

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATIONS OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, EDDY COUNTY,
NEW MEXICO.**

Case Nos. 22235 - 22240

SELF-AFFIRMED STATEMENT OF CHARLES CROSBY

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Charles Crosby deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in these cases. I have not testified before the Division as a petroleum geologist.
3. In these cases Mewbourne seeks to pool, collectively, all of Sections 1 and 2, Township 20 South, Range 28 East, NMPM as to both the Bone Spring and Wolfcamp formations.
4. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map on the base of the Second Bone Spring Sand. It shows that structure dips gently to the east. It also shows Second Bone Spring wells in the area, and a line of cross-section.
 - (b) Attachment B is a Second Bone Spring Sand Gross Thickness Isopach, which is the target zone for some of the proposed wells.
 - (c) Attachment C is a cross section of the Second Bone Spring Sand. The well logs on the cross-section give a representative sample of the Second Bone Spring Sand in this area. The sand is continuous and uniformly thick across the well units Second Bone Spring Sand.
 - (d) Attachment D is a Third Bone Spring Sand Gross Thickness Isopach, which is the target zone for some of the proposed wells.

EXHIBIT 3

(e) Attachment E is a cross section of the Third Bone Spring Sand and Upper Wolfcamp. The well logs on the cross-section give a representative sample of the subject zones in this area. The zones are continuous and uniformly thick across the well units in the Third Bone Spring Sand and the Upper Wolfcamp.

(f) Attachment F contains top of the Wolfcamp structure maps applicable to the Third Bone Spring Sand and Upper Wolfcamp. Structure dips slightly to the east-southeast.

5. I conclude from the maps that:

(a) The horizontal spacing units are justified from a geologic standpoint.

(b) The target zones are continuous and of relatively uniform thickness across the well units.

(c) Each quarter-quarter section in each in the Bone Spring and Wolfcamp well units will contribute more or less equally to production from the target zones.

