Project:	Great Bear Project
Site:	Great Bear
Well:	Alcor #1
Wellbore:	Alcor #1
Design:	Plan Alcor #1 WP5.0

DDI (Actual) = 4.109

Alcor #1
EOW Plot
Actual vs Plan

HALLIBURTON
Sperry Drilling

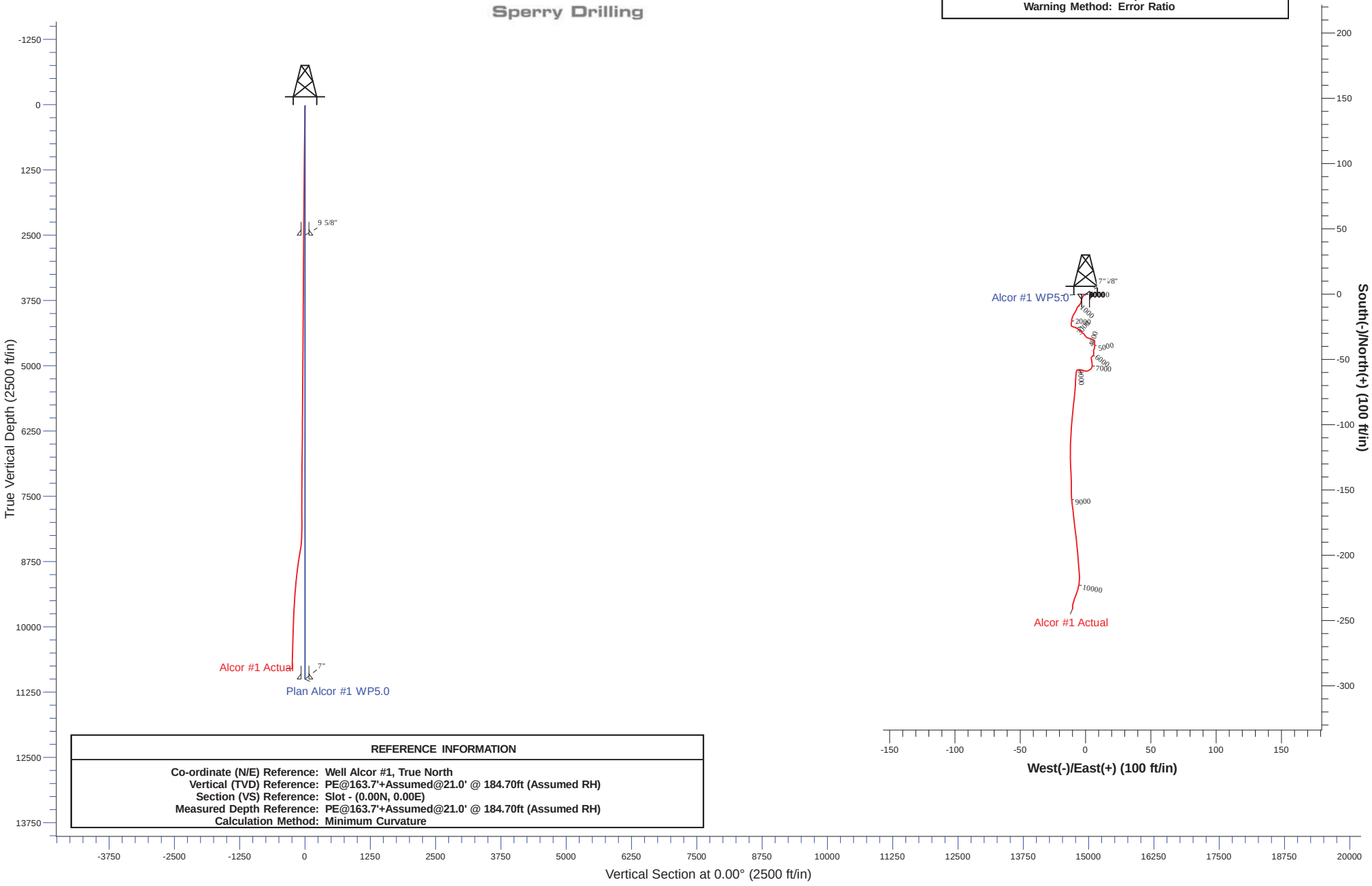
WELL DETAILS: Alcor #1

Ground Level: 163.70

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	5847838.30	665672.49	69.990586	-148.678053	

