

V-F Petroleum Inc.
Standard Planning Report
Getty 1 State #321H

Location: 1-22S-34E
 Pool: Grama Ridge; Wolfcamp, West [97393]
 GL Elev: 3563
 Method: Minimum Curvature

30-025-44801

Surface Latitude: 32.414382
 Surface Longitude: -103.42891
 Bottom Hole Latitude: 32.427301
 Bottom Hole Longitude: -103.42887

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HOBBS OCD
MAY 17 2018
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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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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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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
10842	0.0	359.7	10841.5	0.0	0.0	0.0	0.0	0.0
10852	1.2	359.7	10851.5	0.1	0.0	0.1	12.0	12.0
10862	2.4	359.7	10861.5	0.4	0.0	0.4	12.0	12.0
10872	3.6	359.7	10871.5	1.0	0.0	1.0	12.0	12.0
10882	4.8	359.7	10881.5	1.7	0.0	1.7	12.0	12.0
10892	6.0	359.7	10891.5	2.6	0.0	2.6	12.0	12.0
10902	7.2	359.7	10901.4	3.8	0.0	3.8	12.0	12.0
10912	8.4	359.7	10911.3	5.1	0.0	5.1	12.0	12.0
10922	9.6	359.7	10921.2	6.7	0.0	6.7	12.0	12.0
10932	10.8	359.7	10931.0	8.5	0.0	8.5	12.0	12.0
10942	12.0	359.7	10940.8	10.4	-0.1	10.4	12.0	12.0
10952	13.2	359.7	10950.6	12.6	-0.1	12.6	12.0	12.0
10962	14.4	359.7	10960.3	15.0	-0.1	15.0	12.0	12.0
10972	15.6	359.7	10970.0	17.6	-0.1	17.6	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)
10982	16.8	359.7	10979.6	20.4	-0.1	20.4	12.0	12.0
10992	18.0	359.7	10989.1	23.4	-0.1	23.4	12.0	12.0
11002	19.2	359.7	10998.6	26.6	-0.2	26.6	12.0	12.0
11012	20.4	359.7	11008.0	30.0	-0.2	30.0	12.0	12.0
11022	21.6	359.7	11017.3	33.5	-0.2	33.5	12.0	12.0
11032	22.8	359.7	11026.6	37.3	-0.2	37.3	12.0	12.0
11042	24.0	359.7	11035.8	41.3	-0.2	41.3	12.0	12.0
11052	25.2	359.7	11044.9	45.5	-0.3	45.5	12.0	12.0
11062	26.4	359.7	11053.9	49.8	-0.3	49.8	12.0	12.0
11072	27.6	359.7	11062.8	54.3	-0.3	54.3	12.0	12.0
11082	28.8	359.7	11071.6	59.1	-0.3	59.1	12.0	12.0
11092	30.0	359.7	11080.3	64.0	-0.4	64.0	12.0	12.0
11102	31.2	359.7	11088.9	69.1	-0.4	69.1	12.0	12.0
11112	32.4	359.7	11097.4	74.3	-0.4	74.3	12.0	12.0
11122	33.6	359.7	11105.8	79.8	-0.5	79.8	12.0	12.0
11132	34.8	359.7	11114.1	85.4	-0.5	85.4	12.0	12.0
11142	36.0	359.7	11122.3	91.2	-0.5	91.2	12.0	12.0
11152	37.2	359.7	11130.3	97.2	-0.6	97.2	12.0	12.0
11162	38.4	359.7	11138.2	103.3	-0.6	103.3	12.0	12.0
11172	39.6	359.7	11146.0	109.6	-0.6	109.6	12.0	12.0
11182	40.8	359.7	11153.6	116.0	-0.7	116.0	12.0	12.0
11192	42.0	359.7	11161.1	122.6	-0.7	122.7	12.0	12.0
11202	43.2	359.7	11168.5	129.4	-0.8	129.4	12.0	12.0
11212	44.4	359.7	11175.7	136.3	-0.8	136.3	12.0	12.0
11222	45.6	359.7	11182.8	143.4	-0.8	143.4	12.0	12.0
11232	46.8	359.7	11189.7	150.6	-0.9	150.6	12.0	12.0
11242	48.0	359.7	11196.5	158.0	-0.9	158.0	12.0	12.0
11252	49.2	359.7	11203.1	165.5	-1.0	165.5	12.0	12.0
11262	50.4	359.7	11209.6	173.1	-1.0	173.1	12.0	12.0
11272	51.6	359.7	11215.9	180.9	-1.1	180.9	12.0	12.0
11282	52.8	359.7	11222.0	188.8	-1.1	188.8	12.0	12.0
11292	54.0	359.7	11228.0	196.8	-1.1	196.8	12.0	12.0
11302	55.2	359.7	11233.8	205.0	-1.2	205.0	12.0	12.0
11312	56.4	359.7	11239.4	213.2	-1.2	213.3	12.0	12.0
11322	57.6	359.7	11244.8	221.6	-1.3	221.6	12.0	12.0
11332	58.8	359.7	11250.1	230.1	-1.3	230.1	12.0	12.0
11342	60.0	359.7	11255.2	238.7	-1.4	238.7	12.0	12.0
11352	61.2	359.7	11260.1	247.5	-1.4	247.5	12.0	12.0
11362	62.4	359.7	11264.8	256.3	-1.5	256.3	12.0	12.0
11372	63.6	359.7	11269.3	265.2	-1.5	265.2	12.0	12.0
11382	64.8	359.7	11273.7	274.2	-1.6	274.2	12.0	12.0

