

Preliminary Horizontal Planning Worksheet

Fill in the Blue Boxes

Yellow Boxes are Calculated

2/15/2013

Well Name:		Layla 35 NC Fee Com 1H	
Surface Location:		150 FSL & 1800 FWL	
State/ County		NM/Eddy	
S-T-R or Section-Block-Survey (Texas)		Section 35/ 23S/ 28E	
Target Formation:		Basal Brushy Lt Blue Sd	
Elevation of SL			
Ground Level:		2930	
Height of KB:		20	
KB Elevation:		2950	
Landing Point			
Footing Calls		725 FSL & 1800 FWL Sec 35/23S/28E	
Subsea Depth		-3230	
TVD =		6180	
PBHL			
Footing Calls		330 FNL & 1800 FWL Sec 35/23S/28E	
Subsea Depth		-3220	
TVD =		6170	
Lateral Length:		4237.79	
Estimated KOP:		5607.04	
Est. Total Depth:		10746.18	

PBHL Offsets =	4812.05	NS
	21.33	EW

Oil Conservation Division
Case No. _____
Exhibit No. 12

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Layla 35 NC Fee Com 1H
KOP 5607.04

SL: 150 FNL & 1400 FWL Sec 6-20S-29E
BHL: 330 FSL & 1400 FWL Sec 6-20S-29E

Target KBTVD: 6,180 Feet 6180.00
Target Angle: 90.14 Degrees 90.14
Section Plane: 0.25 Degrees
Declination Corrected to True North: 6.63 Degrees
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N-S (Feet)	+E-W (Feet)	Closure Distance	Closure Direction	BUR	DI.S	KBTVD	+Above -Below Target	DRIFT RADIANS	AZIMUTH (RADIAN)
T/I	5607.04	0.00	0.25	N/A	5607.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	5607.0	573.0	1E-12	0.00 #VALUE!
1	5687.18	9.01	0.25	90.135	5696.8	7.1	7.1	0.0	7.1	0.3	10.0	10.0	5696.8	483.2	0.157316	0.00 0.1573155
2	5787.31	18.03	0.25	90.135	5784.4	28.1	28.1	0.1	28.1	0.3	10.0	10.0	5784.4	395.6	0.314631	0.00 0.1573155
3	5877.45	27.04	0.25	90.135	5867.5	62.6	62.6	0.3	62.6	0.3	10.0	10.0	5867.7	312.3	0.471947	0.00 0.1573155
4	5967.58	36.05	0.25	90.135	5944.3	109.7	109.7	0.5	109.7	0.3	10.0	10.0	5944.5	235.5	0.629262	0.00 0.1573155
5	6057.72	45.07	0.25	90.135	6012.7	168.3	168.3	0.7	168.3	0.3	10.0	10.0	6013.1	166.9	0.786578	0.00 0.1573155
6	6147.85	54.08	0.25	90.135	6071.1	236.8	236.8	1.0	236.8	0.3	10.0	10.0	6071.6	108.4	0.943893	0.00 0.1573155
7	6237.98	63.09	0.25	90.135	6118.0	313.7	313.7	1.4	313.7	0.3	10.0	10.0	6118.7	61.3	1.101209	0.00 0.1573155
8	6328.12	72.11	0.25	90.135	6152.3	396.9	396.9	1.8	396.9	0.3	10.0	10.0	6153.2	26.8	1.258524	0.00 0.1573155
9	6418.26	81.12	0.25	90.135	6173.1	484.5	484.5	2.1	484.5	0.3	10.0	10.0	6174.3	5.7	1.41584	0.00 0.1573155
10	6508.39	90.14	0.25	90.135	6180.0	574.3	574.3	2.5	574.3	0.3	10.0	10.0	6181.4	-1.4	1.573155	0.00 0.1573155
11	6600.00	90.14	0.25	91.606	6179.8	665.9	665.9	3.0	665.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
12	6700.00	90.14	0.25	100	6179.5	765.9	765.9	3.4	765.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
13	6800.00	90.14	0.25	100	6179.3	865.9	865.9	3.8	865.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
14	6900.00	90.14	0.25	100	6179.1	965.9	965.9	4.3	965.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
15	7000.00	90.14	0.25	100	6178.8	1065.9	1065.9	4.7	1065.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
16	7100.00	90.14	0.25	100	6178.6	1165.9	1165.9	5.2	1165.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
17	7200.00	90.14	0.25	100	6178.4	1265.9	1265.9	5.6	1265.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
18	7300.00	90.14	0.25	100	6178.1	1365.9	1365.9	6.1	1365.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
19	7400.00	90.14	0.25	100	6177.9	1465.9	1465.9	6.5	1465.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
20	7500.00	90.14	0.25	100	6177.7	1565.9	1565.9	6.9	1565.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
21	7600.00	90.14	0.25	100	6177.4	1665.9	1665.9	7.4	1665.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
22	7700.00	90.14	0.25	100	6177.2	1765.9	1765.9	7.8	1765.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
