Preliminary Horizontal Planning Worksheet

Fill in the Blue Boxes Yellow Boxes are Calculated

4/28/2014

Well Name:		*Layla 35 B2MD Fee 3H*
Surface Location:		135 FSL & 470 FWL
State/ County		NM/Eddy
S-T-R or Section-Block-Survey (Texas)		Section 35/ 23S/ 28E
Target Formation:		*2nd BSPG Sand*
Elevation of SL		
Ground Level:		3019
Height of KB:		20
KB Elevation:		3039
Landing Point		
Footing Calls		612 FSL & 490 FWL Sec 35/23S/28E
Subsea Depth		-5240
TVD =		8279
PBHL		
Footing Calls		330 FNL & 660 FWL Sec 35/23S/28E
Subsea Depth		-5260
TVD =		8299
Lateral Length:		4367.22
Estimated KOP:		7801.54
Est. Total Depth:		12916.57

PBHL Offsets =	4837.88	NS
	211.44	EW

Oil Conservation Division
Case No. 12
Exhibit No. 13

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Layla 35 B2MD Fee 3H
KOP 7801.54
SL: 150 FNL & 1400 FWL Sec 6-20S-29E
BHL: 330 FSL & 1400 FWL Sec 6-20S-29E

Target KBTVD: 8,279 Feet 8279.00
Target Angle: 89.74 Degrees 89.74
Section Plane: 2.50 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	DLS	KBTVD	+Above -Below Target	DRIFT RADIAN:	AZIMUTH (RADIANS)	
T/I	7801.54	0.00	2.50	N/A	7801.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7801.5	477.5	1E-12	0.04	#VALUE!
1	7876.32	8.97	2.50	74.781	7876.0	5.8	5.8	0.3	5.8	2.5	12.0	12.0	7876.0	403.0	0.156621	0.04	0.1566214
2	7951.10	17.95	2.50	74.781	7948.7	23.2	23.2	1.0	23.2	2.5	12.0	12.0	7948.6	330.4	0.313243	0.04	0.1566214
3	8025.88	26.92	2.50	74.781	8017.7	51.7	51.7	2.3	51.7	2.5	12.0	12.0	8017.5	261.5	0.469864	0.04	0.1566214
4	8100.66	35.89	2.50	74.781	8081.5	90.7	90.6	4.0	90.7	2.5	12.0	12.0	8081.1	197.9	0.626486	0.04	0.1566214
5	8175.44	44.87	2.50	74.781	8138.4	139.1	138.9	6.1	139.1	2.5	12.0	12.0	8137.7	141.3	0.783107	0.04	0.1566214
6	8250.22	53.84	2.50	74.781	8187.0	195.8	195.6	8.5	195.8	2.5	12.0	12.0	8186.1	92.9	0.939729	0.04	0.1566214
7	8325.00	62.82	2.50	74.781	8226.3	259.3	259.1	11.3	259.3	2.5	12.0	12.0	8225.1	53.9	1.09635	0.04	0.1566214
8	8399.79	71.79	2.50	74.781	8255.1	328.3	327.9	14.3	328.3	2.5	12.0	12.0	8253.6	25.4	1.252972	0.04	0.1566214
9	8474.57	80.76	2.50	74.781	8272.8	400.8	400.4	17.5	400.8	2.5	12.0	12.0	8271.0	8.0	1.409593	0.04	0.1566214
10	8549.35	89.74	2.50	74.781	8279.0	475.3	474.8	20.8	475.3	2.5	12.0	12.0	8276.8	2.2	1.566214	0.04	0.1566214
11	8600.00	89.74	2.50	50.652	8279.2	525.9	525.4	23.0	525.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
12	8700.00	89.74	2.50	100	8279.7	625.9	625.3	27.3	625.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
13	8800.00	89.74	2.50	100	8280.1	725.9	725.2	31.7	725.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
14	8900.00	89.74	2.50	100	8280.6	825.9	825.1	36.1	825.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
15	9000.00	89.74	2.50	100	8281.1	925.9	925.0	40.4	925.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
16	9100.00	89.74	2.50	100	8281.5	1025.9	1024.9	44.8	1025.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
17	9200.00	89.74	2.50	100	8282.0	1125.9	1124.8	49.2	1125.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
18	9300.00	89.74	2.50	100	8282.4	1225.9	1224.8	53.5	1225.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
19	9400.00	89.74	2.50	100	8282.9	1325.9	1324.7	57.9	1325.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
20	9500.00	89.74	2.50	100	8283.4	1425.9	1424.6	62.3	1425.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
21	9600.00	89.74	2.50	100	8283.8	1525.9	1524.5	66.6	1525.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
22	9700.00	89.74	2.50	100	8284.3	1625.9	1624.4	71.0	1625.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
23	9800.00	89.74	2.50	100	8284.7	1725.9	1724.3	75.4	1725.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