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(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(deg/100ft)	(deg/100ft)
11392	66.0	359.7	11277.9	283.3	-1.7	283.3	12.0	12.0
11402	67.2	359.7	11281.9	292.4	-1.7	292.5	12.0	12.0
11412	68.4	359.7	11285.7	301.7	-1.8	301.7	12.0	12.0
11422	69.6	359.7	11289.3	311.0	-1.8	311.0	12.0	12.0
11432	70.8	359.7	11292.7	320.4	-1.9	320.5	12.0	12.0
11442	72.0	359.7	11295.9	329.9	-1.9	329.9	12.0	12.0
11452	73.2	359.7	11298.9	339.5	-2.0	339.5	12.0	12.0
11462	74.4	359.7	11301.7	349.1	-2.0	349.1	12.0	12.0
11472	75.6	359.7	11304.3	358.7	-2.1	358.7	12.0	12.0
11482	76.8	359.7	11306.7	368.4	-2.2	368.4	12.0	12.0
11492	78.0	359.7	11308.9	378.2	-2.2	378.2	12.0	12.0
11502	79.2	359.7	11310.9	388.0	-2.3	388.0	12.0	12.0
11512	80.4	359.7	11312.7	397.8	-2.3	397.8	12.0	12.0
11522	81.6	359.7	11314.3	407.7	-2.4	407.7	12.0	12.0
11532	82.8	359.7	11315.7	417.6	-2.4	417.6	12.0	12.0
11542	84.0	359.7	11316.8	427.6	-2.5	427.6	12.0	12.0
11552	85.2	359.7	11317.7	437.5	-2.6	437.5	12.0	12.0
11562	86.4	359.7	11318.4	447.5	-2.6	447.5	12.0	12.0
11572	87.6	359.7	11318.9	457.5	-2.7	457.5	12.0	12.0
11582	88.8	359.7	11319.2	467.5	-2.7	467.5	12.0	12.0
11592	90.0	359.7	11319.3	477.5	-2.8	477.5	12.0	12.0
11692	90.6	359.7	11318.7	577.5	-3.4	577.5	0.6	0.6
11792	90.6	359.7	11317.6	677.5	-4.0	677.5	0.0	0.0
11892	90.6	359.7	11316.5	777.4	-4.5	777.5	0.0	0.0
11992	90.6	359.7	11315.4	877.4	-5.1	877.5	0.0	0.0
12092	90.6	359.7	11314.3	977.4	-5.7	977.4	0.0	0.0
12192	90.6	359.7	11313.2	1077.4	-6.3	1077.4	0.0	0.0
12292	90.6	359.7	11312.1	1177.4	-6.9	1177.4	0.0	0.0
12392	90.6	359.7	11311.0	1277.4	-7.5	1277.4	0.0	0.0
12492	90.6	359.7	11309.9	1377.4	-8.0	1377.4	0.0	0.0
12592	90.6	359.7	11308.8	1477.4	-8.6	1477.4	0.0	0.0
12692	90.6	359.7	11307.7	1577.4	-9.2	1577.4	0.0	0.0
12792	90.6	359.7	11306.6	1677.4	-9.8	1677.4	0.0	0.0
12892	90.6	359.7	11305.5	1777.4	-10.4	1777.4	0.0	0.0
12992	90.6	359.7	11304.4	1877.4	-11.0	1877.4	0.0	0.0
13092	90.6	359.7	11303.3	1977.4	-11.6	1977.4	0.0	0.0
13192	90.6	359.7	11302.2	2077.3	-12.1	2077.4	0.0	0.0
13292	90.6	359.7	11301.1	2177.3	-12.7	2177.4	0.0	0.0
13392	90.6	359.7	11300.0	2277.3	-13.3	2277.4	0.0	0.0
13492	90.6	359.7	11298.9	2377.3	-13.9	2377.4	0.0	0.0
13592	90.6	359.7	11297.8	2477.3	-14.5	2477.4	0.0	0.0