(d) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

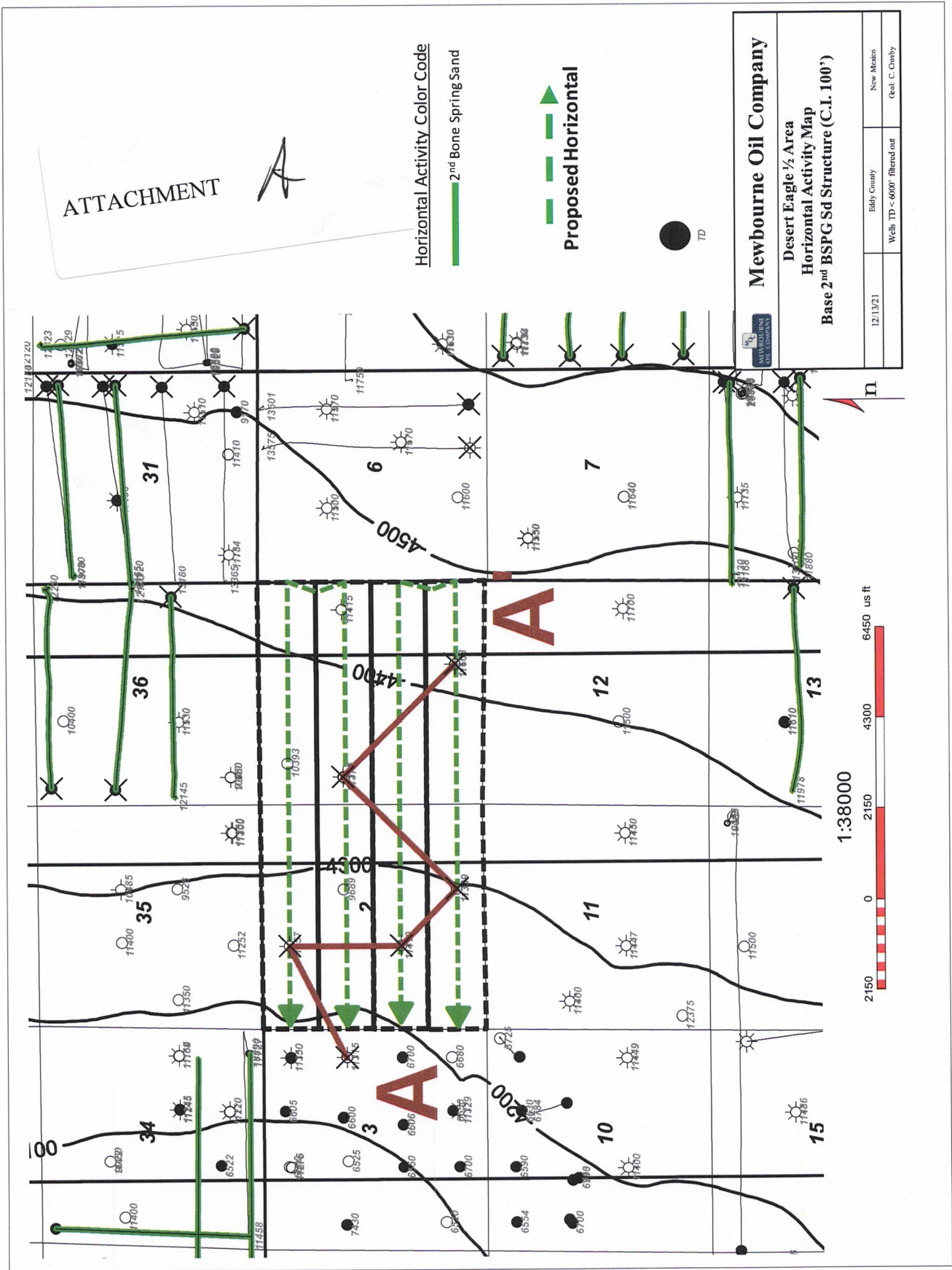
6. Attachment G contains information from Second and Third Bone Spring Sand, and Wolfcamp, wells drilled in this area. Laydown wells are the preferred orientation for wells in this area.

7. Attachment H contains the horizontal drilling plans for the proposed wells. The producing intervals of the wells will be orthodox.

8. I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 7 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: March 15, 2022

