

Motley 6/7 W2AH Fee Com 2H

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (BCF)	Cum Water (Mbw)	NS/EW	WFMP Zone
Rustler Breaks 12-2 1H	Matador	3001541775	12PM/24S/27E	3/4/2014	131	1.1	465	EW	WFMP C Shale
El Presidente State 3H	Marathon	3001542769	2PA/24S/27E	7/13/2015	71	0.6	348	NS	WFMP C Shale
Loving West 12 W2EH	Mewbourne	3001542852	12EH/24S/27E	5/21/2017	40	0.2	187	EW	WFMP C Shale
Chaka State 3H	COG	300154289401	26NC/23S/27E	7/5/2015	58	0.6	404	NS	WFMP C Shale
Boston 7 W2MP Fee 1H	Mewbourne	3001543155	7MP/24S/28E	5/30/2017	26	0.1	136	EW	WFMP C Shale
Rustler Breaks 12-2 204H	Matador	3001543194	12PM/24S/27E	3/27/2017	82	0.1	347	EW	WFMP Sand
B Banker 33-23S-28E 221H	Matador	3001543306	33AD/23S/28E	6/14/2016	51	0.6	281	EW	WFMP C Shale
Jimmy Kone 05-24S-28E 208H	Matador	3001543389	5PM/24S/28E	5/17/2016	47	0.1	134	EW	WFMP Sand
Chopper State 3H	COG	3001543418	1CN/24S/27E	7/10/2016	122	0.3	442	NS	WFMP Sand
Jimmy Kone 05-24S-28E 203H	Matador	3001543475	5IL/24S/28E	8/19/2016	98	0.1	322	EW	WFMP Sand
Jimmy Kone 05-24S-28E 223H	Matador	3001543477	5IL/24S/28E	3/3/2017	44	0.6	221	EW	WFMP D Shale
Foreigner 33-4 W2LM Fee 1H	Mewbourne	3001543494	33LM/23S/28E	8/14/2016	100	0.8	379	NS	WFMP D Shale
Foreigner 33-4 W2JO Fee Com 1H	Mewbourne	300154349901	33JO/23S/28E	8/25/2016	49	0.6	190	NS	WFMP D Shale
Jimmy Kone 05-24S-28E 228H	Matador	3001543542	5PM/24S/28E	3/20/2016	19	0.3	117	EW	WFMP D Shale
Charlie Sweeney 31-23S-28E RB 201H	Matador	3001543695	30M/23S/28E	7/27/2016	160	0.5	642	EW	WFMP Sand
Brantley State Com 13-24S-27E 221H	Matador	3001543774	13AD/24S/27E	3/20/2017	35	0.7	169	EW	WFMP D Shale
B Banker 33-23S-28E 226H	Matador	3001543817	33HE/23S/28E	9/6/2016	91	0.1	330	EW	WFMP Sand
Jim Tom Lontos 30-23S-28E RB 221H	Matador	3001543826	30MD/23S/28E	2/8/2017	32	0.4	202	NS	WFMP D Shale
Warren 25-23S-27E RB 203H	Matador	3001543827	25OB/23S/27E	5/7/2017	29	0.06	184	NS	WFMP Sand
Warren 25-23S-27E RB 206H	Matador	3001543828	25OB/23S/27E	5/27/2017	40	0.08	248	NS	WFMP Sand
B Banker 33-23S-28E 206H	Matador	3001543842	33HE/23S/28E	7/17/2017	13	0.1	95	EW	WFMP Sand
Switchback State 21H	COG	3001543967	11MP/24S/27E	3/30/2017	75	0.1	274	EW	WFMP Sand
B Banker 33-23S28E 201H	Matador	3001544138	33AD/23S/28E	7/26/2017	12	0.02	96	EW	WFMP Sand