24	9900.00	89.74	2.50	100	8285.2	1825.9	1824.2	79.7	1825.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
25	10000.00	89.74	2.50	100	8285.6	1925.9	1924.1	84.1	1925.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
26	10100.00	89.74	2.50	100	8286.1	2025.9	2024.0	88.5	2025.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
27	10200.00	89.74	2.50	100	8286.6	2125.9	2123.9	92.8	2125.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
28	10300.00	89.74	2.50	100	8287.0	2225.9	2223.8	97.2	2225.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
29	10400.00	89.74	2.50	100	8287.5	2325.9	2323.7	101.6	2325.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
30	10500.00	89.74	2.50	100	8287.9	2425.9	2423.6	105.9	2425.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
31	10600.00	89.74	2.50	100	8288.4	2525.9	2523.5	110.3	2525.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
32	10700.00	89.74	2.50	100	8288.8	2625.9	2623.4	114.7	2625.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
33	10800.00	89.74	2.50	100	8289.3	2725.9	2723.3	119.0	2725.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
34	10900.00	89.74	2.50	100	8289.8	2825.9	2823.2	123.4	2825.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
35	11000.00	89.74	2.50	100	8290.2	2925.9	2923.1	127.8	2925.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
36	11100.00	89.74	2.50	100	8290.7	3025.9	3023.0	132.1	3025.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
37	11200.00	89.74	2.50	100	8291.1	3125.9	3122.9	136.5	3125.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
38	11300.00	89.74	2.50	100	8291.6	3225.9	3222.8	140.9	3225.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
39	11400.00	89.74	2.50	100	8292.1	3325.9	3322.7	145.2	3325.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
40	11500.00	89.74	2.50	100	8292.5	3425.9	3422.6	149.6	3425.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
41	11600.00	89.74	2.50	100	8293.0	3525.9	3522.5	154.0	3525.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
42	11700.00	89.74	2.50	100	8293.4	3625.9	3622.4	158.3	3625.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
43	11800.00	89.74	2.50	100	8293.9	3725.9	3722.3	162.7	3725.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
44	11900.00	89.74	2.50	100	8294.3	3825.9	3822.2	167.1	3825.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
45	12000.00	89.74	2.50	100	8294.8	3925.9	3922.1	171.4	3925.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
46	12100.00	89.74	2.50	100	8295.3	4025.9	4022.1	175.8	4025.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
47	12200.00	89.74	2.50	100	8295.7	4125.9	4122.0	180.2	4125.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
48	12300.00	89.74	2.50	100	8296.2	4225.9	4221.9	184.5	4225.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
49	12400.00	89.74	2.50	100	8296.6	4325.9	4321.8	188.9	4325.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
50	12500.00	89.74	2.50	100	8297.1	4425.9	4421.7	193.2	4425.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
51	12600.00	89.74	2.50	100	8297.6	4525.9	4521.6	197.6	4525.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
52	12700.00	89.74	2.50	100	8298.0	4625.9	4621.5	202.0	4625.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
53	12800.00	89.74	2.50	100	8298.5	4725.9	4721.4	206.3	4725.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
54	12900.00	89.74	2.50	100	8298.9	4825.9	4821.3	210.7	4825.9	2.5	0.0	0.0	8276.8	2.2	1.566214	0.04	1E-10
55				######	#VALUE!	######	######	######	######	######	######	######	#VALUE!	######	######	######	#VALUE!
56	#VALUE!	#VALUE!	#VALUE!	######	#VALUE!	######	######	######	######	######	######	######	#VALUE!	######	######	######	#VALUE!