COMPANY DETAILS: Great Bear Petroleum

Calculation Method:	Minimum Curvature
Error System:	ISCWSA
Scan Method:	Trav. Cylinder North
Error Surface:	Elliptical Conic
Warning Method:	Error Ratio



REFERENCE INFORMATION

Co-ordinate (N/E) Reference:	Well Alcor #1, True North
Vertical (TVD) Reference:	PE@163.7'+Assumed@21.0' @ 184.70ft (Assumed RH)
Section (VS) Reference:	Slot - (0.00N, 0.00E)
Measured Depth Reference:	PE@163.7'+Assumed@21.0' @ 184.70ft (Assumed RH)
Calculation Method:	Minimum Curvature

Halliburton Company

Definitive Survey Report

Company:	Great Bear Petroleum	**Local Co-ordinate Reference:**	Well Alcor #1
Project:	Great Bear Project	**TVD Reference:**	Actual @ 186.00ft (163.7GL+22.3Measured)
Site:	Great Bear	**MD Reference:**	Actual @ 186.00ft (163.7GL+22.3Measured)
Well:	Alcor #1	**North Reference:**	True
Wellbore:	Alcor #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Alcor #1	**Database:**	.AK_PRD16

Project Great Bear Project

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	Alaska Zone 04		Using geodetic scale factor

Well Alcor #1

Well Position	**+N/-S**	0.00 ft	**Northing:**	5,847,838.30 ft	**Latitude:** 69.990586
	+E/-W	0.00 ft	**Easting:**	665,672.49 ft	**Longitude:** -148.678053
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:** 163.70 ft

Wellbore Alcor #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	6/15/2012	20.87	80.82	57,630

Design Alcor #1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	22.30

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	22.30	0.00	0.00	208.39

Survey Program **Date** 8/28/2012

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	Survey Start Date
139.03	416.62	Rig: Alcor #1 (MWD+Interp+Azi) (Alcor #	MWD_Interp Azi	Fixed:v2:standard dec with interpolated azimuth	06/18/2012
416.62	10,778.66	Rig: Alcor #1 (MWD) (Alcor #1)	MWD+sag	Fixed:v2:standard declination + sag	06/20/2012
2,491.00	8,311.00	Rig: Alcor #1 (MWD) (Alcor #1)	MWD+sag	Fixed:v2:standard declination + sag	06/20/2012
8,311.00	10,778.66	Rig: Alcor #1 (MWD) (Alcor #1)	MWD+sag	Fixed:v2:standard declination + sag	06/20/2012

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	DLS (°/100')	Vertical Section (ft)	Survey Tool Name
22.30	0.00	0.00	22.30	-163.70	0.00	0.00	5,847,838.30	665,672.49	0.00	0.00	UNDEFINED
139.03	0.37	207.79	139.03	-46.97	-0.33	-0.18	5,847,837.96	665,672.32	0.32	0.38	MWD_Interp Azi (1)
231.15	0.19	271.35	231.15	45.15	-0.59	-0.47	5,847,837.70	665,672.04	0.36	0.74	MWD_Interp Azi (1)
322.39	0.46	261.45	322.39	136.39	-0.64	-0.98	5,847,837.64	665,671.52	0.30	1.03	MWD_Interp Azi (1)
416.62	0.80	219.77	416.61	230.61	-1.21	-1.78	5,847,837.06	665,670.74	0.58	1.90	MWD_Interp Azi (1)
503.87	1.11	201.58	503.85	317.85	-2.46	-2.48	5,847,835.79	665,670.07	0.49	3.34	MWD+sag (2)
592.94	1.04	196.68	592.90	406.90	-4.04	-3.03	5,847,834.20	665,669.55	0.13	4.99	MWD+sag (2)
685.39	0.95	186.77	685.34	499.34	-5.60	-3.36	5,847,832.63	665,669.26	0.21	6.52	MWD+sag (2)
780.20	0.94	208.49	780.14	594.14	-7.07	-3.82	5,847,831.15	665,668.82	0.38	8.03	MWD+sag (2)
877.37	0.65	225.85	877.30	691.30	-8.15	-4.60	5,847,830.05	665,668.07	0.38	9.35	MWD+sag (2)
976.87	0.55	217.66	976.79	790.79	-8.92	-5.29	5,847,829.27	665,667.39	0.13	10.36	MWD+sag (2)