A
N

30015235140000
AMOCO PROD CO
STATE JR COM 1
Datum=3138.00
1960 FNL 660 FWL
TWP: 23 S - Range: 28 E - Sec. 32

7313 ft

30015238180000
MARBOB ENERGY CORP
EDELSON WAND WAVE F 1
Datum=3118.00
1950 FNL 660 FWL
TWP: 24 S - Range: 28 E - Sec. 6

9400 ft

30015221840000
HNG OIL COMPANY
VALDEZ JV COM 1
Datum=3063.00
2310 FNL 660 FWL
TWP: 16 S - Range: 29 E - Sec. 35

5198 ft

30015220660000
HNG OIL COMPANY
OGDEN-8 COM 1
Datum=3023.00
2200 FNL 645 FWL
TWP: 24 S - Range: 28 E - Sec. 8

A'
S

32E

6E

5H

8H

1000 WFMP

WFMP SDs

WFMP A

WFMP B

500

WFMP C

0 WFMP D

1000

500

0

Motley 6/7 W2AH Fee Com 2H

TD=3060.00

TD=12820.00
Cum Gas All Zones: 192506 MCF
Cum Water All Zones: 20773 bbls

TD=13030.00

TD=12920.00
Cum Oil All Zones: 656 bbls
Cum Gas All Zones: 620463 MCF
Cum Water All Zones: 517 bbls

Motley 6/7 W2AH Fee Com 2H
Cross Section Exhibit (A-A')

Preliminary Horizontal Planning Worksheet

Fill in the Blue Boxes

Yellow Boxes are Calculated

10/18/2017

Well Name:	Motley 6/7 W2AH Fee Com 2H		
Surface Location:	305 FNL & 970 FEL		
State/ County	NM/Eddy		
S-T-R or Section-Block-Survey (Texas)	Section 6/ 24S/ 28E		
Field:	Purple Sage - Wolfcamp Gas Pool (98220)		
Spacing:	480 Acres		
Setbacks:	330 feet		
Target Formation:	WFMP D SH		
Elevation of SL			
Ground Level:	3102		
Height of KB:	27		
KB Elevation:	3129		
Landing Point			
Footing Calls	877 FNL & 330 FEL Sec 6/24S/28E		
Subsea Depth	-7244		
TVD =	10373		
PBHL			
Footing Calls	2310 FNL & 330 FEL Sec 7/24S/28E		
Subsea Depth	-7214		
TVD =	10343		
Lateral Length:	6772.07		
Estimated KOP:	9800.04		
Est. Total Depth:	17474.65		