Chareles Crsoby
Charles Crosby



ATTACHMENT

B

Horizontal Activity Color Code

2nd Bone Spring Sand

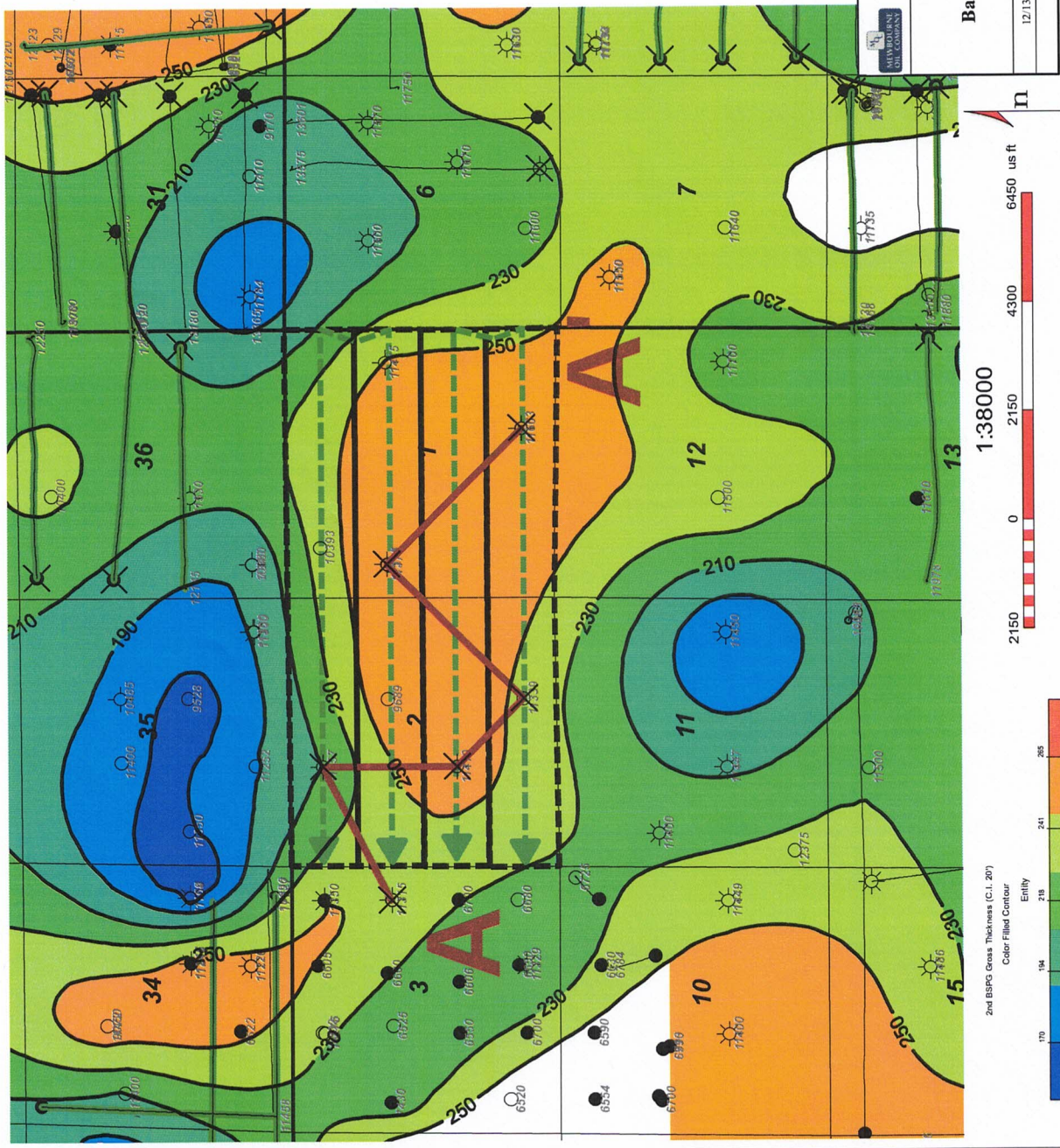
Proposed Horizontal

