

V-F Petroleum Inc.
Standard Planning Report
Getty 1 State Com #233H

30-025-4787

Location: 1-22S-34E
 Pool: Grama Ridge; Bone Spring, NE [28435]
 GL Elev: 3560
 Method: Minimum Curvature

Surface Latitude: 32.414384
 Surface Longitude: -103.42249
 Bottom Hole Latitude: 32.427310
 Bottom Hole Longitude: -103.42245

md\regulatory\ nm ocd blm\Getty 1 State Horiz\Getty 1 State Com #233H\#233H 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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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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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
10683	0.0	359.7	10682.5	0.0	0.0	0.0	0.0	0.0
10693	1.2	359.7	10692.5	0.1	0.0	0.1	12.0	12.0
10703	2.4	359.7	10702.5	0.4	0.0	0.4	12.0	12.0
10713	3.6	359.7	10712.5	1.0	0.0	1.0	12.0	12.0
10723	4.8	359.7	10722.5	1.7	0.0	1.7	12.0	12.0
10733	6.0	359.7	10732.5	2.6	0.0	2.6	12.0	12.0
10743	7.2	359.7	10742.4	3.8	0.0	3.8	12.0	12.0
10753	8.4	359.7	10752.3	5.1	0.0	5.1	12.0	12.0
10763	9.6	359.7	10762.2	6.7	0.0	6.7	12.0	12.0
10773	10.8	359.7	10772.0	8.5	-0.1	8.5	12.0	12.0
10783	12.0	359.7	10781.8	10.4	-0.1	10.4	12.0	12.0
10793	13.2	359.7	10791.6	12.6	-0.1	12.6	12.0	12.0
10803	14.4	359.7	10801.3	15.0	-0.1	15.0	12.0	12.0
10813	15.6	359.7	10811.0	17.6	-0.1	17.6	12.0	12.0
10823	16.8	359.7	10820.6	20.4	-0.1	20.4	12.0	12.0
10833	18.0	359.7	10830.1	23.4	-0.1	23.4	12.0	12.0

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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)
10843	19.2	359.7	10839.6	26.6	-0.2	26.6	12.0	12.0
10853	20.4	359.7	10849.0	30.0	-0.2	30.0	12.0	12.0
10863	21.6	359.7	10858.3	33.5	-0.2	33.5	12.0	12.0
10873	22.8	359.7	10867.6	37.3	-0.2	37.3	12.0	12.0
10883	24.0	359.7	10876.8	41.3	-0.3	41.3	12.0	12.0
10893	25.2	359.7	10885.9	45.5	-0.3	45.5	12.0	12.0
10903	26.4	359.7	10894.9	49.8	-0.3	49.8	12.0	12.0
10913	27.6	359.7	10903.8	54.3	-0.3	54.3	12.0	12.0
10923	28.8	359.7	10912.6	59.1	-0.4	59.1	12.0	12.0
10933	30.0	359.7	10921.3	64.0	-0.4	64.0	12.0	12.0
10943	31.2	359.7	10929.9	69.1	-0.4	69.1	12.0	12.0
10953	32.4	359.7	10938.4	74.3	-0.5	74.3	12.0	12.0
10963	33.6	359.7	10946.8	79.8	-0.5	79.8	12.0	12.0
10973	34.8	359.7	10955.1	85.4	-0.5	85.4	12.0	12.0
10983	36.0	359.7	10963.3	91.2	-0.6	91.2	12.0	12.0
10993	37.2	359.7	10971.3	97.2	-0.6	97.2	12.0	12.0
11003	38.4	359.7	10979.2	103.3	-0.6	103.3	12.0	12.0
11013	39.6	359.7	10987.0	109.6	-0.7	109.6	12.0	12.0
11023	40.8	359.7	10994.6	116.0	-0.7	116.0	12.0	12.0
11033	42.0	359.7	11002.1	122.6	-0.7	122.6	12.0	12.0
11043	43.2	359.7	11009.5	129.4	-0.8	129.4	12.0	12.0
11053	44.4	359.7	11016.7	136.3	-0.8	136.3	12.0	12.0
11063	45.6	359.7	11023.8	143.4	-0.9	143.4	12.0	12.0
11073	46.8	359.7	11030.7	150.6	-0.9	150.6	12.0	12.0
11083	48.0	359.7	11037.5	158.0	-1.0	158.0	12.0	12.0
11093	49.2	359.7	11044.1	165.5	-1.0	165.5	12.0	12.0
11103	50.4	359.7	11050.6	173.1	-1.1	173.1	12.0	12.0
11113	51.6	359.7	11056.9	180.9	-1.1	180.9	12.0	12.0
11123	52.8	359.7	11063.0	188.8	-1.1	188.8	12.0	12.0
11133	54.0	359.7	11069.0	196.8	-1.2	196.8	12.0	12.0
11143	55.2	359.7	11074.8	205.0	-1.2	205.0	12.0	12.0
11153	56.4	359.7	11080.4	213.2	-1.3	213.3	12.0	12.0
11163	57.6	359.7	11085.8	221.6	-1.3	221.6	12.0	12.0
11173	58.8	359.7	11091.1	230.1	-1.4	230.1	12.0	12.0
11183	60.0	359.7	11096.2	238.7	-1.4	238.7	12.0	12.0
11193	61.2	359.7	11101.1	247.5	-1.5	247.5	12.0	12.0
11203	62.4	359.7	11105.8	256.3	-1.6	256.3	12.0	12.0
11213	63.6	359.7	11110.3	265.2	-1.6	265.2	12.0	12.0
11223	64.8	359.7	11114.7	274.2	-1.7	274.2	12.0	12.0
11233	66.0	359.7	11118.9	283.3	-1.7	283.3	12.0	12.0
11243	67.2	359.7	11122.9	292.4	-1.8	292.5	12.0	12.0