PBHL Offsets =	-7318.65	NS
	651.25	EW

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company

Lease Name: Motley 6/7 W2AH Fee Com 2H

KOP 9800.04

SL: 305 FNL & 970 FEL Sec 6-24S-28E

BHL: 2310 FNL & 330 FEL Sec 7-24S-28E

Target KBTVD: 10,373 Feet 10373.00

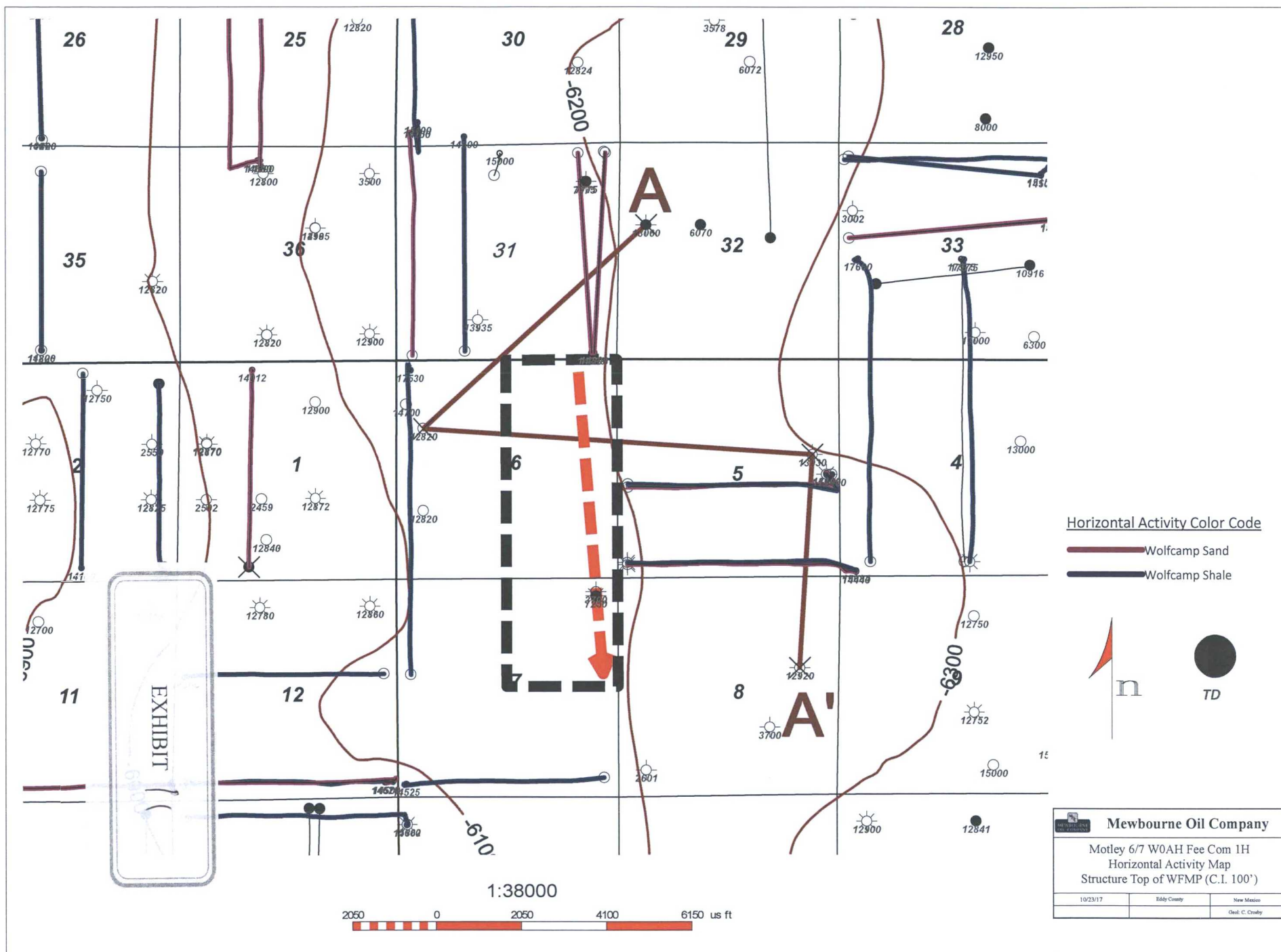
Target Angle: 90.25 Degrees 90.25

Section Plane: 174.91 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)	Chsre Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT RADIANS	AZIMUTH (RADIANS)	#VALUE!
1	9800.04	0.00	174.91	N/A	9800.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9800.0	573.0	1E-12	3.05	
2	9800.30	0.03	174.91	90.25372117	9889.9	7.1	-7.1	0.6	7.1	174.9	10.0	10.0	9890.0	483.0	0.15752	3.05	0.157522
3	9800.58	18.05	174.91	90.25372117	9977.6	28.2	-28.1	2.5	28.2	174.9	10.0	10.0	9977.7	395.3	0.31504	3.05	0.157522
4	10070.80	27.08	174.91	90.25372117	10060.8	62.8	-62.5	5.6	62.8	174.9	10.0	10.0	10061.1	311.9	0.47257	3.05	0.157522
5	10181.08	38.10	174.91	90.25372117	10137.6	110.0	-109.6	9.8	110.0	174.9	10.0	10.0	10138.1	234.9	0.63009	3.05	0.157522
6	10251.31	45.13	174.91	90.25372117	10206.1	168.7	-168.0	15.0	168.7	174.9	10.0	10.0	10206.8	166.2	0.78761	3.05	0.157522
7	10341.58	54.15	174.91	90.25372117	10264.5	237.4	-236.5	21.0	237.4	174.9	10.0	10.0	10265.5	107.5	0.94513	3.05	0.157522
8	10431.82	63.18	174.91	90.25372117	10311.4	314.4	-313.2	27.9	314.4	174.9	10.0	10.0	10312.7	60.3	1.10266	3.05	0.157522
9	10522.07	72.20	174.91	90.25372117	10345.6	397.8	-396.3	35.3	397.8	174.9	10.0	10.0	10347.3	25.7	1.26018	3.05	0.157522
10	10612.33	81.23	174.91	90.25372117	10366.3	485.6	-483.7	43.0	485.6	174.9	10.0	10.0	10368.4	4.6	1.4177	3.05	0.157522
11	10702.58	90.25	174.91	90.25372117	10373.0	575.5	-573.2	51.0	575.5	174.9	10.0	10.0	10375.5	-2.5	1.57522	3.05	0.157522
12	10800.00	90.25	174.91	97.42058348	10372.6	672.9	-670.3	59.6	672.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
13	10900.00	90.25	174.91	100	10372.1	772.9	-769.9	68.5	772.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
14	11000.00	90.25	174.91	100	10371.7	872.9	-869.5	77.4	872.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
15	11100.00	90.25	174.91	100	10371.2	972.9	-969.1	86.2	972.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
16	11200.00	90.25	174.91	100	10370.8	1072.9	-1068.7	95.1	1072.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
17	11300.00	90.25	174.91	100	10370.3	1172.9	-1168.3	104.0	1172.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
18	11400.00	90.25	174.91	100	10369.9	1272.9	-1267.9	112.8	1272.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
19	11500.00	90.25	174.91	100	10369.5	1372.9	-1367.5	121.7	1372.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
20	11600.00	90.25	174.91	100	10369.0	1472.9	-1467.1	130.6	1472.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
21	11700.00	90.25	174.91	100	10368.6	1572.9	-1566.7	139.4	1572.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
22	11800.00	90.25	174.91	100	10368.1	1672.9	-1666.3	148.3	1672.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
23	11900.00	90.25	174.91	100	10367.7	1772.9	-1765.9	157.1	1772.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
24	12000.00	90.25	174.91	100	10367.2	1872.9	-1865.5	166.0	1872.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
25	12100.00	90.25	174.91	100	10366.8	1972.9	-1965.1	174.9	1972.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
26	12200.00	90.25	174.91	100	10366.4	2072.9	-2064.7	183.7	2072.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
27	12300.00	90.25	174.91	100	10365.9	2172.9	-2164.3	192.6	2172.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
28	12400.00	90.25	174.91	100	10365.5	2272.9	-2264.0	201.5	2272.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
29	12500.00	90.25	174.91	100	10365.0	2372.9	-2363.6	210.3	2372.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