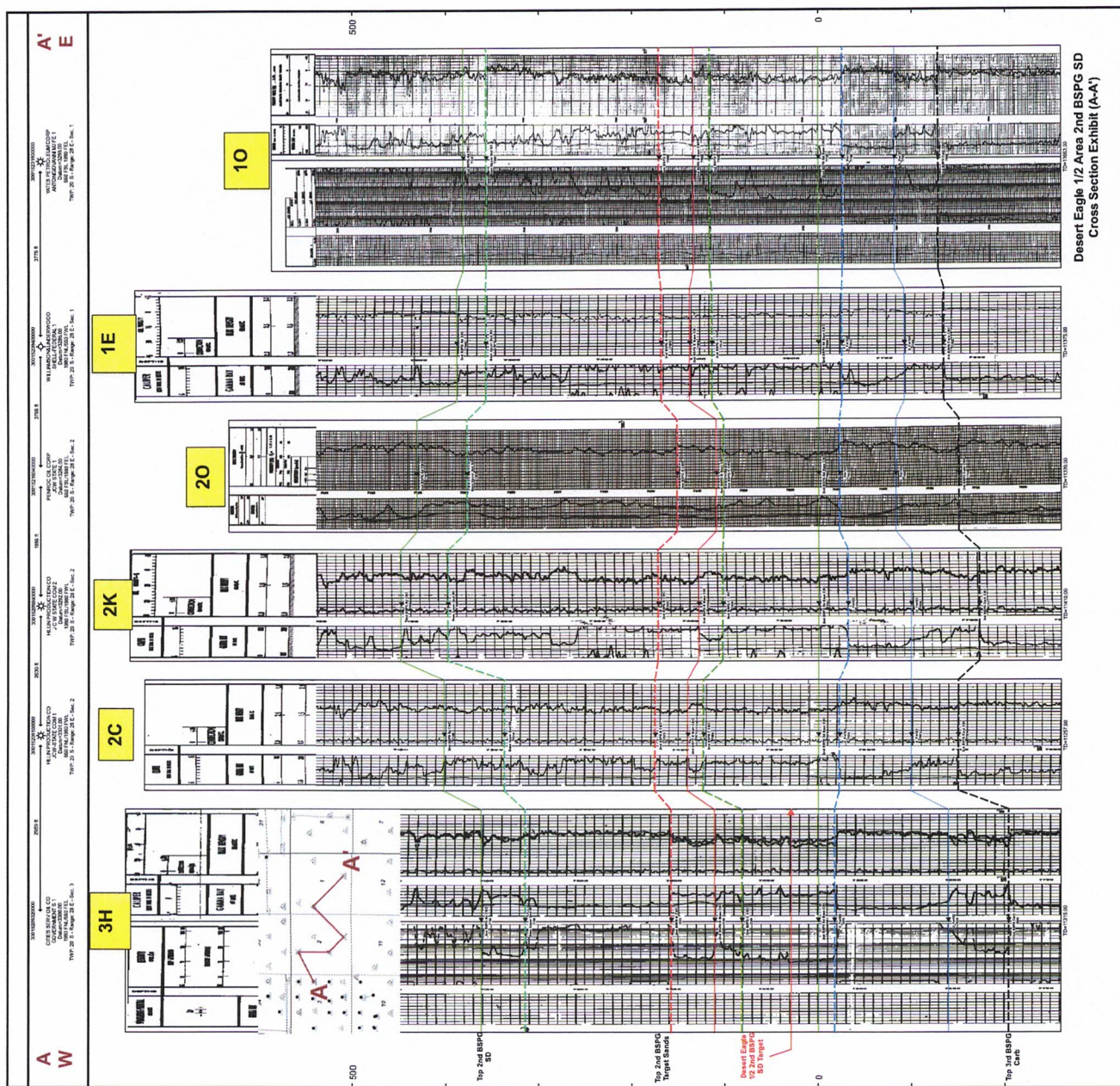
TD

Mewbourne Oil Company
 Desert Eagle 1/2 Area
 Horizontal Activity Map
 Base 2nd BSPG Sd Structures (C.I. 100')