Company:	Great Bear Petroleum	**Local Co-ordinate Reference:**	Well Alcor #1
Project:	Great Bear Project	**TVD Reference:**	Actual @ 186.00ft (163.7GL+22.3Measured)
Site:	Great Bear	**MD Reference:**	Actual @ 186.00ft (163.7GL+22.3Measured)
Well:	Alcor #1	**North Reference:**	True
Wellbore:	Alcor #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Alcor #1	**Database:**	.AK_PRD16

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	DLS (°/100')	Vertical Section (ft)	Survey Tool Name
1,070.52	0.84	233.02	1,070.44	884.44	-9.69	-6.12	5,847,828.48	665,666.59	0.37	11.43	MWD+sag (2)
1,161.77	0.84	184.97	1,161.68	975.68	-10.76	-6.71	5,847,827.40	665,666.02	0.75	12.65	MWD+sag (2)
1,259.04	0.65	208.98	1,258.94	1,072.94	-11.95	-7.04	5,847,826.20	665,665.71	0.37	13.86	MWD+sag (2)
1,355.56	0.78	205.42	1,355.45	1,169.45	-13.02	-7.58	5,847,825.12	665,665.19	0.14	15.06	MWD+sag (2)
1,451.70	0.70	209.13	1,451.58	1,265.58	-14.13	-8.15	5,847,824.00	665,664.65	0.10	16.30	MWD+sag (2)
1,547.61	0.87	214.97	1,547.48	1,361.48	-15.24	-8.85	5,847,822.88	665,663.97	0.20	17.61	MWD+sag (2)
1,642.98	0.86	205.66	1,642.84	1,456.84	-16.47	-9.58	5,847,821.62	665,663.27	0.15	19.05	MWD+sag (2)
1,739.38	0.64	193.71	1,739.24	1,553.24	-17.65	-10.02	5,847,820.44	665,662.86	0.28	20.29	MWD+sag (2)
1,836.78	0.69	209.38	1,836.63	1,650.63	-18.69	-10.44	5,847,819.39	665,662.46	0.19	21.40	MWD+sag (2)
1,931.60	0.71	175.26	1,931.44	1,745.44	-19.77	-10.67	5,847,818.30	665,662.25	0.43	22.47	MWD+sag (2)
2,028.33	0.48	183.94	2,028.17	1,842.17	-20.77	-10.65	5,847,817.30	665,662.30	0.25	23.34	MWD+sag (2)
2,123.91	0.46	205.20	2,123.74	1,937.74	-21.52	-10.84	5,847,816.55	665,662.12	0.18	24.08	MWD+sag (2)
2,217.21	0.50	180.79	2,217.04	2,031.04	-22.27	-11.00	5,847,815.80	665,661.97	0.22	24.82	MWD+sag (2)
2,312.62	0.53	181.16	2,312.45	2,126.45	-23.12	-11.02	5,847,814.94	665,661.98	0.03	25.58	MWD+sag (2)
2,409.08	0.22	169.25	2,408.90	2,222.90	-23.75	-10.99	5,847,814.32	665,662.02	0.33	26.12	MWD+sag (2)
2,463.32	0.57	179.55	2,463.14	2,277.14	-24.12	-10.97	5,847,813.95	665,662.05	0.66	26.44	MWD+sag (2)
2,510.66	0.67	119.99	2,510.48	2,324.48	-24.50	-10.73	5,847,813.58	665,662.30	1.31	26.65	MWD+sag (3)