30	12600.00	90.25	174.91	100	10364.6	2472.9	-2463.2	219.2	2472.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
31	12700.00	90.25	174.91	100	10364.1	2572.9	-2562.8	228.0	2572.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
32	12800.00	90.25	174.91	100	10363.7	2672.9	-2662.4	236.9	2672.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
33	12900.00	90.25	174.91	100	10363.3	2772.9	-2762.0	245.8	2772.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
34	13000.00	90.25	174.91	100	10362.8	2872.9	-2861.6	254.6	2872.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
35	13100.00	90.25	174.91	100	10362.4	2972.9	-2961.2	263.5	2972.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
36	13200.00	90.25	174.91	100	10361.9	3072.9	-3060.8	272.4	3072.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
37	13300.00	90.25	174.91	100	10361.5	3172.9	-3160.4	281.2	3172.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
38	13400.00	90.25	174.91	100	10361.0	3272.9	-3260.0	290.1	3272.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
39	13500.00	90.25	174.91	100	10360.6	3372.9	-3359.6	299.0	3372.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
40	13600.00	90.25	174.91	100	10360.2	3472.9	-3459.2	307.8	3472.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
41	13700.00	90.25	174.91	100	10359.7	3572.9	-3558.8	316.7	3572.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
42	13800.00	90.25	174.91	100	10359.3	3672.9	-3658.4	325.5	3672.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
43	13900.00	90.25	174.91	100	10358.8	3772.9	-3758.0	334.4	3772.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
44	14000.00	90.25	174.91	100	10358.4	3872.9	-3857.6	343.3	3872.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
45	14100.00	90.25	174.91	100	10357.9	3972.9	-3957.2	352.1	3972.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
46	14200.00	90.25	174.91	100	10357.5	4072.9	-4056.9	361.0	4072.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
47	14300.00	90.25	174.91	100	10357.1	4172.9	-4156.5	369.9	4172.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
48	14400.00	90.25	174.91	100	10356.6	4272.9	-4256.1	378.7	4272.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
49	14500.00	90.25	174.91	100	10356.2	4372.9	-4355.7	387.6	4372.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
50	14600.00	90.25	174.91	100	10355.7	4472.9	-4455.3	396.5	4472.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
51	14700.00	90.25	174.91	100	10355.3	4572.9	-4554.9	405.3	4572.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
52	14800.00	90.25	174.91	100	10354.8	4672.9	-4654.5	414.2	4672.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
53	14900.00	90.25	174.91	100	10354.4	4772.9	-4754.1	423.0	4772.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
54	15000.00	90.25	174.91	100	10354.0	4872.9	-4853.7	431.9	4872.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
55	15100.00	90.25	174.91	100	10353.5	4972.9	-4953.3	440.8	4972.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
56	15200.00	90.25	174.91	100	10353.1	5072.9	-5052.9	449.6	5072.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
57	15300.00	90.25	174.91	100	10352.6	5172.9	-5152.5	458.5	5172.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
58	15400.00	90.25	174.91	100	10352.2	5272.9	-5252.1	467.4	5272.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
59	15500.00	90.25	174.91	100	10351.8	5372.9	-5351.7	476.2	5372.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
60	15600.00	90.25	174.91	100	10351.3	5472.9	-5451.3	485.1	5472.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
61	15700.00	90.25	174.91	100	10350.9	5572.9	-5550.9	493.9	5572.9	174.9	0.0	0.0	10375.5	-2.5	1.57522	3.05	1E-10
62	15800.00	90.25	174.91	100	10350.4	5672.9	-5650.5	502.8	5672.9	174.9	0.0	0.0					



