	11529.4	447.5	-2.7	447.5	12.0	12.0
11783	87.6	359.7	11529.9	457.5	-2.8	457.5	12.0	12.0
11793	88.8	359.7	11530.2	467.5	-2.8	467.5	12.0	12.0
11803	90.0	359.7	11530.3	477.5	-2.9	477.5	12.0	12.0
11903	91.0	359.7	11529.4	577.5	-3.5	577.5	1.0	1.0
12003	91.0	359.7	11527.6	677.4	-4.1	677.5	0.0	0.0
12103	91.0	359.7	11525.8	777.4	-4.7	777.4	0.0	0.0
12203	91.0	359.7	11524.0	877.4	-5.3	877.4	0.0	0.0
12303	91.0	359.7	11522.2	977.4	-5.9	977.4	0.0	0.0
12403	91.0	359.7	11520.4	1077.4	-6.5	1077.4	0.0	0.0
12503	91.0	359.7	11518.6	1177.3	-7.1	1177.4	0.0	0.0
12603	91.0	359.7	11516.8	1277.3	-7.8	1277.4	0.0	0.0
12703	91.0	359.7	11515.0	1377.3	-8.4	1377.3	0.0	0.0
12803	91.0	359.7	11513.2	1477.3	-9.0	1477.3	0.0	0.0
12903	91.0	359.7	11511.4	1577.3	-9.6	1577.3	0.0	0.0
13003	91.0	359.7	11509.6	1677.3	-10.2	1677.3	0.0	0.0
13103	91.0	359.7	11507.8	1777.2	-10.8	1777.3	0.0	0.0
13203	91.0	359.7	11506.0	1877.2	-11.4	1877.3	0.0	0.0
13303	91.0	359.7	11504.2	1977.2	-12.0	1977.2	0.0	0.0
13403	91.0	359.7	11502.4	2077.2	-12.6	2077.2	0.0	0.0
13503	91.0	359.7	11500.6	2177.2	-13.2	2177.2	0.0	0.0
13603	91.0	359.7	11498.8	2277.1	-13.8	2277.2	0.0	0.0

V-F Petroleum Inc.
Standard Planning Report
Getty 1 State Com #334H

Location: 1-22S-34E	30-025-_____	Surface Latitude: 32.414386
Pool: Grama Ridge; Wolfcamp, West [97393]		Surface Longitude: -103.41802
GL Elev: 3585		Bottom Hole Latitude: 32.427316
Method: Minimum Curvature		Bottom Hole Longitude: -103.41798

md\regulatory\ nm ocd blm\Getty 1 State Horiz\Getty 1 State Com #334H\#334H Planned Survey 180501

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)
13703	91.0	359.7	11497.0	2377.1	-14.4	2377.2	0.0	0.0
13803	91.0	359.7	11495.2	2477.1	-15.0	2477.2	0.0	0.0
13903	91.0	359.7	11493.4	2577.1	-15.6	2577.1	0.0	0.0
14003	91.0	359.7	11491.6	2677.1	-16.2	2677.1	0.0	0.0
14103	91.0	359.7	11489.8	2777.1	-16.9	2777.1	0.0	0.0
14203	91.0	359.7	11488.0	2877.0	-17.5	2877.1	0.0	0.0
14303	91.0	359.7	11486.2	2977.0	-18.1	2977.1	0.0	0.0
14403	91.0	359.7	11484.4	3077.0	-18.7	3077.1	0.0	0.0
14503	91.0	359.7	11482.6	3177.0	-19.3	3177.0	0.0	0.0
14603	91.0	359.7	11480.8	3277.0	-19.9	3277.0	0.0	0.0
14703	91.0	359.7	11479.0	3376.9	-20.5	3377.0	0.0	0.0
14803	91.0	359.7	11477.2	3476.9	-21.1	3477.0	0.0	0.0
14903	91.0	359.7	11475.4	3576.9	-21.7	3577.0	0.0	0.0
15003	91.0	359.7	11473.6	3676.9	-22.3	3677.0	0.0	0.0
15103	91.0	359.7	11471.8	3776.9	-22.9	3776.9	0.0	0.0
15203	91.0	359.7	11470.0	3876.9	-23.5	3876.9	0.0	0.0
15303	91.0	359.7	11468.2	3976.8	-24.1	3976.9	0.0	0.0
15403	91.0	359.7	11466.4	4076.8	-24.7	4076.9	0.0	0.0
15503	91.0	359.7	11464.6	4176.8	-25.4	4176.9	0.0	0.0
15603	91.0	359.7	11462.8	4276.8	-26.0	4276.9	0.0	0.0
15703	91.0	359.7	11461.0	4376.8	-26.6	4376.8	0.0	0.0
15803	91.0	359.7	11459.2	4476.7	-27.2	4476.8	0.0	0.0
15903	91.0	359.7	11457.4	4576.7	-27.8	4576.8	0.0	0.0
16003	91.0	359.7	11455.6	4676.7	-28.4	4676.8	0.0	0.0
16031	91.0	359.7	11455.1	4705.0	-28.6	4705.1	0.0	0.0