2,606.45	1.05	112.70	2,606.26	2,420.26	-25.12	-9.43	5,847,812.99	665,663.60	0.41	26.58	MWD+sag (3)
2,700.00	0.12	96.30	2,699.80	2,513.80	-25.46	-8.54	5,847,812.66	665,664.50	1.00	26.46	MWD+sag (3)
2,799.23	0.18	69.63	2,799.03	2,613.03	-25.41	-8.30	5,847,812.71	665,664.75	0.09	26.30	MWD+sag (3)
2,894.32	0.50	111.12	2,894.12	2,708.12	-25.51	-7.77	5,847,812.63	665,665.28	0.40	26.14	MWD+sag (3)
2,990.67	0.53	133.19	2,990.47	2,804.47	-25.97	-7.05	5,847,812.19	665,666.00	0.21	26.20	MWD+sag (3)
3,084.68	0.88	117.17	3,084.47	2,898.47	-26.60	-6.09	5,847,811.58	665,666.98	0.42	26.29	MWD+sag (3)
3,180.11	0.85	116.51	3,179.89	2,993.89	-27.25	-4.81	5,847,810.96	665,668.28	0.03	26.25	MWD+sag (3)
3,275.33	0.61	141.14	3,275.10	3,089.10	-27.96	-3.86	5,847,810.27	665,669.24	0.41	26.43	MWD+sag (3)
3,372.36	0.83	141.77	3,372.12	3,186.12	-28.91	-3.10	5,847,809.33	665,670.02	0.23	26.91	MWD+sag (3)
3,468.66	0.65	129.82	3,468.42	3,282.42	-29.81	-2.25	5,847,808.45	665,670.89	0.25	27.29	MWD+sag (3)
3,560.34	1.00	128.73	3,560.09	3,374.09	-30.64	-1.22	5,847,807.64	665,671.93	0.38	27.54	MWD+sag (3)
3,656.27	0.94	157.86	3,656.00	3,470.00	-31.89	-0.27	5,847,806.41	665,672.91	0.51	28.19	MWD+sag (3)
3,755.14	0.94	121.17	3,754.86	3,568.86	-33.07	0.73	5,847,805.26	665,673.93	0.60	28.74	MWD+sag (3)
3,851.82	0.94	107.39	3,851.53	3,665.53	-33.71	2.16	5,847,804.64	665,675.38	0.23	28.63	MWD+sag (3)
3,948.95	0.63	109.99	3,948.65	3,762.65	-34.13	3.42	5,847,804.25	665,676.65	0.32	28.40	MWD+sag (3)
4,043.92	0.19	103.09	4,043.62	3,857.62	-34.35	4.07	5,847,804.05	665,677.30	0.47	28.28	MWD+sag (3)
4,140.04	0.15	126.06	4,139.74	3,953.74	-34.46	4.32	5,847,803.95	665,677.56	0.08	28.26	MWD+sag (3)
4,236.56	0.32	102.08	4,236.26	4,050.26	-34.59	4.69	5,847,803.82	665,677.93	0.20	28.20	MWD+sag (3)
4,331.54	0.29	159.75	4,331.23	4,145.23	-34.87	5.03	5,847,803.55	665,678.28	0.31	28.28	MWD+sag (3)
4,425.85	0.62	116.22	4,425.54	4,239.54	-35.32	5.57	5,847,803.11	665,678.83	0.48	28.42	MWD+sag (3)
4,523.07	0.27	149.90	4,522.76	4,336.76	-35.75	6.16	5,847,802.69	665,679.42	0.43	28.52	MWD+sag (3)
4,618.45	0.53	131.14	4,618.14	4,432.14	-36.23	6.61	5,847,802.22	665,679.88	0.30	28.73	MWD+sag (3)
4,710.67	0.31	184.86	4,710.35	4,524.35	-36.76	6.91	5,847,801.70	665,680.19	0.46	29.06	MWD+sag (3)