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(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
11253	68.4	359.7	11126.7	301.7	-1.8	301.7	12.0	12.0
11263	69.6	359.7	11130.3	311.0	-1.9	311.0	12.0	12.0
11273	70.8	359.7	11133.7	320.4	-1.9	320.5	12.0	12.0
11283	72.0	359.7	11136.9	329.9	-2.0	329.9	12.0	12.0
11293	73.2	359.7	11139.9	339.5	-2.1	339.5	12.0	12.0
11303	74.4	359.7	11142.7	349.1	-2.1	349.1	12.0	12.0
11313	75.6	359.7	11145.3	358.7	-2.2	358.7	12.0	12.0
11323	76.8	359.7	11147.7	368.4	-2.2	368.4	12.0	12.0
11333	78.0	359.7	11149.9	378.2	-2.3	378.2	12.0	12.0
11343	79.2	359.7	11151.9	388.0	-2.4	388.0	12.0	12.0
11353	80.4	359.7	11153.7	397.8	-2.4	397.8	12.0	12.0
11363	81.6	359.7	11155.3	407.7	-2.5	407.7	12.0	12.0
11373	82.8	359.7	11156.7	417.6	-2.5	417.6	12.0	12.0
11383	84.0	359.7	11157.8	427.6	-2.6	427.6	12.0	12.0
11393	85.2	359.7	11158.7	437.5	-2.7	437.5	12.0	12.0
11403	86.4	359.7	11159.4	447.5	-2.7	447.5	12.0	12.0
11413	87.6	359.7	11159.9	457.5	-2.8	457.5	12.0	12.0
11423	88.8	359.7	11160.2	467.5	-2.8	467.5	12.0	12.0
11433	90.0	359.7	11160.3	477.5	-2.9	477.5	12.0	12.0
11533	90.5	359.7	11159.8	577.5	-3.5	577.5	0.5	0.5
11633	90.5	359.7	11158.9	677.5	-4.1	677.5	0.0	0.0
11733	90.5	359.7	11158.0	777.5	-4.7	777.5	0.0	0.0
11833	90.5	359.7	11157.1	877.4	-5.3	877.5	0.0	0.0
11933	90.5	359.7	11156.2	977.4	-5.9	977.5	0.0	0.0
12033	90.5	359.7	11155.3	1077.4	-6.5	1077.5	0.0	0.0
12133	90.5	359.7	11154.4	1177.4	-7.1	1177.4	0.0	0.0
12233	90.5	359.7	11153.5	1277.4	-7.8	1277.4	0.0	0.0
12333	90.5	359.7	11152.6	1377.4	-8.4	1377.4	0.0	0.0
12433	90.5	359.7	11151.7	1477.4	-9.0	1477.4	0.0	0.0
12533	90.5	359.7	11150.8	1577.4	-9.6	1577.4	0.0	0.0
12633	90.5	359.7	11149.9	1677.4	-10.2	1677.4	0.0	0.0
12733	90.5	359.7	11149.0	1777.4	-10.8	1777.4	0.0	0.0
12833	90.5	359.7	11148.1	1877.4	-11.4	1877.4	0.0	0.0
12933	90.5	359.7	11147.2	1977.4	-12.0	1977.4	0.0	0.0
13033	90.5	359.7	11146.3	2077.4	-12.6	2077.4	0.0	0.0
13133	90.5	359.7	11145.4	2177.4	-13.2	2177.4	0.0	0.0
13233	90.5	359.7	11144.5	2277.4	-13.8	2277.4	0.0	0.0
13333	90.5	359.7	11143.6	2377.3	-14.4	2377.4	0.0	0.0
13433	90.5	359.7	11142.7	2477.3	-15.0	2477.4	0.0	0.0
13533	90.5	359.7	11141.7	2577.3	-15.6	2577.4	0.0	0.0
13633	90.5	359.7	11140.7	2677.3	-16.3	2677.4	0.0	0.0