Gross Isopach

12/13/21	Eddy County	New Mexico
Wells TD < 6000' filtered out		Geol. C. Crosby





ATTACHMENT



ATTACHMENT

D

Horizontal Activity Color Code

3rd Bone Spring Sand

Wolfcamp Sand

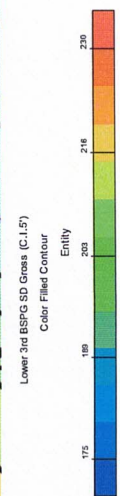
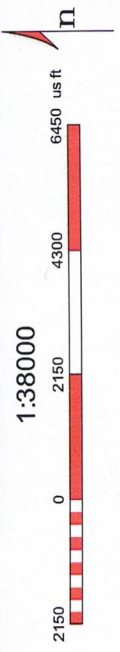
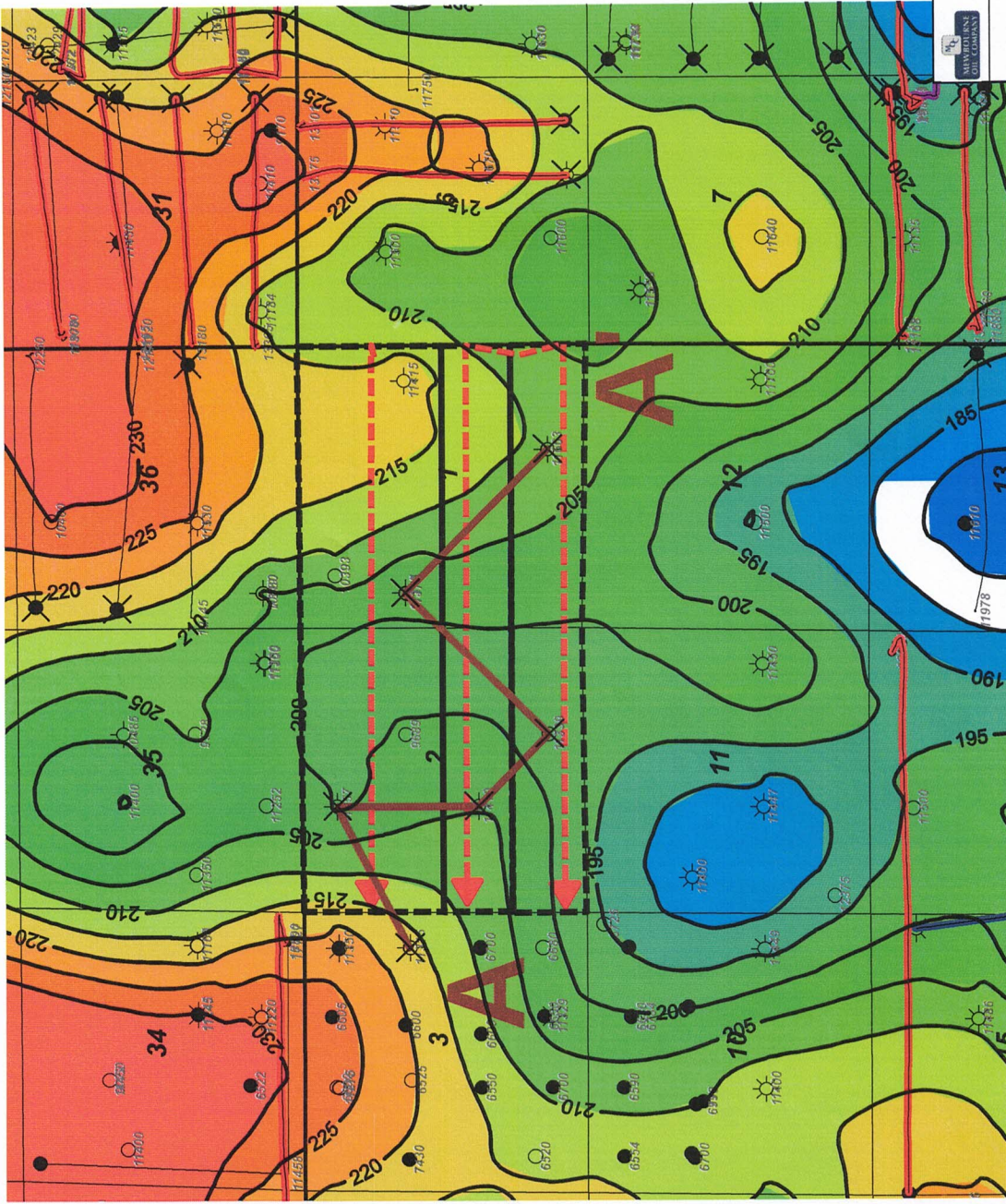
Proposed Horizontal