A
N

30015235140000
AMOCO PROD CO
STATE 'JB' COM 1
Datum=3138.00
1960 FNL 660 FNL
TWP: 23 S - Range: 28 E - Sec: 32

7313 ft

30015328180000
MARBOB ENERGY CORP
EDELSON WAND WAVE F 1
Datum=3118.00
1650 FNL 660 FNL
TWP: 24 S - Range: 28 E - Sec: 6

9400 ft

30015221840000
HNG OIL COMPANY
VALDEZ 'S' COM 1
Datum=3063.00
2310 FNL 660 FNL
TWP: 16 S - Range: 29 E - Sec: 35

5198 ft

30015220960000
HNG OIL COMPANY
OGDEN-8 COM 1
Datum=3023.00
2200 FNL 645 FNL
TWP: 24 S - Range: 28 E - Sec: 8

A'
S

32E

6E

5H

8H

WFMP

WFMP SDs

WFMP A

WFMP B

-500

WFMP C

WFMP D

-1000

0

-500

-1000

Motley 6/7 W0AH Fee Com 1H

TD=12620.00
Cum Gas All Zones: 192506 MCF
Cum Water All Zones: 20773 bbls

TD=13030.00

TD=12920.00
Cum Oil All Zones: 555 bbls
Cum Gas All Zones: 620463 MCF
Cum Water All Zones: 517 bbls

Motley 6/7 W0AH Fee Com 1H
Cross Section Exhibit (A-A')