Company:	Great Bear Petroleum	**Local Co-ordinate Reference:**	Well Alcor #1
Project:	Great Bear Project	**TVD Reference:**	Actual @ 186.00ft (163.7GL+22.3Measured)
Site:	Great Bear	**MD Reference:**	Actual @ 186.00ft (163.7GL+22.3Measured)
Well:	Alcor #1	**North Reference:**	True
Wellbore:	Alcor #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Alcor #1	**Database:**	.AK_PRD16

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	DLS (°/100')	Vertical Section (ft)	Survey Tool Name
4,808.64	0.68	180.96	4,808.32	4,622.32	-37.61	6.87	5,847,800.85	665,680.18	0.38	29.82	MWD+sag (3)
4,903.55	0.33	180.86	4,903.23	4,717.23	-38.45	6.86	5,847,800.02	665,680.18	0.37	30.56	MWD+sag (3)
4,999.95	0.55	168.26	4,999.62	4,813.62	-39.18	6.95	5,847,799.29	665,680.29	0.25	31.16	MWD+sag (3)
5,095.22	0.47	204.56	5,094.89	4,908.89	-39.98	6.88	5,847,798.48	665,680.23	0.34	31.90	MWD+sag (3)
5,190.87	0.69	179.59	5,190.53	5,004.53	-40.91	6.72	5,847,797.55	665,680.10	0.35	32.79	MWD+sag (3)
5,286.20	0.26	183.07	5,285.86	5,099.86	-41.70	6.71	5,847,796.76	665,680.11	0.45	33.49	MWD+sag (3)
5,382.80	0.32	212.82	5,382.46	5,196.46	-42.15	6.56	5,847,796.31	665,679.96	0.17	33.96	MWD+sag (3)
5,476.87	0.51	208.96	5,476.53	5,290.53	-42.73	6.21	5,847,795.71	665,679.63	0.20	34.64	MWD+sag (3)
5,573.78	0.60	174.46	5,573.43	5,387.43	-43.62	6.05	5,847,794.83	665,679.48	0.35	35.49	MWD+sag (3)
5,669.61	0.39	169.03	5,669.26	5,483.26	-44.44	6.16	5,847,794.01	665,679.61	0.22	36.16	MWD+sag (3)
5,764.88	0.46	176.14	5,764.53	5,578.53	-45.14	6.25	5,847,793.31	665,679.72	0.09	36.73	MWD+sag (3)
5,860.77	0.50	196.81	5,860.41	5,674.41	-45.92	6.15	5,847,792.53	665,679.64	0.18	37.47	MWD+sag (3)
5,956.68	0.61	212.35	5,956.32	5,770.32	-46.75	5.76	5,847,791.69	665,679.26	0.19	38.39	MWD+sag (3)
6,054.74	0.58	217.79	6,054.37	5,868.37	-47.59	5.18	5,847,790.84	665,678.70	0.07	39.40	MWD+sag (3)
6,149.17	0.43	229.35	6,148.80	5,962.80	-48.19	4.61	5,847,790.22	665,678.15	0.19	40.20	MWD+sag (3)
6,241.53	0.53	187.93	6,241.16	6,055.16	-48.84	4.29	5,847,789.56	665,677.84	0.38	40.93	MWD+sag (3)
6,336.73	0.44	156.77	6,336.35	6,150.35	-49.62	4.38	5,847,788.79	665,677.94	0.29	41.57	MWD+sag (3)
6,388.96	0.51	174.23	6,388.58	6,202.58	-50.03	4.48	5,847,788.38	665,678.05	0.31	41.88	MWD+sag (3)