23	7800.00	90.14	0.25	100	6177.0	1865.9	1865.9	8.3	1865.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
24	7900.00	90.14	0.25	100	6176.7	1965.9	1965.9	8.7	1965.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
25	8000.00	90.14	0.25	100	6176.5	2065.9	2065.9	9.2	2065.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
26	8100.00	90.14	0.25	100	6176.2	2165.9	2165.9	9.6	2165.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
27	8200.00	90.14	0.25	100	6176.0	2265.9	2265.9	10.0	2265.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
28	8300.00	90.14	0.25	100	6175.8	2365.9	2365.9	10.5	2365.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
29	8400.00	90.14	0.25	100	6175.5	2465.9	2465.9	10.9	2465.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
30	8500.00	90.14	0.25	100	6175.3	2565.9	2565.9	11.4	2565.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
31	8600.00	90.14	0.25	100	6175.1	2665.9	2665.9	11.8	2665.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
32	8700.00	90.14	0.25	100	6174.8	2765.9	2765.9	12.3	2765.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
33	8800.00	90.14	0.25	100	6174.6	2865.9	2865.9	12.7	2865.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
34	8900.00	90.14	0.25	100	6174.4	2965.9	2965.9	13.1	2965.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
35	9000.00	90.14	0.25	100	6174.1	3065.9	3065.9	13.6	3065.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
36	9100.00	90.14	0.25	100	6173.9	3165.9	3165.9	14.0	3165.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
37	9200.00	90.14	0.25	100	6173.6	3265.9	3265.9	14.5	3265.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
38	9300.00	90.14	0.25	100	6173.4	3365.9	3365.9	14.9	3365.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
39	9400.00	90.14	0.25	100	6173.2	3465.9	3465.9	15.4	3465.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
40	9500.00	90.14	0.25	100	6172.9	3565.9	3565.9	15.8	3565.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
41	9600.00	90.14	0.25	100	6172.7	3665.9	3665.9	16.2	3665.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
42	9700.00	90.14	0.25	100	6172.5	3765.9	3765.9	16.7	3765.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
43	9800.00	90.14	0.25	100	6172.2	3865.9	3865.9	17.1	3865.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
44	9900.00	90.14	0.25	100	6172.0	3965.9	3965.9	17.6	3965.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
45	10000.00	90.14	0.25	100	6171.8	4065.9	4065.9	18.0	4065.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
46	10100.00	90.14	0.25	100	6171.5	4165.9	4165.9	18.5	4165.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
47	10200.00	90.14	0.25	100	6171.3	4265.9	4265.9	18.9	4265.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
48	10300.00	90.14	0.25	100	6171.1	4365.9	4365.9	19.4	4365.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
49	10400.00	90.14	0.25	100	6170.8	4465.9	4465.9	19.8	4465.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
50	10500.00	90.14	0.25	100	6170.6	4565.9	4565.9	20.2	4565.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
51	10600.00	90.14	0.25	100	6170.3	4665.9	4665.9	20.7	4665.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
52	10700.00	90.14	0.25	100	6170.1	4765.9	4765.9	21.1	4765.9	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
53	10748.18	90.14	0.25	46.182	6170.0	4812.1	4812.0	21.3	4812.1	0.3	0.0	0.0	6181.4	-1.4	1.573155	0.00 1E-10
54	10748.18	90.14	0.25	0	6170.0	4812.1	4812.0	21.3	4812.1	0.3	#####	#####	6181.4	-1.4	1.573155	0.00 1E-10
55				#####	#VALUE!	#####	#####	#####	#####	#####	#####	#####	#VALUE!	#####	#####	#VALUE!
56	#VALUE!	#VALUE!	#VALUE!	#####	#VALUE!	#####	#####	#####	#####	#####	#####	#####	#VALUE!	#####	#####	#VALUE!