Motley 6/7 W0AH Fee Com 1H

Well Name	Operator	API	Location	WFMP Comp Date	Cum Oil (Mbo)	Cum Gas (BCF)	Cum Water (Mbw)	NS/EW	WFMP Zone
Rustler Breaks 12-2 1H	Matador	3001541775	12PM/24S/27E	3/4/2014	131	1.1	465	EW	WFMP C Shale
El Presidente State 3H	Marathon	3001542769	2PA/24S/27E	7/13/2015	71	0.6	348	NS	WFMP C Shale
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Chaka State 3H	COG	300154289401	26NC/23S/27E	7/5/2015	58	0.6	404	NS	WFMP C Shale
Boston 7 W2MP Fee 1H	Mewbourne	3001543155	7MP/24S/28E	5/30/2017	26	0.1	136	EW	WFMP C Shale
Rustler Breaks 12-2 204H	Matador	3001543194	12PM/24S/27E	3/27/2017	82	0.1	347	EW	WFMP Sand
B Banker 33-23S-28E 221H	Matador	3001543306	33AD/23S/28E	6/14/2016	51	0.6	281	EW	WFMP C Shale
Jimmy Kone 05-24S-28E 208H	Matador	3001543389	5PM/24S/28E	5/17/2016	47	0.1	134	EW	WFMP Sand
Chopper State 3H	COG	3001543418	1CN/24S/27E	7/10/2016	122	0.3	442	NS	WFMP Sand
Jimmy Kone 05-24S-28E 203H	Matador	3001543475	5IL/24S/28E	8/19/2016	98	0.1	322	EW	WFMP Sand
Jimmy Kone 05-24S-28E 223H	Matador	3001543477	5IL/24S/28E	3/3/2017	44	0.6	221	EW	WFMP D Shale
Foreigner 33-4 W2LM Fee 1H	Mewbourne	3001543494	33LM/23S/28E	8/14/2016	100	0.8	379	NS	WFMP D Shale
Foreigner 33-4 W2JO Fee Com 1H	Mewbourne	300154349901	33JO/23S/28E	8/25/2016	49	0.6	190	NS	WFMP D Shale
Jimmy Kone 05-24S-28E 228H	Matador	3001543542	5PM/24S/28E	3/20/2016	19	0.3	117	EW	WFMP D Shale
Charlie Sweeney 31-23S-28E RB 201H	Matador	3001543695	30M/23S/28E	7/27/2016	160	0.5	642	EW	WFMP Sand
Brantley State Com 13-24S-27E 221H	Matador	3001543774	13AD/24S/27E	3/20/2017	35	0.7	169	EW	WFMP D Shale
B Banker 33-23S-28E 226H	Matador	3001543817	33HE/23S/28E	9/6/2016	91	0.1	330	EW	WFMP D Shale
Jim Tom Lontos 30-23S-28E RB 221H	Matador	3001543826	30MD/23S/28E	2/8/2017	32	0.4	202	NS	WFMP D Shale
Warren 25-23S-27E RB 203H	Matador	3001543827	25OB/23S/27E	5/7/2017	29	0.06	184	NS	WFMP Sand
Warren 25-23S-27E RB 206H	Matador	3001543828	25OB/23S/27E	5/27/2017	40	0.08	248	NS	WFMP Sand
B Banker 33-23S-28E 206H	Matador	3001543842	33HE/23S/28E	7/17/2017	13	0.1	95	EW	WFMP Sand
Switchback State 21H	COG	3001543967	11MP/24S/27E	3/30/2017	75	0.1	274	EW	WFMP Sand
B Banker 33-23S28E 201H	Matador	3001544138	33AD/23S/28E	7/26/2017	12	0.02	96	EW	WFMP Sand

Preliminary Horizontal Planning Worksheet

Fill in the Blue Boxes

Yellow Boxes are Calculated

10/18/2017

Well Name:	Motley 6/7 W0AH Fee Com 1H		
Surface Location:	305 FNL & 920 FEL		
State/ County	NM/Eddy		
S-T-R or Section-Block-Survey (Texas)	Section 6/ 24S/ 28E		
Field:	Purple Sage - Wolfcamp Gas Pool (98220)		
Spacing:	480 Acres		
Setbacks:	330 feet		
Target Formation:	WFMP Y SD		
Elevation of SL			
Ground Level:	3101		
Height of KB:	27		
KB Elevation:	3128		
Landing Point			
Footing Calls	782 FNL & 330 FEL Sec 6/24S/28E		
Subsea Depth	-6316		
TVD =	9444		
PBHL			
Footing Calls	2310 FNL & 330 FEL Sec 7/24S/28E		
Subsea Depth	-6296		
TVD =	9424		
Lateral Length:	6864.80		
Estimated KOP:	8966.54		
Est. Total Depth:	16582.73		

