

30-015-37940

RDC THE DIRECTOR'S REPORTING COMPANY		SURVEY CALCULATION PROGRAM								v1.00.02		TARGET DETAILS								
OPERATOR:		Marbob Energy Corp				Supervisors:						TARGET N-S Directional								
WELL:		Myox 30 Fee #10H				Joe Beal						TARGET E-W								
LOCATION:		Eddy Co. NM.				Roman Duran						TARGET RADIUS								
JOB NUMBER:		WT-10410				0.0						TARGET DISPLACEMENT								
COMMENTS:												TARGET CLOSURE								
						MAG DEC.(-/+)				7.83		TARGET TVD Horizontal 6520.10								
						GRID CORR.(-/+)						DIP AZ 179.59								
						TOTAL CORR.(-/+)				7.83		DIP DEG UP+/DN- 0.00								
DATE: 09/11/10		TIME: 8:23 PM										TARGET INCLINATION 90.00								
MINIMUM CURVATURE CALCULATIONS(SPE-3362)									PROPOSED DIRECTION 179.59		TARGET TRACKING TO CENTER		CLOSURE DIR (DEG AZ)		CLOSURE DISTANCE (FEET)		BUILD RATE/ %100'		WALK RATE/ %100'	
SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)										
Tie-in	5863	1.2	186.0	5860.83	-34.5	35.03	76.08		659.27	-76.32	65.28	83.76								
1	5896	1.4	193.5	5893.82	-33.76	34.31	75.95	0.89	626.28	-76.19	65.69	83.34	0.73	22.85						
2	5927	1.3	188.7	5924.81	-33.05	33.59	75.81	0.49	595.29	-76.05	66.10	82.92	-0.32	-15.48						
3	5959	2.4	172.2	5956.80	-32.02	32.57	75.85	3.78	563.30	-76.08	66.76	82.54	3.44	-51.56						
4	5990	7.8	167.9	5987.66	-29.32	29.87	76.38	17.45	532.44	-76.59	68.64	82.01	17.42	-13.87						
5	6022	13.0	174.0	6019.13	-23.61	24.16	77.21	16.59	500.97	-77.38	72.62	80.90	16.25	19.06						
6	6053	17.4	178.1	6049.04	-15.50	16.05	77.73	14.60	471.06	-77.84	78.33	79.37	14.19	13.23						
7	6085	20.0	176.7	6079.34	-5.25	5.81	78.20	8.24	440.76	-78.24	85.75	78.41	8.12	-4.38						
8	6116	23.4	175.4	6108.14	6.19	-5.62	79.00	11.08	411.96	-78.96	94.07	79.20	10.97	-4.19						
9	6147	27.4	176.8	6136.14	19.46	-18.89	79.89	13.05	383.96	-79.75	103.30	82.09	12.90	4.52						
10	6178	29.8	178.2	6163.36	34.29	-33.71	80.53	8.04	356.74	-80.29	112.72	87.30	7.74	4.52						
11	6210	32.0	180.5	6190.81	50.72	-50.14	80.71	7.80	329.29	-80.35	121.85	95.01	6.88	7.19						
12	6241	34.9	182.3	6216.68	67.79	-67.22	80.28	9.89	303.42	-79.80	129.94	104.70	9.35	5.81						
13	6272	37.7	183.2	6241.66	86.11	-85.55	79.39	9.19	278.44	-78.78	137.14	116.71	9.03	2.90						
14	6303	41.2	183.0	6265.59	105.77	-105.21	78.33	11.30	254.51	-77.58	143.33	131.17	11.29	-0.65						
15	6335	42.1	183.2	6289.50	127.00	-126.45	77.18	2.84	230.60	-76.27	148.60	148.14	2.81	0.62						
16	6366	43.5	182.0	6312.25	148.03	-147.49	76.23	5.23	207.85	-75.17	152.67	166.02	4.52	-3.87						
17	6398	45.7	180.6	6335.03	170.49	-169.95	75.72	7.53	185.07	-74.50	155.98	186.06	6.88	-4.38						
18	6429	48.6	180.9	6356.11	193.21	-192.67	75.42	9.38	163.99	-74.04	158.62	206.91	9.35	0.97						
19	6461	51.3	181.3	6376.70	217.69	-217.16	74.95	8.49	143.40	-73.40	160.96	229.73	8.44	1.25						
20	6492	53.2	180.5	6395.68	242.20	-241.67	74.57	6.46	124.42	-72.84	162.85	252.91	6.13	-2.58						
21	6523	55.5	180.2	6413.75	267.38	-266.86	74.42	7.46	106.35	-72.50	164.42	277.04	7.42	-0.97						
22	6555	57.7	180.4	6431.36	294.09	-293.57	74.28	6.89	88.74	-72.17	165.80	302.82	6.87	0.63						
23	6587	61.7	181.0	6447.50	321.71	-321.19	73.94	12.60	72.60	-71.64	167.04	329.59	12.50	1.87						
24	6618	63.2	181.4	6461.84	349.18	-348.67	73.36	4.97	58.26	-70.86	168.12	356.30	4.84	1.29						
25	6649	66.6	181.4	6474.99	377.24	-376.73	72.67	10.97	45.11	-69.98	169.08	383.67	10.97	0.00						



