



V-F Petroleum Inc.

Structure : Elwyn C. Hale #3

Slot : slot #1

Field : West Shugart 31 Federal Location : Eddy County New Mexico

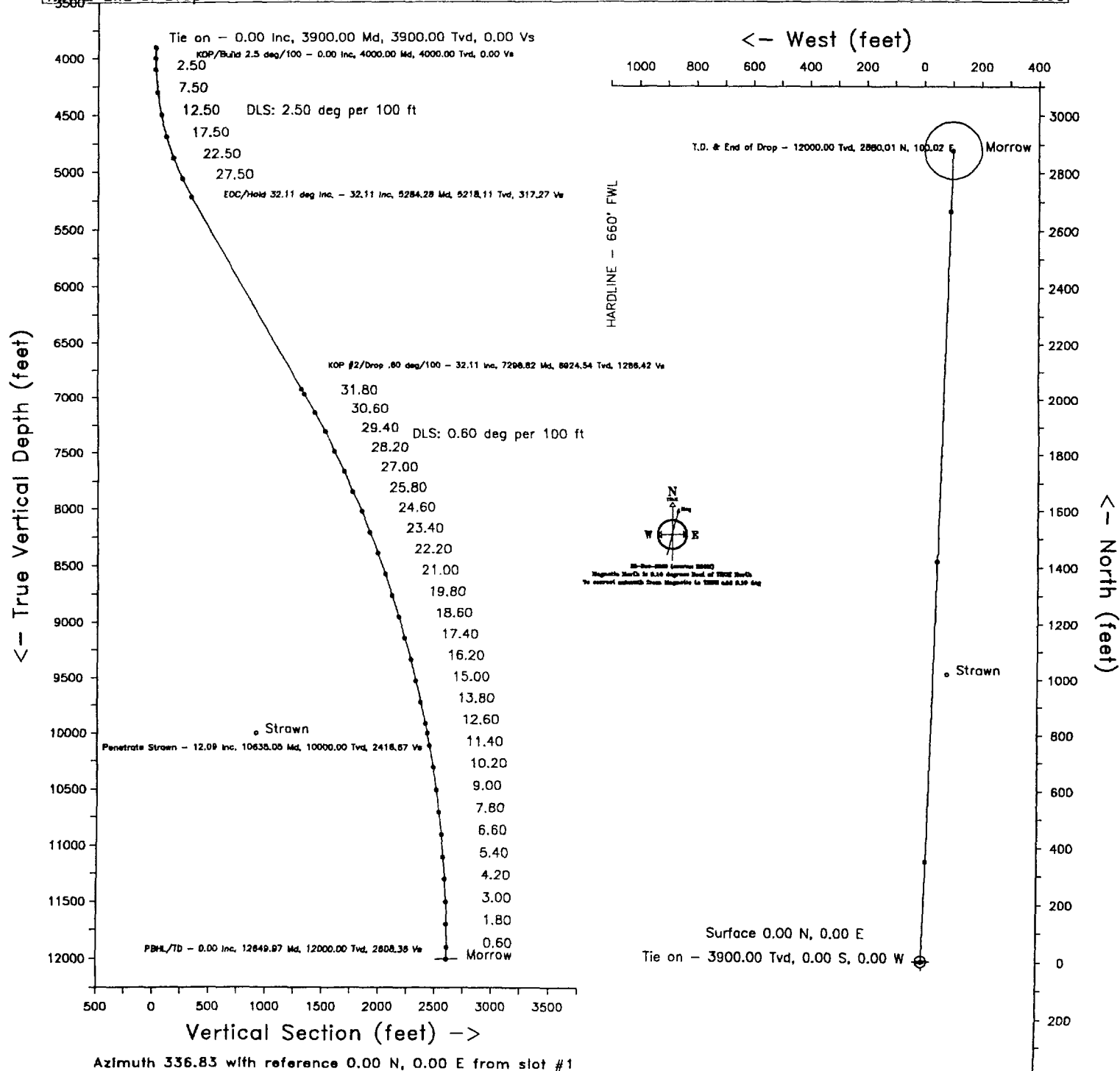
Created by land
Date plotted : 4-Oct-2001
Plot Reference is Rev 2.
Coordinates are in feet reference slot #1.
True Vertical Depths are reference rotary table.

