

26-Jan-87
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Marathon Oil Company
Benson # 1
Unit P, Sec. 14, T 16S, R28E, Lea County, N.M.

JBENSON

METHOD OF CALCULATION RADIUS OF CURVATURE
PLANE OF PROJECTION S 0.00E
NUMBER OF SURVEY RECORDS 77
WELLHEAD LOCATION Y(N/S) = 0.000
X(E/W) = 0.000
PLATFORM NAME = UNKNOWN

RECORD	MD	ANGLE	AZIMUTH	N/S	E/W	TVD	VS	DOGLEG
1	0	0.00	N90.00E	0.0N	0.0E	0.0	0.0	0.000
2	5017	0.00	N90.00E	0.0N	0.0E	5017.0	0.0	0.000
3	5063	0.25	S42.00E	0.0S	0.1E	5063.0	0.0	0.587
4	5157	0.25	S30.00E	0.4S	0.3E	5157.0	0.4	0.056
5	5250	0.25	S33.00E	0.7S	0.5E	5250.0	0.7	0.014
6	5344	0.00	S35.00E	0.9S	0.7E	5344.0	0.9	0.266
7	5437	0.25	S38.00W	1.1S	0.6E	5437.0	1.1	0.313
8	5531	0.25	S29.00W	1.4S	0.4E	5531.0	1.4	0.042
9	5624	0.25	S60.00W	1.7S	0.1E	5624.0	1.7	0.144
10	5718	0.25	N86.00W	1.8S	0.3W	5718.0	1.8	0.156
11	5811	0.50	S84.00W	1.8S	0.9W	5811.0	1.8	0.278
12	5905	0.50	S90.00W	1.8S	1.7W	5905.0	1.8	0.056
13	5998	0.50	N54.00W	1.6S	2.4W	5998.0	1.6	0.332
14	6092	0.50	N46.00W	1.1S	3.1W	6092.0	1.1	0.074
15	6185	0.50	N60.00W	0.6S	3.7W	6185.0	0.6	0.131
16	6279	0.75	N61.00W	0.1S	4.6W	6279.0	0.1	0.266
17	6372	0.75	N88.00W	0.2N	5.8W	6372.0	-0.2	0.377
18	6466	1.00	N77.00W	0.4N	7.2W	6466.0	-0.4	0.320
19	6559	1.00	N68.00W	0.9N	8.7W	6559.9	-0.9	0.169
20	6653	1.00	N55.00W	1.7N	10.2W	6652.9	-1.7	0.241
21	6746	1.00	N52.00W	2.7N	11.5W	6745.9	-2.7	0.056
22	6840	1.00	N50.00W	3.7N	12.8W	6839.9	-3.7	0.037
23	6933	0.75	N59.00W	4.5N	13.9W	6932.9	-4.5	0.307
24	7027	0.75	N59.00W	5.2N	15.0W	7026.9	-5.2	0.000
25	7120	1.00	N79.00W	5.7N	16.3W	7119.9	-5.7	0.423
26	7214	0.75	N73.00W	6.0N	17.7W	7213.9	-6.0	0.283
27	7307	1.00	N57.00W	6.6N	19.0W	7306.8	-6.6	0.375
28	7401	1.00	S90.00W	7.1N	20.5W	7400.8	-7.1	0.604
29	7494	1.00	N43.00W	7.7N	22.0W	7493.8	-7.7	0.857
30	7588	1.00	N41.00W	8.9N	23.1W	7587.8	-8.9	0.037
31	7681	1.00	N42.00W	10.1N	24.1W	7680.8	-10.1	0.019
32	7775	1.00	N53.00W	11.2N	25.3W	7774.8	-11.2	0.204
33	7868	1.25	N65.00W	12.2N	26.9W	7867.8	-12.2	0.369
34	7962	1.50	N57.00W	13.3N	28.9W	7961.7	-13.3	0.335
35	8055	1.50	N48.00W	14.8N	30.8W	8054.7	-14.8	0.253
36	8149	1.50	N52.00W	16.3N	32.7W	8148.7	-16.3	0.111
37	8242	1.75	N56.00W	17.9N	34.8W	8241.6	-17.9	0.295
38	8336	1.75	N49.00W	19.6N	37.1W	8335.6	-19.6	0.227
39	8429	1.75	N43.00W	21.6N	39.1W	8428.5	-21.6	0.197
40	8523	1.75	N32.00W	23.9N	40.9W	8522.5	-23.9	0.357
41	8616	2.00	N34.00W	26.4N	42.5W	8615.4	-26.4	0.278
42	8710	2.00	N43.00W	29.0N	44.6W	8709.4	-29.0	0.334
43	8803	2.00	N34.00W	31.5N	46.6W	8802.3	-31.5	0.337
44	8897	1.75	N49.00W	33.8N	48.6W	8896.3	-33.8	0.585
45	8990	2.25	N14.00W	36.5N	50.3W	8989.2	-36.5	1.400

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