SURVEY CALCULATION PROGRAM

v1.00.02

TARGET DETAILS

OPERATOR:	Marbob Energy Corp		Supervisors:		TARGET N-S			Directional			
WELL:	Myox 30 Fee #10H		Joe Beal		TARGET E-W						
LOCATION:	Eddy Co. NM.		Roman Duran		TARGET RADIUS						
JOB NUMBER:	WT-10410		0.0		TARGET DISPLACEMENT						
COMMENTS:					TARGET CLOSURE						
					MAG DEC./(-+)	7.83	TARGET TVD		Horizontal	6520.10	
					GRID CORR./(-+)		DIP AZ				179.59
					TOTAL CORR./(-+)	7.83	DIP DEG UP+/DN-				

DATE: 09/11/10

TIME: 8:23 PM

MINIMUM CURVATURE CALCULATIONS(SPE-3362)

PROPOSED DIRECTION

179.59

TARGET TRACKING

TO CENTER

SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	CLOSURE DIR (DEG AZ)	CLOSURE DISTANCE (FEET)	BUILD RATE/ %100'	WALK RATE/ %100'
26	6680	67.1	181.0	6487.18	405.73	-405.23	72.08	2.00	32.92	-69.18	169.91	411.59	1.61	-1.29
27	6712	70.7	180.8	6498.69	435.57	-435.07	71.61	11.27	21.41	-68.49	170.65	440.92	11.25	-0.62
28	6743	73.5	180.6	6508.22	465.06	-464.57	71.25	9.05	11.88	-67.92	171.28	470.00	9.03	-0.65
29	6774	78.5	180.5	6515.72	495.13	-494.63	70.96	16.13	4.38	-67.42	171.84	499.70	16.13	-0.32
30	6805	84.4	180.9	6520.33	525.76	-525.27	70.58	19.07	-0.23	-66.82	172.35	529.99	19.03	1.29
31	6837	87.3	181.2	6522.64	557.67	-557.18	70.00	9.11	-2.54	-66.01	172.84	561.56	9.06	0.94
32	6866	88.1	180.8	6523.80	586.63	-586.15	69.49	3.08	-3.70	-65.30	173.24	590.26	2.76	-1.38
33	6897	88.3	180.6	6524.78	617.61	-617.13	69.12	0.91	-4.68	-64.70	173.61	620.99	0.65	-0.65
34	6960	88.90	179.90	6526.32	680.59	-680.11	68.84	1.46	-6.22	-63.97	174.22	683.59	0.95	-1.11
35	7054	90.80	180.10	6526.56	774.58	-774.11	68.84	2.03	-6.46	-63.30	174.92	777.16	2.02	0.21
36	7159	90.00	179.20	6525.83	879.58	-879.10	69.48	1.15	-5.73	-63.19	175.48	881.85	-0.76	-0.86
37	7241	89.50	178.70	6526.19	961.57	-961.09	70.98	0.86	-6.09	-64.11	175.78	963.71	-0.61	-0.61
38	7335	90.70	179.00	6526.02	1055.56	-1055.07	72.87	1.32	-5.92	-65.32	176.05	1057.58	1.28	0.32
39	7428	90.00	178.20	6525.46	1148.55	-1148.04	75.14	1.14	-5.36	-66.93	176.26	1150.49	-0.75	-0.86
40	7522	89.40	178.20	6525.95	1242.52	-1241.99	78.10	0.64	-5.85	-69.21	176.40	1244.44	-0.64	0.00
41	7616	91.00	178.70	6525.62	1336.49	-1335.95	80.64	1.78	-5.52	-71.08	176.55	1338.38	1.70	0.53
42	7709	91.10	178.70	6523.92	1429.47	-1428.91	82.75	0.11	-3.82	-72.52	176.69	1431.30	0.11	0.00
43	7803	89.60	177.80	6523.34	1523.44	-1522.86	85.62	1.86	-3.24	-74.72	176.78	1525.27	-1.60	-0.96
44	7896	89.70	178.90	6523.91	1616.41	-1615.82	88.30	1.19	-3.81	-76.73	176.87	1618.23	0.11	1.18
45	8021	90.40	180.60	6523.80	1741.40	-1740.81	88.84	1.47	-3.70	-76.38	177.08	1743.08	0.56	1.36
46	8084	90.50	180.30	6523.31	1804.40	-1803.81	88.35	0.50	-3.21	-75.44	177.20	1805.97	0.16	-0.48
47	8177	90.70	179.90	6522.33	1897.39	-1896.80	88.18	0.48	-2.23	-74.61	177.34	1898.85	0.22	-0.43
48	8270	91.00	179.00	6520.95	1990.37	-1989.79	89.08	1.02	-0.85	-74.84	177.44	1991.78	0.32	-0.97
49	8362	93.50	180.10	6517.34	2082.29	-2081.71	89.80	2.97	2.76	-74.90	177.53	2083.64	2.72	1.20
50	8424	93.90	180.10	6513.34	2144.16	-2143.58	89.69	0.65	6.76	-74.35	177.60	2145.45	0.65	0.00
51	8484	94.30	179.70	6509.05	2204.01	-2203.42	89.80	0.94	11.05	-74.03	177.67	2205.25	0.67	-0.67