V-F Petroleum Inc.
Standard Planning Report
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Location: 1-22S-34E
Pool: Grama Ridge; Bone Spring, NE [28435]
GL Elev: 3560
Method: Minimum Curvature

30-025-_____

Surface Latitude: 32.414384
Surface Longitude: -103.42249
Bottom Hole Latitude: 32.427310
Bottom Hole Longitude: -103.42245

md\regulatory\ nm ocd blm\Getty 1 State Horiz\Getty 1 State Com #233H\#233H 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)
13733	90.5	359.7	11139.7	2777.3	-16.9	2777.4	0.0	0.0
13833	90.5	359.7	11138.7	2877.3	-17.5	2877.4	0.0	0.0
13933	90.5	359.7	11137.7	2977.3	-18.1	2977.4	0.0	0.0
14033	90.5	359.7	11136.7	3077.3	-18.7	3077.4	0.0	0.0
14133	90.5	359.7	11135.7	3177.3	-19.3	3177.4	0.0	0.0
14233	90.5	359.7	11134.7	3277.3	-19.9	3277.4	0.0	0.0
14333	90.5	359.7	11133.7	3377.3	-20.5	3377.3	0.0	0.0
14433	90.5	359.7	11132.7	3477.3	-21.1	3477.3	0.0	0.0
14533	90.5	359.7	11131.7	3577.3	-21.7	3577.3	0.0	0.0
14633	90.5	359.7	11130.7	3677.3	-22.3	3677.3	0.0	0.0
14733	90.5	359.7	11129.7	3777.3	-22.9	3777.3	0.0	0.0
14833	90.5	359.7	11128.7	3877.3	-23.5	3877.3	0.0	0.0
14933	90.5	359.7	11127.7	3977.2	-24.1	3977.3	0.0	0.0
15033	90.5	359.7	11126.7	4077.2	-24.7	4077.3	0.0	0.0
15133	90.5	359.7	11125.7	4177.2	-25.4	4177.3	0.0	0.0
15233	90.5	359.7	11124.7	4277.2	-26.0	4277.3	0.0	0.0
15333	90.5	359.7	11123.7	4377.2	-26.6	4377.3	0.0	0.0
15433	90.5	359.7	11122.7	4477.2	-27.2	4477.3	0.0	0.0
15533	90.5	359.7	11121.7	4577.2	-27.8	4577.3	0.0	0.0
15633	90.5	359.7	11120.7	4677.2	-28.4	4677.3	0.0	0.0
15659	90.5	359.7	11120.4	4703.5	-28.6	4703.6	0.0	0.0