--- Baker Hughes INTEQ ---

INTEQ

WELL PROFILE DATA

Point	MD	Inc	Dir	TVD	North	East	V. Sect	Deg/100
Tie on	3900.00	0.00	1.99	3900.00	0.00	0.00	0.00	0.00
End of Hold	4000.00	0.00	1.99	4000.00	0.00	0.00	0.00	0.00
End of Build	5284.28	32.11	1.99	5218.11	350.31	12.17	350.52	2.50
End of Hold	7298.82	32.11	1.99	6924.54	1420.40	49.33	1421.25	0.00
T.D. & End of Drop	12649.97	0.00	1.99	12000.00	2880.01	100.02	2881.75	0.60



V-F Petroleum Inc.
Elwyn C. Hale #3

slot #1
West Shugart 31 Federal
Eddy County New Mexico

P R O P O S A L L I S T I N G

by
Baker Hughes INTEQ

Your ref : Rev 2
Our ref : prop2655
License :

Date printed : 4-Oct-2001
Date created : 28-Dec-2000
Last revised : 22-Jun-2001

Field is centred on n32 10 0.000,w104 5 0
Structure is centred on n32 30 0.000,w104 15 0.000,0

Slot location is n32 30 0.000,w104 15 0.000
Slot Grid coordinates are N 545622.802, E 525691.731
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is True North

V-F Petroleum Inc.
Elwyn C. Hale #3, slot #1
West Shugart 31 Federal, Eddy County New Mexico

PROPOSAL LISTING Page 1
Your ref : Rev 2
Last revised : 22-Jun-2001

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
3900.00	0.00	1.99	3900.00	0.00 N	0.00 E	0.00
±000.00	0.00	1.99	4000.00	0.00 N	0.00 E	0.00 KOP/Build 2.5 deg/100
±100.00	2.50	1.99	4099.97	2.18 N	0.08 E	2.18
±200.00	5.00	1.99	4199.74	8.72 N	0.30 E	8.72
±300.00	7.50	1.99	4299.14	19.60 N	0.68 E	19.61
±400.00	10.00	1.99	4397.97	34.80 N	1.21 E	34.82
±500.00	12.50	1.99	4496.04	54.29 N	1.89 E	54.33
±600.00	15.00	1.99	4593.17	78.05 N	2.71 E	78.09
±700.00	17.50	1.99	4689.16	106.01 N	3.68 E	106.07
±800.00	20.00	1.99	4783.85	138.13 N	4.80 E	138.21
±900.00	22.50	1.99	4877.04	174.35 N	6.05 E	174.46
±000.00	25.00	1.99	4968.57	214.60 N	7.45 E	214.73
±100.00	27.50	1.99	5058.25	258.80 N	8.99 E	258.95
±200.00	30.00	1.99	5145.91	306.86 N	10.66 E	307.05
±284.28	32.11	1.99	5218.11	350.31 N	12.17 E	350.52 EOC/Hold 32.11 deg Inc.
±500.00	32.11	1.99	5400.84	464.90 N	16.15 E	465.18
±000.00	32.11	1.99	5824.37	730.49 N	25.37 E	730.93
±500.00	32.11	1.99	6247.90	996.08 N	34.59 E	996.68
7000.00	32.11	1.99	6671.43	1261.67 N	43.82 E	1262.43
7298.82	32.11	1.99	6924.54	1420.40 N	49.33 E	1421.25 KOP #2/Drop .60 deg/100
7349.99	31.80	1.99	6967.96	1447.46 N	50.27 E	1448.33
7449.99	31.20	1.99	7053.22	1499.68 N	52.08 E	1500.58
7549.99	30.60	1.99	7139.03	1551.00 N	53.86 E	1551.94
7649.99	30.00	1.99	7225.37	1601.42 N	55.62 E	1602.39
7749.99	29.40	1.99	7312.23	1650.94 N	57.33 E	1651.93

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2881.75 on azimuth 1.99 degrees from wellhead.
Vertical section is from wellhead on azimuth 1.99 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

V-F Petroleum Inc.
Elwyn C. Hale #3, slot #1
West Shugart 31 Federal, Eddy County New Mexico