PBHL Offsets =	-7319.01	NS
	601.15	EW

Mewbourne Oil Company

SURVEY CALCULATION REPORT

Minimum Curvature Calculations

Operator: Mewbourne Oil Company

Lease Name: Motley 6/7 W0AH Fee Com 1H

KOP: 8966.54

SL: 305 FNL & 920 FEL Sec 6-24S-28E

BHL: 2310 FNL & 330 FEL Sec 7-24S-28E

Target KBTVD:

9,444 Feet

9444.00

Target Angle:

90.17 Degrees

90.17

Section Plane:

175.30 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	+E/-W	Closure	Closure	BUR	DLS	KBTVD	+Above -Below	DRIFT (RADIANS)	AZIMUTH (RADIANS)	VALUE
							(Feet)	(Feet)	Distance	Direction				Target			
T/1	8966.54	0.00	175.30	N/A	8966.5	0.0	0.0	0.0	0.0	N/A	N/A		8966.5	477.5	1E-12	3.06	#VALUE!
1	9041.67	0.02	175.30	75.13907666	9041.4	5.9	-5.9	0.5	5.9	175.3	12.0	12.0	9041.4	402.6	0.157370914	3.06	0.157371
2	9118.81	18.03	175.30	75.13907666	9114.3	23.5	-23.4	1.9	23.5	175.3	12.0	12.0	9114.4	329.6	0.314741828	3.06	0.157371
3	9191.95	27.05	175.30	75.13907666	9183.7	52.2	-52.1	4.3	52.2	175.3	12.0	12.0	9183.8	260.2	0.472112742	3.06	0.157371
4	9287.08	38.07	175.30	75.13907666	9247.6	91.5	-91.2	7.5	91.5	175.3	12.0	12.0	9247.9	196.1	0.629483657	3.06	0.157371
5	9342.23	45.08	175.30	75.13907666	9304.6	140.3	-139.9	11.5	140.3	175.3	12.0	12.0	9305.1	138.9	0.786854571	3.06	0.157371
6	9417.37	54.10	175.30	75.13907666	9353.3	197.5	-196.8	16.2	197.5	175.3	12.0	12.0	9353.9	90.1	0.944225485	3.06	0.157371
7	9492.51	63.12	175.30	75.13907666	9392.4	261.6	-260.7	21.4	261.6	175.3	12.0	12.0	9393.2	50.8	1.101596399	3.06	0.157371
8	9567.65	72.13	175.30	75.13907666	9421.0	331.0	-329.9	27.1	331.0	175.3	12.0	12.0	9421.9	22.1	1.258967313	3.06	0.157371
9	9642.79	81.15	175.30	75.13907666	9438.3	404.0	-402.7	33.1	404.0	175.3	12.0	12.0	9439.5	4.5	1.416338227	3.06	0.157371
10	9717.93	90.17	175.30	75.13907666	9444.0	478.9	-477.2	39.2	478.9	175.3	12.0	12.0	9445.4	-1.4	1.573709141	3.06	0.157371
11	9800.00	90.17	175.30	82.07406271	9443.8	560.9	-559.0	45.9	560.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
12	9800.00	90.17	175.30	100	9443.5	660.9	-658.7	54.1	660.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
13	10000.00	90.17	175.30	100	9443.2	760.9	-758.4	62.3	760.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
14	10100.00	90.17	175.30	100	9442.9	860.9	-858.0	70.5	860.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
15	10200.00	90.17	175.30	100	9442.6	960.9	-957.7	78.7	960.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
16	10300.00	90.17	175.30	100	9442.3	1060.9	-1057.4	86.8	1060.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
17	10400.00	90.17	175.30	100	9442.0	1160.9	-1157.0	95.0	1160.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
18	10500.00	90.17	175.30	100	9441.7	1260.9	-1256.7	103.2	1260.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
19	10600.00	90.17	175.30	100	9441.4	1360.9	-1356.4	111.4	1360.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
20	10700.00	90.17	175.30	100	9441.1	1460.9	-1456.0	119.6	1460.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
21	10800.00	90.17	175.30	100	9440.8	1560.9	-1555.7	127.8	1560.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
22	10900.00	90.17	175.30	100	9440.6	1660.9	-1655.4	136.0	1660.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
23	11000.00	90.17	175.30	100	9440.3	1760.9	-1755.0	144.1	1760.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
24	11100.00	90.17	175.30	100	9440.0	1860.9	-1854.7	152.3	1860.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
25	11200.00	90.17	175.30	100	9439.7	1960.9	-1954.3	160.5	1960.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
26	11300.00	90.17	175.30	100	9439.4	2060.9	-2054.0	168.7	2060.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