		SURVEY CALCULATION PROGRAM										v1.00.02				TARGET DETAILS													
OPERATOR:		Marbob Energy Corp						Supervisors:						TARGET N-S Directional															
WELL:		Myox 30 Fee #10H						Joe Beal						TARGET E-W															
LOCATION:		Eddy Co. NM.						Roman Duran						TARGET RADIUS															
JOB NUMBER:		WT-10410						0.0						TARGET DISPLACEMENT															
		COMMENTS:												TARGET CLOSURE															
														TARGET TVD Horizontal 6520.10															
								MAG DEC.(-/+)				7.83		DIP AZ 179.59															
								GRID CORR.(-/+)						DIP DEG UP+/-/DN- 0.00															
								TOTAL CORR.(-/+)				7.83																	
		DATE: 09/11/10						TIME: 8:23 PM						TARGET INCLINATION 90.00															
MINIMUM CURVATURE CALCULATIONS(SPE-3362)										PROPOSED DIRECTION			179.59		TARGET TRACKING TO CENTER		CLOSURE DIR		CLOSURE DISTANCE		BUILD RATE/		WALK RATE/						
SVY NUM		MD		INC		TRUE AZM		TVD		SECT		N-S		E-W		DLS/ 100		ABOVE(+) BELOW(-)		RIGHT(+) LEFT(-)		(DEG AZ)		(FEET)		%100'		%100'	
52		8514		92.20		179.60		6507.35		2233.96		-2233.37		89.98		7.01		12.75		-74.00		177.69		2235.18		-7.00		-0.33	
53		8544		90.20		180.60		6506.72		2263.95		-2263.36		89.93		7.45		13.38		-73.73		177.72		2265.15		-6.67		3.33	
54		8575		89.20		180.80		6506.88		2294.94		-2294.36		89.55		3.29		13.22		-73.13		177.76		2296.11		-3.23		0.65	
55		8616		88.90		180.30		6507.56		2335.93		-2335.35		89.15		1.42		12.54		-72.44		177.81		2337.05		-0.73		-1.22	
56		8662		89.00		179.90		6508.41		2381.92		-2381.34		89.07		0.90		11.69		-72.03		177.86		2383.01		0.22		-0.87	
57		8762		86.70		178.30		6512.16		2481.84		-2481.25		90.64		2.80		7.94		-72.89		177.91		2482.91		-2.30		-1.60	
58		8824		87.70		178.00		6515.19		2543.74		-2543.14		92.64		1.68		4.91		-74.44		177.91		2544.83		1.61		-0.48	
59		8916		89.50		179.40		6517.43		2635.70		-2635.09		94.73		2.48		2.67		-75.87		177.94		2636.79		1.96		1.52	
60		9009		88.90		178.30		6518.73		2728.68		-2728.06		96.59		1.35		1.37		-77.07		177.97		2729.77		-0.65		-1.18	
61		9101		87.90		177.60		6521.30		2820.60		-2819.96		99.88		1.33		-1.20		-79.70		177.97		2821.73		-1.09		-0.76	
62		9194		89.30		177.80		6523.57		2913.52		-2912.86		103.61		1.52		-3.47		-82.77		177.96		2914.70		1.51		0.22	
63		9288		90.70		178.20		6523.57		3007.48		-3006.80		106.90		1.55		-3.47		-85.38		177.96		3008.70		1.49		0.43	
64		9382		90.20		177.10		6522.84		3101.43		-3100.71		110.75		1.29		-2.74		-88.56		177.95		3102.69		-0.53		-1.17	
65		9476		90.10		177.10		6522.59		3195.34		-3194.59		115.51		0.11		-2.49		-92.64		177.93		3196.68		-0.11		0.00	
66		9568		85.90		176.90		6525.80		3287.17		-3286.39		120.32		4.57		-5.70		-96.80		177.90		3288.59		-4.57		-0.22	
67		9599		86.30		177.10		6527.91		3318.06		-3317.28		121.93		1.44		-7.81		-98.19		177.89		3319.52		1.29		0.65	
68		9630		87.30		176.90		6529.64		3348.98		-3348.18		123.55		3.29		-9.54		-99.59		177.89		3350.46		3.23		-0.65	
69		9661		89.50		176.60		6530.50		3379.93		-3379.12		125.31		7.16		-10.40		-101.13		177.88		3381.44		7.10		-0.97	
70		9723		90.10		176.40		6530.72		3441.84		-3441.00		129.10		1.02		-10.62		-104.47		177.85		3443.42		0.97		-0.32	
71		9754		90.10		176.20		6530.67		3472.79		-3471.94		131.10		0.65		-10.57		-106.25		177.84		3474.41		0.00		-0.65	
72		9846		90.10		178.90		6530.51		3564.72		-3563.85		135.03		2.93		-10.41		-109.52		177.83		3566.40		0.00		2.93	
73		9949		89.30		178.20		6531.04		3667.70		-3666.81		137.64		1.03		-10.94		-111.39		177.85		3669.39		-0.78		-0.68	
74		10032		91.40		179.00		6530.54		3750.68		-3749.78		139.66		2.71		-10.44		-112.83		177.87		3752.38		2.53		0.96	
75		10127		92.30		179.90		6527.47		3845.63		-3844.72		140.57		1.34		-7.37		-113.06		177.91		3847.29		0.95		0.95	
76		10219		90.20		180.60		6525.46		3937.60		-3936.69		140.17		2.41		-5.36		-112.00		177.96		3939.19		-2.28		0.76	
77		10312		91.30		180.60		6524.25		4030.57		-4029.68		139.20		1.18		-4.15		-110.36		178.02		4032.08		1.18		0.00	