PROPOSAL LISTING Page 2
Your ref : Rev 2
Last revised : 22-Jun-2001

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
7849.99	28.80	1.99	7399.61	1699.54 N	0.60	1700.57
7949.99	28.20	1.99	7487.49	1747.23 N	0.60	1748.28
8049.99	27.60	1.99	7575.86	1793.99 N	0.60	1795.08
8149.99	27.00	1.99	7664.72	1839.83 N	0.60	1840.94
8249.99	26.40	1.99	7754.06	1884.74 N	0.60	1885.87
8349.99	25.80	1.99	7843.86	1928.70 N	0.60	1929.87
8449.99	25.20	1.99	7934.12	1971.73 N	0.60	1972.92
8549.99	24.60	1.99	8024.83	2013.81 N	0.60	2015.02
8649.99	24.00	1.99	8115.96	2054.93 N	0.60	2056.17
8749.99	23.40	1.99	8207.53	2095.10 N	0.60	2096.37
8849.99	22.80	1.99	8299.51	2134.31 N	0.60	2135.60
8949.99	22.20	1.99	8391.90	2172.56 N	0.60	2173.87
9049.99	21.60	1.99	8484.68	2209.83 N	0.60	2211.17
9149.99	21.00	1.99	8577.85	2246.14 N	0.60	2247.49
9249.99	20.40	1.99	8671.40	2281.46 N	0.60	2282.84
9349.99	19.80	1.99	8765.30	2315.81 N	0.60	2317.20
9449.99	19.20	1.99	8859.57	2349.17 N	0.60	2350.58
9549.99	18.60	1.99	8954.18	2381.54 N	0.60	2382.98
9649.99	18.00	1.99	9049.12	2412.92 N	0.60	2414.38
9749.99	17.40	1.99	9144.38	2443.31 N	0.60	2444.78
9849.99	16.80	1.99	9239.96	2472.69 N	0.60	2474.18
9949.99	16.20	1.99	9335.84	2501.08 N	0.60	2502.58
10049.99	15.60	1.99	9432.02	2528.46 N	0.60	2529.98
10149.99	15.00	1.99	9528.47	2554.83 N	0.60	2556.37
10249.99	14.40	1.99	9625.20	2580.19 N	0.60	2581.74

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Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2881.75 on azimuth 1.99 degrees from wellhead.
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 West Shugart 31 Federal, Eddy County New Mexico

PROPOSAL LISTING Page 3
 Your ref : Rev 2
 Last revised : 22-Jun-2001

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
2349.39	13.80	1.99	9722.19	2604.53 N	0.60	2606.10
2449.39	13.20	1.99	9819.42	2627.86 N	0.60	2629.45
2549.39	12.60	1.99	9916.90	2650.18 N	0.60	2651.77
2635.35	12.09	1.99	10000.00	2668.35 N	0.60	2669.96 Penetrate Strawn
2649.39	12.00	1.99	10014.60	2671.47 N	0.60	2673.08
2749.39	11.40	1.99	10112.53	2691.73 N	0.60	2693.35
2849.39	10.80	1.99	10210.65	2710.97 N	0.60	2712.61
2949.39	10.20	1.99	10308.98	2729.19 N	0.60	2730.83
3049.39	9.60	1.99	10407.49	2746.37 N	0.60	2748.02
3149.39	9.00	1.99	10506.17	2762.52 N	0.60	2764.18
3249.39	8.40	1.99	10605.02	2777.64 N	0.60	2779.31
3349.39	7.80	1.99	10704.03	2791.72 N	0.60	2793.40
3449.39	7.20	1.99	10803.17	2804.76 N	0.60	2806.45
3549.39	6.60	1.99	10902.44	2816.77 N	0.60	2818.47
3649.39	6.00	1.99	11001.84	2827.73 N	0.60	2829.44
3749.39	5.40	1.99	11101.35	2837.66 N	0.60	2839.37
3849.39	4.80	1.99	11200.95	2846.54 N	0.60	2848.26
3949.39	4.20	1.99	11300.64	2854.39 N	0.60	2856.11
4049.39	3.60	1.99	11400.41	2861.18 N	0.60	2862.91
4149.39	3.00	1.99	11500.24	2866.94 N	0.60	2868.66
4249.39	2.40	1.99	11600.13	2871.64 N	0.60	2873.37
4349.39	1.80	1.99	11700.06	2875.31 N	0.60	2877.04
4449.39	1.20	1.99	11800.03	2877.92 N	0.60	2879.66
4549.39	0.60	1.99	11900.02	2879.49 N	0.60	2881.23
4649.39	0.00	1.99	12000.00	2880.01 N	0.60	2881.75 PBHL/TD

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Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 2881.75 on azimuth 1.99 degrees from wellhead.

Vertical section is from wellhead on azimuth 1.99 degrees.

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