6,437.33	0.65	159.50	6,436.95	6,250.95	-50.50	4.60	5,847,787.91	665,678.18	0.42	42.24	MWD+sag (3)
6,534.86	0.49	172.94	6,534.48	6,348.48	-51.43	4.84	5,847,786.99	665,678.44	0.21	42.94	MWD+sag (3)
6,630.89	0.45	184.45	6,630.50	6,444.50	-52.22	4.86	5,847,786.20	665,678.48	0.11	43.62	MWD+sag (3)
6,726.83	0.44	180.68	6,726.44	6,540.44	-52.96	4.83	5,847,785.46	665,678.47	0.03	44.29	MWD+sag (3)
6,822.44	0.40	162.88	6,822.05	6,636.05	-53.65	4.92	5,847,784.78	665,678.57	0.14	44.85	MWD+sag (3)
6,918.13	0.56	174.04	6,917.73	6,731.73	-54.43	5.07	5,847,783.99	665,678.74	0.19	45.47	MWD+sag (3)
7,011.46	0.32	185.63	7,011.06	6,825.06	-55.14	5.09	5,847,783.28	665,678.77	0.27	46.09	MWD+sag (3)
7,109.41	0.54	204.95	7,109.01	6,923.01	-55.84	4.87	5,847,782.59	665,678.57	0.27	46.80	MWD+sag (3)
7,205.30	0.45	211.55	7,204.89	7,018.89	-56.57	4.48	5,847,781.85	665,678.20	0.11	47.63	MWD+sag (3)
7,301.43	0.57	216.27	7,301.02	7,115.02	-57.27	4.00	5,847,781.13	665,677.73	0.13	48.48	MWD+sag (3)
7,394.03	0.88	237.89	7,393.61	7,207.61	-58.02	3.13	5,847,780.36	665,676.87	0.44	49.56	MWD+sag (3)
7,492.35	1.06	248.06	7,491.92	7,305.92	-58.76	1.64	5,847,779.59	665,675.41	0.25	50.91	MWD+sag (3)
7,589.06	0.64	283.13	7,588.62	7,402.62	-58.98	0.29	5,847,779.35	665,674.06	0.67	51.74	MWD+sag (3)
7,684.78	0.72	280.36	7,684.33	7,498.33	-58.75	-0.82	5,847,779.55	665,672.94	0.09	52.07	MWD+sag (3)
7,779.85	0.64	297.13	7,779.40	7,593.40	-58.40	-1.88	5,847,779.88	665,671.87	0.22	52.27	MWD+sag (3)
7,877.15	0.79	282.23	7,876.69	7,690.69	-58.01	-3.02	5,847,780.25	665,670.72	0.24	52.47	MWD+sag (3)
7,973.13	0.91	268.39	7,972.66	7,786.66	-57.89	-4.43	5,847,780.33	665,669.31	0.25	53.03	MWD+sag (3)
8,066.71	1.07	262.34	8,066.22	7,880.22	-58.02	-6.04	5,847,780.16	665,667.71	0.20	53.92	MWD+sag (3)
8,163.21	1.06	183.52	8,162.71	7,976.71	-59.04	-6.99	5,847,779.13	665,666.78	1.40	55.26	MWD+sag (3)
8,256.61	2.03	187.48	8,256.08	8,070.08	-61.54	-7.26	5,847,776.62	665,666.57	1.04	57.59	MWD+sag (3)
8,276.71	2.22	188.14	8,276.16	8,090.16	-62.28	-7.36	5,847,775.88	665,666.48	0.95	58.28	MWD+sag (3)
8,360.29	3.67	182.39	8,359.63	8,173.63	-66.55	-7.70	5,847,771.60	665,666.24	1.77	62.21	MWD+sag (4)

