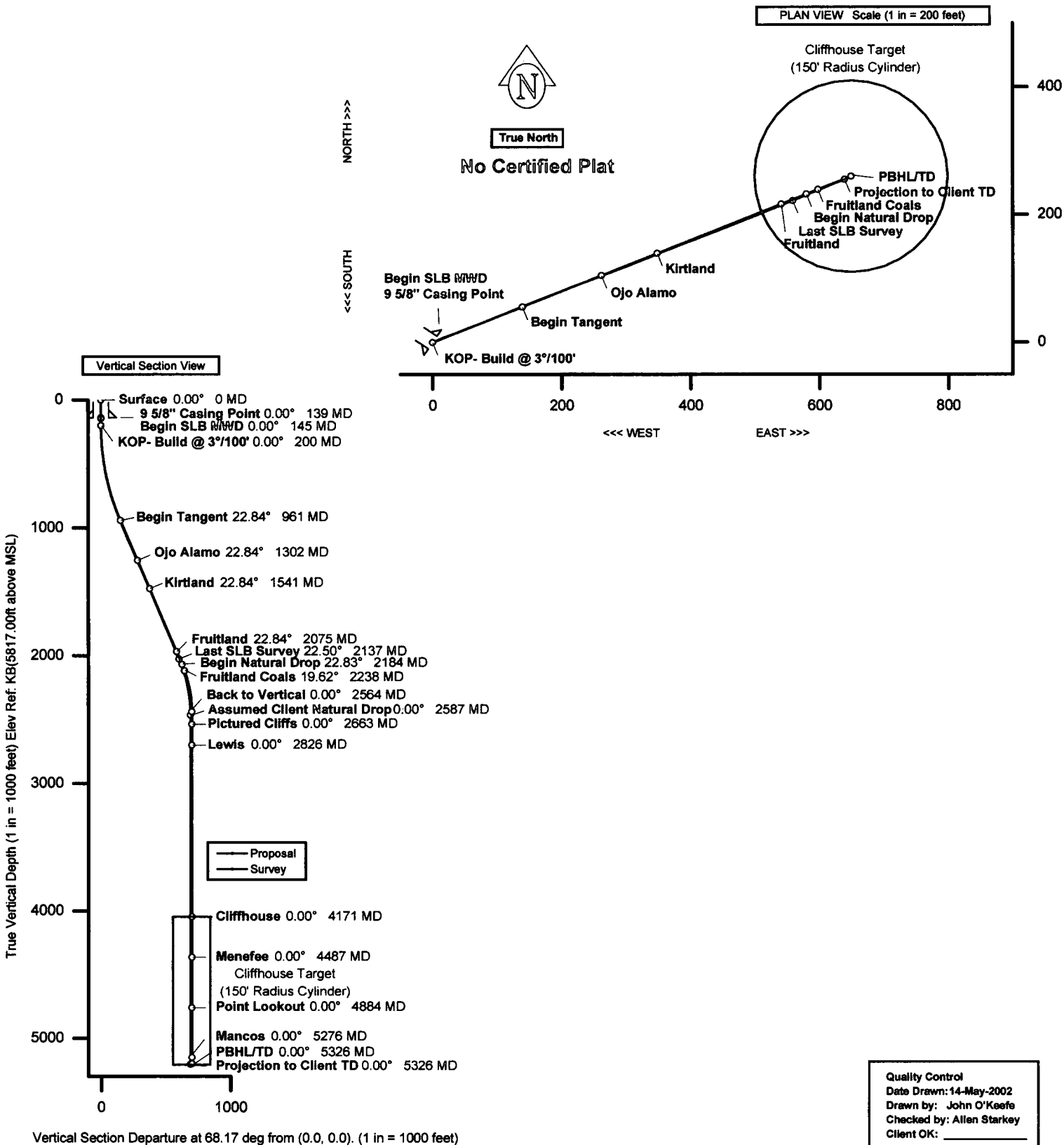


This document has been subscribed and affirmed, or sworn before me in the county of Arapahoe in the state of Colorado, this 20th day of May, 2001.

WELL Florance O 20B(Rev1 aas 18-Mar02)	FIELD San Juan County, New Mexico	RIG Aztec 184
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Survey Report - Standard

Report Date: 14-May-2002	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: BP	Vertical Section Azimuth: 68.170°
Field: NM, San Juan County	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: BP 24 30N 9W (Florance O 20B) No Certified Plat / Florance O 20B	TVD Reference Datum: KB
Well: Florance O 20B	TVD Reference Elevation: 5817.000 ft relative to MSL
Borehole: Original Hole	Sea Bed / Ground Level Elevation: 5803.000 ft relative to MSL
UWI / API#:	Magnetic Declination:
Survey Name / Date: Florance O 20B Final Surveys / May 14, 2002	Total Field Strength:
Tort / AHD / DDI / ERD ratio: 53.674° / 1655.29 ft / 4.959 / 0.318	Magnetic Dip:
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet	Declination Date:
Location Lat / Long:	Magnetic Declination Model: BGGM 2001
Location Grid N/E Y/X:	North Reference: True North
Grid Convergence Angle:	Total Corr Mag North -> True North:
Grid Scale Factor:	Local Coordinates Referenced To: Well Head

Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N-S (ft)	E-W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.2 M
Begin SLB MWD	145.00	0.00	68.17	145.00	0.00	0.00	0.00	0.00	0.00	0.00	124.2 M
	172.00	0.28	124.17	172.00	0.04	-0.04	0.05	0.07	124.17	1.04	102.7 M
	204.00	0.45	102.66	204.00	0.18	-0.11	0.24	0.27	114.16	0.67	76.7 M
	235.00	1.07	76.66	235.00	0.57	-0.07	0.64	0.65	96.08	2.24	71.0 M
	265.00	1.76	70.96	264.99	1.31	0.15	1.35	1.36	83.81	2.34	61.4 M
	297.00	2.73	61.36	296.96	2.56	0.67	2.48	2.57	74.86	3.24	58.6 M
	328.00	3.58	58.60	327.92	4.24	1.53	3.96	4.24	68.86	2.78	61.4 M
	358.00	4.56	61.43	357.84	6.35	2.59	5.80	6.36	65.97	3.33	63.5 M
	389.00	5.47	63.55	388.72	9.05	3.84	8.21	9.06	64.96	3.00	25.1 G
	422.00	6.31	67.08	421.55	12.43	5.24	11.29	12.45	65.09	2.77	19.3 G

454.00	7.17	69.47	453.32	16.18	6.63	14.78	16.20	65.84	2.83	3.3 G
485.00	8.06	69.84	484.05	20.29	8.06	18.63	20.30	66.62	2.88	-8.4 G
517.00	8.93	69.01	515.70	25.02	9.72	23.06	25.02	67.14	2.75	-5.8 G
549.00	10.08	68.34	547.26	30.30	11.64	27.98	30.30	67.41	3.61	0.5 G
581.00	11.03	68.38	578.72	36.16	13.80	33.43	36.16	67.56	2.97	0.4 G
613.00	12.12	68.42	610.07	42.58	16.17	39.40	42.58	67.69	3.41	6.2 G
646.00	13.04	68.86	642.27	49.77	18.78	46.09	49.77	67.83	2.80	-3.8 G
677.00	14.11	68.57	672.41	57.04	21.43	52.87	57.05	67.94	3.46	-2.1 G
709.00	15.23	68.41	703.36	65.15	24.40	60.41	65.15	68.01	3.50	5.6 G
741.00	16.10	68.72	734.17	73.79	27.55	68.45	73.79	68.07	2.73	-6.9 G
773.00	17.13	68.30	764.84	82.94	30.91	76.96	82.94	68.12	3.24	-5.5 G
805.00	18.10	68.00	795.34	92.62	34.51	85.95	92.62	68.12	3.04	-6.0 G
837.00	18.96	67.72	825.68	102.79	38.35	95.37	102.79	68.10	2.70	-3.0 G
900.00	20.71	67.46	884.94	124.17	46.50	115.13	124.17	68.01	2.78	-22.2 G
932.00	20.92	67.22	914.85	135.54	50.88	125.63	135.54	67.95	0.71	11.2 G
964.00	21.36	67.46	944.70	147.08	55.32	136.28	147.08	67.90	1.40	37.3 G
1055.00	22.27	69.27	1029.18	180.89	67.78	167.71	180.89	67.99	1.24	-22.6 G
1150.00	23.40	68.09	1116.73	217.75	81.19	202.05	217.75	68.11	1.28	125.2 G
1245.00	23.01	69.53	1204.05	255.18	94.72	236.95	255.18	68.21	0.72	-13.3 G
1340.00	23.76	69.09	1291.24	292.88	108.05	272.22	292.88	68.35	0.81	-157.8 G
1434.00	23.23	68.54	1377.45	330.35	121.59	307.16	330.35	68.40	0.61	-99.8 G
1528.00	23.15	67.29	1463.86	367.36	135.50	341.46	367.36	68.35	0.53	153.9 G
1624.00	21.88	68.97	1552.54	404.12	149.21	375.57	404.12	68.33	1.48	-15.5 G
1719.00	22.39	68.60	1640.54	439.91	162.16	408.93	439.91	68.37	0.56	17.9 G
1814.00	22.64	68.81	1728.30	476.29	175.37	442.83	476.29	68.39	0.28	-23.3 G
1910.00	23.39	68.00	1816.65	513.82	189.19	477.72	513.82	68.40	0.85	-177.9 G
2004.00	22.27	67.89	1903.29	550.29	202.89	511.53	550.29	68.37	1.19	103.5 G
2098.00	22.26	68.00	1990.28	585.91	216.26	544.54	585.91	68.34	0.05	-36.9 G
2137.00	22.50	67.53	2026.34	600.75	221.88	558.28	600.76	68.33	0.77	180.0 G
Last SLB Survey										
2587.00	0.00	67.53	2464.87	687.98	255.22	638.89	687.98	68.22	5.00	67.5 M
5326.00	0.00	67.53	5203.87	687.98	255.22	638.89	687.98	68.22	0.00	---
Assumed Client Natural Drop										
Projection to Client TD										

Survey Error Model: Wolff & deWardt 1.0000 sigma

Surveying Programme:

<u>MD From (ft)</u>
0.00
2587.00

<u>MD To (ft)</u>	<u>EOU Freq</u>	<u>Survey Tool Type</u>
2587.00	Act-Stns	Anadrill MWD
5326.00	Act-Stns	Poor Mag