			SURVEY CALCULATION PROGRAM										TARGET DETAILS										
OPERATOR:			Marbob Energy Corp					Supervisors:			v1.00.02		TARGET N-S Directional TARGET E-W TARGET RADIUS TARGET DISPLACEMENT TARGET CLOSURE TARGET TVD Horizontal 6520.10 DIP AZ 179.59 DIP DEG UP+/-DN- 0.00 TARGET INCLINATION 90.00										
WELL:			Myox 30 Fee #10H					Joe Beal															
LOCATION:			Eddy Co. NM.					Roman Duran															
JOB NUMBER:			V/T-10410					0.0															
COMMENTS:																							
								MAG DEC./(-/+)		7.83													
								GRID CORR./(-/+)															
								TOTAL CORR./(-/+)		7.83													
DATE: 09/11/10			TIME: 8:23 PM																				
MINIMUM CURVATURE CALCULATIONS(SPE-3362)										PROPOSED DIRECTION		179.59		TARGET TRACKING TO CENTER		CLOSURE DIR (DEG AZ)		CLOSURE DISTANCE (FEET)		BUILD RATE/ %100'		WALK RATE/ %100'	
SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)													
78	10342	91.70	181.00	6523.46	4060.56	-4059.67	138.78	1.89	-3.36	-109.73	178.04		4062.04		1.33		1.33						
79	10435	90.50	182.50	6521.68	4153.47	-4152.60	135.94	2.07	-1.58	-106.22	178.13		4154.83		-1.29		1.61						
80	10528	90.30	182.20	6521.03	4246.36	-4245.52	132.13	0.39	-0.93	-101.74	178.22		4247.58		-0.22		-0.32						
81	10620	88.00	181.70	6522.39	4338.26	-4337.45	129.00	2.56	-2.29	-97.96	178.30		4339.37		-2.50		-0.54						
82	10713	87.00	181.70	6526.45	4431.11	-4430.32	126.24	1.08	-6.35	-94.54	178.37		4432.12		-1.08		0.00						
83	10807	86.60	179.90	6531.70	4524.94	-4524.16	124.93	1.96	-11.60	-92.55	178.42		4525.89		-0.43		-1.91						
84	10893	89.50	181.50	6534.62	4610.86	-4610.09	123.88	3.85	-14.52	-90.89	178.46		4611.76		3.37		1.86						
Proj Bit	10943	89.50	181.50	6535.06	4660.83	-4660.07	122.57	0.00	-14.96	-89.22	178.49		4661.69		0.00		0.00						

Surf: 330' FWL, 660' FWL
EOL: 290' FSL, 783' FWL