27	11400.00	90.17	175.30	100	9439.1	2160.9	-2153.7	176.9	2160.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
28	11500.00	90.17	175.30	100	9438.8	2260.9	-2253.3	185.1	2260.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
29	11600.00	90.17	175.30	100	9438.5	2360.9	-2353.0	193.3	2360.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
30	11700.00	90.17	175.30	100	9438.2	2460.9	-2452.7	201.5	2460.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
31	11800.00	90.17	175.30	100	9437.9	2560.9	-2552.3	209.6	2560.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
32	11900.00	90.17	175.30	100	9437.6	2660.9	-2652.0	217.8	2660.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
33	12000.00	90.17	175.30	100	9437.4	2760.9	-2751.7	226.0	2760.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
34	12100.00	90.17	175.30	100	9437.1	2860.9	-2851.3	234.2	2860.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
35	12200.00	90.17	175.30	100	9436.8	2960.9	-2951.0	242.4	2960.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
36	12300.00	90.17	175.30	100	9436.5	3060.9	-3050.6	250.6	3060.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
37	12400.00	90.17	175.30	100	9436.2	3160.9	-3150.3	258.8	3160.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
38	12500.00	90.17	175.30	100	9435.9	3260.9	-3250.0	266.9	3260.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
39	12600.00	90.17	175.30	100	9435.6	3360.9	-3349.6	275.1	3360.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
40	12700.00	90.17	175.30	100	9435.3	3460.9	-3449.3	283.3	3460.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
41	12800.00	90.17	175.30	100	9435.0	3560.9	-3549.0	291.5	3560.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
42	12900.00	90.17	175.30	100	9434.7	3660.9	-3648.6	299.7	3660.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
43	13000.00	90.17	175.30	100	9434.4	3760.9	-3748.3	307.9	3760.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
44	13100.00	90.17	175.30	100	9434.1	3860.9	-3848.0	316.1	3860.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
45	13200.00	90.17	175.30	100	9433.9	3960.9	-3947.6	324.2	3960.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
46	13300.00	90.17	175.30	100	9433.6	4060.9	-4047.3	332.4	4060.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
47	13400.00	90.17	175.30	100	9433.3	4160.9	-4146.9	340.6	4160.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
48	13500.00	90.17	175.30	100	9433.0	4260.9	-4246.6	348.8	4260.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
49	13600.00	90.17	175.30	100	9432.7	4360.9	-4346.3	357.0	4360.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
50	13700.00	90.17	175.30	100	9432.4	4460.9	-4445.9	365.2	4460.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
51	13800.00	90.17	175.30	100	9432.1	4560.9	-4545.6	373.4	4560.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
52	13900.00	90.17	175.30	100	9431.8	4660.9	-4645.3	381.5	4660.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
53	14000.00	90.17	175.30	100	9431.5	4760.9	-4744.9	389.7	4760.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
54	14100.00	90.17	175.30	100	9431.2	4860.9	-4844.6	397.9	4860.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
55	14200.00	90.17	175.30	100	9430.9	4960.9	-4944.3	406.1	4960.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
56	14300.00	90.17	175.30	100	9430.7	5060.9	-5043.9	414.3	5060.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
57	14400.00	90.17	175.30	100	9430.4	5160.9	-5143.6	422.5	5160.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
58	14500.00	90.17	175.30	100	9430.1	5260.9	-5243.3	430.7	5260.9	175.3	0.0	0.0	9445.4	-1.4	1.573709141	3.06	1E-10
59	14600.00	90.17	175														