Company:	Great Bear Petroleum	**Local Co-ordinate Reference:**	Well Alcor #1
Project:	Great Bear Project	**TVD Reference:**	Actual @ 186.00ft (163.7GL+22.3Measured)
Site:	Great Bear	**MD Reference:**	Actual @ 186.00ft (163.7GL+22.3Measured)
Well:	Alcor #1	**North Reference:**	True
Wellbore:	Alcor #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Alcor #1	**Database:**	.AK_PRD16

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	DLS (°/100')	Vertical Section (ft)	Survey Tool Name
8,396.65	4.99	183.01	8,395.89	8,209.89	-69.29	-7.83	5,847,768.86	665,666.16	3.63	64.68	MWD+sag (4)
8,428.91	5.96	184.13	8,428.00	8,242.00	-72.37	-8.03	5,847,765.78	665,666.04	3.02	67.48	MWD+sag (4)
8,457.38	6.62	184.77	8,456.30	8,270.30	-75.48	-8.27	5,847,762.67	665,665.86	2.33	70.33	MWD+sag (4)
8,491.89	7.22	186.53	8,490.55	8,304.55	-79.61	-8.68	5,847,758.52	665,665.54	1.84	74.16	MWD+sag (4)
8,525.32	8.06	186.68	8,523.69	8,337.69	-84.03	-9.19	5,847,754.10	665,665.12	2.51	78.29	MWD+sag (4)
8,554.46	8.67	185.91	8,552.52	8,366.52	-88.24	-9.66	5,847,749.88	665,664.75	2.13	82.22	MWD+sag (4)
8,598.25	9.50	184.77	8,595.76	8,409.76	-95.13	-10.30	5,847,742.98	665,664.26	1.94	88.58	MWD+sag (4)
8,659.65	10.12	183.80	8,656.26	8,470.26	-105.56	-11.07	5,847,732.53	665,663.71	1.04	98.12	MWD+sag (4)
8,693.51	9.83	182.61	8,689.61	8,503.61	-111.41	-11.40	5,847,726.67	665,663.51	1.05	103.43	MWD+sag (4)
8,723.57	9.80	181.00	8,719.23	8,533.23	-116.53	-11.57	5,847,721.55	665,663.45	0.92	108.01	MWD+sag (4)
8,756.25	9.65	180.09	8,751.44	8,565.44	-122.05	-11.62	5,847,716.03	665,663.52	0.66	112.90	MWD+sag (4)
8,790.22	8.91	178.99	8,784.96	8,598.96	-127.53	-11.58	5,847,710.56	665,663.68	2.24	117.69	MWD+sag (4)
8,825.57	8.56	177.37	8,819.90	8,633.90	-132.90	-11.41	5,847,705.20	665,663.97	1.21	122.33	MWD+sag (4)
8,850.66	8.67	176.28	8,844.71	8,658.71	-136.65	-11.20	5,847,701.45	665,664.26	0.78	125.54	MWD+sag (4)
8,950.92	7.22	181.35	8,944.01	8,758.01	-150.49	-10.86	5,847,687.62	665,664.90	1.60	137.55	MWD+sag (4)
9,046.40	6.24	171.45	9,038.83	8,852.83	-161.62	-10.23	5,847,676.51	665,665.77	1.59	147.04	MWD+sag (4)
9,143.03	4.89	174.66	9,135.00	8,949.00	-170.91	-9.06	5,847,667.24	665,667.14	1.43	154.66	MWD+sag (4)
9,240.11	4.61	172.51	9,231.75	9,045.75	-178.90	-8.17	5,847,659.28	665,668.20	0.34	161.26	MWD+sag (4)
9,335.90	4.22	173.94	9,327.26	9,141.26	-186.22	-7.30	5,847,651.98	665,669.23	0.42	167.29	MWD+sag (4)
9,431.91	3.88	174.51	9,423.03	9,237.03	-192.97	-6.61	5,847,645.25	665,670.06	0.36	172.90	MWD+sag (4)
9,527.21	3.48	174.68	9,518.13	9,332.13	-199.06	-6.03	5,847,639.17	665,670.77	0.42	177.98	MWD+sag (4)
9,622.34	3.07	176.04	9,613.10	9,427.10	-204.47	-5.59	5,847,633.77	665,671.33	0.44	182.53	MWD+sag (4)
9,719.33	3.05	174.83	9,709.96	9,523.96	-209.64	-5.18	5,847,628.62	665,671.86	0.07	186.88	MWD+sag (4)
9,815.52	2.76	177.03	9,806.02	9,620.02	-214.50	-4.83	5,847,623.76	665,672.31	0.32	190.99	MWD+sag (4)
9,912.28	2.50	181.36	9,902.68	9,716.68	-218.93	-4.76	5,847,619.33	665,672.48	0.34	194.86	MWD+sag (4)
10,064.19	2.23	194.12	10,054.46	9,868.46	-225.11	-5.56	5,847,613.14	665,671.81	0.39	200.67	MWD+sag (4)
10,157.05	1.66	203.99	10,147.27	9,961.27	-228.09	-6.55	5,847,610.13	665,670.89	0.71	203.77	MWD+sag (4)
10,254.18	1.66	200.62	10,244.36	10,058.36	-230.69	-7.61	5,847,607.51	665,669.88	0.10	206.56	MWD+sag (4)
10,349.19	1.60	196.87	10,339.33	10,153.33	-233.25	-8.48	5,847,604.93	665,669.07	0.13	209.22	MWD+sag (4)
10,447.17	1.59	196.11	10,437.27	10,251.27	-235.87	-9.26	5,847,602.30	665,668.35	0.02	211.89	MWD+sag (4)
10,539.87	1.20	196.93	10,529.94	10,343.94	-238.03	-9.90	5,847,600.13	665,667.76	0.42	214.10	MWD+sag (4)
10,731.66	0.57	144.06	10,721.71	10,535.71	-240.72	-9.92	5,847,597.43	665,667.79	0.51	216.48	MWD+sag (4)
10,778.66	0.52	224.28	10,768.71	10,582.71	-241.07	-9.93	5,847,597.09	665,667.79	1.50	216.79	MWD+sag (4)
10,812.00	0.52	224.28	10,802.05	10,616.05	-241.28	-10.14	5,847,596.87	665,667.58	0.00	217.08	PROJECTED to TD