V-F Petroleum Inc.
Standard Planning Report
Getty 1 State #321H

Location: 1-22S-34E
 Pool: Grama Ridge; Wolfcamp, West [97393]
 GL Elev: 3563
 Method: Minimum Curvature

30-025-_____

Surface Latitude: 32.414382
 Surface Longitude: -103.42891
 Bottom Hole Latitude: 32.427301
 Bottom Hole Longitude: -103.42887

md\regulatory\ nm ocd blm\Getty 1 State Horiz\Getty 1 State #321H\#321H Planned Survey AA16180501

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)
13692	90.6	359.7	11296.7	2577.3	-15.1	2577.3	0.0	0.0
13792	90.6	359.7	11295.6	2677.3	-15.6	2677.3	0.0	0.0
13892	90.6	359.7	11294.5	2777.3	-16.2	2777.3	0.0	0.0
13992	90.6	359.7	11293.4	2877.3	-16.8	2877.3	0.0	0.0
14092	90.6	359.7	11292.3	2977.3	-17.4	2977.3	0.0	0.0
14192	90.6	359.7	11291.2	3077.3	-18.0	3077.3	0.0	0.0
14292	90.6	359.7	11290.1	3177.3	-18.6	3177.3	0.0	0.0
14392	90.6	359.7	11289.0	3277.2	-19.1	3277.3	0.0	0.0
14492	90.6	359.7	11287.9	3377.2	-19.7	3377.3	0.0	0.0
14592	90.6	359.7	11286.8	3477.2	-20.3	3477.3	0.0	0.0
14692	90.6	359.7	11285.7	3577.2	-20.9	3577.3	0.0	0.0
14792	90.6	359.7	11284.6	3677.2	-21.5	3677.3	0.0	0.0
14892	90.6	359.7	11283.5	3777.2	-22.1	3777.3	0.0	0.0
14992	90.6	359.7	11282.4	3877.2	-22.7	3877.3	0.0	0.0
15092	90.6	359.7	11281.3	3977.2	-23.2	3977.3	0.0	0.0
15192	90.6	359.7	11280.2	4077.2	-23.8	4077.3	0.0	0.0
15292	90.6	359.7	11279.1	4177.2	-24.4	4177.2	0.0	0.0
15392	90.6	359.7	11278.0	4277.2	-25.0	4277.2	0.0	0.0
15492	90.6	359.7	11276.9	4377.2	-25.6	4377.2	0.0	0.0
15592	90.6	359.7	11275.8	4477.2	-26.2	4477.2	0.0	0.0
15692	90.6	359.7	11274.7	4577.1	-26.7	4577.2	0.0	0.0
15792	90.6	359.7	11273.6	4677.1	-27.3	4677.2	0.0	0.0
15816	90.6	359.7	11273.3	4701.3	-27.5	4701.4	0.0	0.0