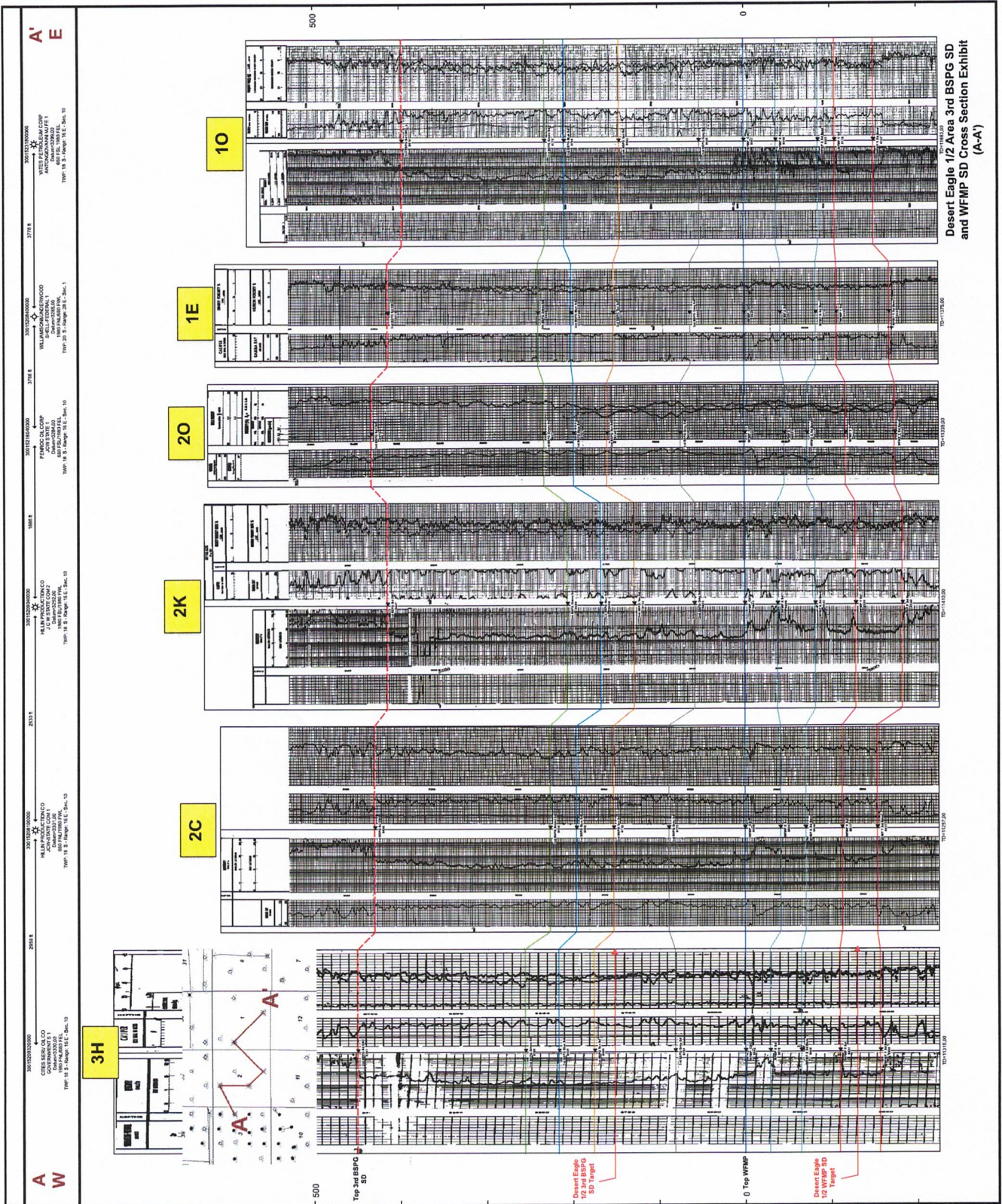
TD

Mewbourne Oil Company

Desert Eagle 1/2 Area
Horizontal Activity Map
Lower 3rd BSPGSD Gross Isopach (C.I. 5')

12/13/21
Baldy County
New Mexico
Wells TD < 6000' filtered out
Geol. C. Crosby





Desert Eagle 1/2 Area 3rd BSPG SD and WFMP SD Cross Section Exhibit (A-A)

ATTACHMENT

E

ATTACHMENT **F**

Horizontal Activity Color Code

- 3rd Bone Spring Sand
- Wolfcamp Sand

Proposed Horizontal

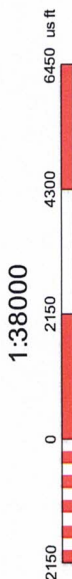
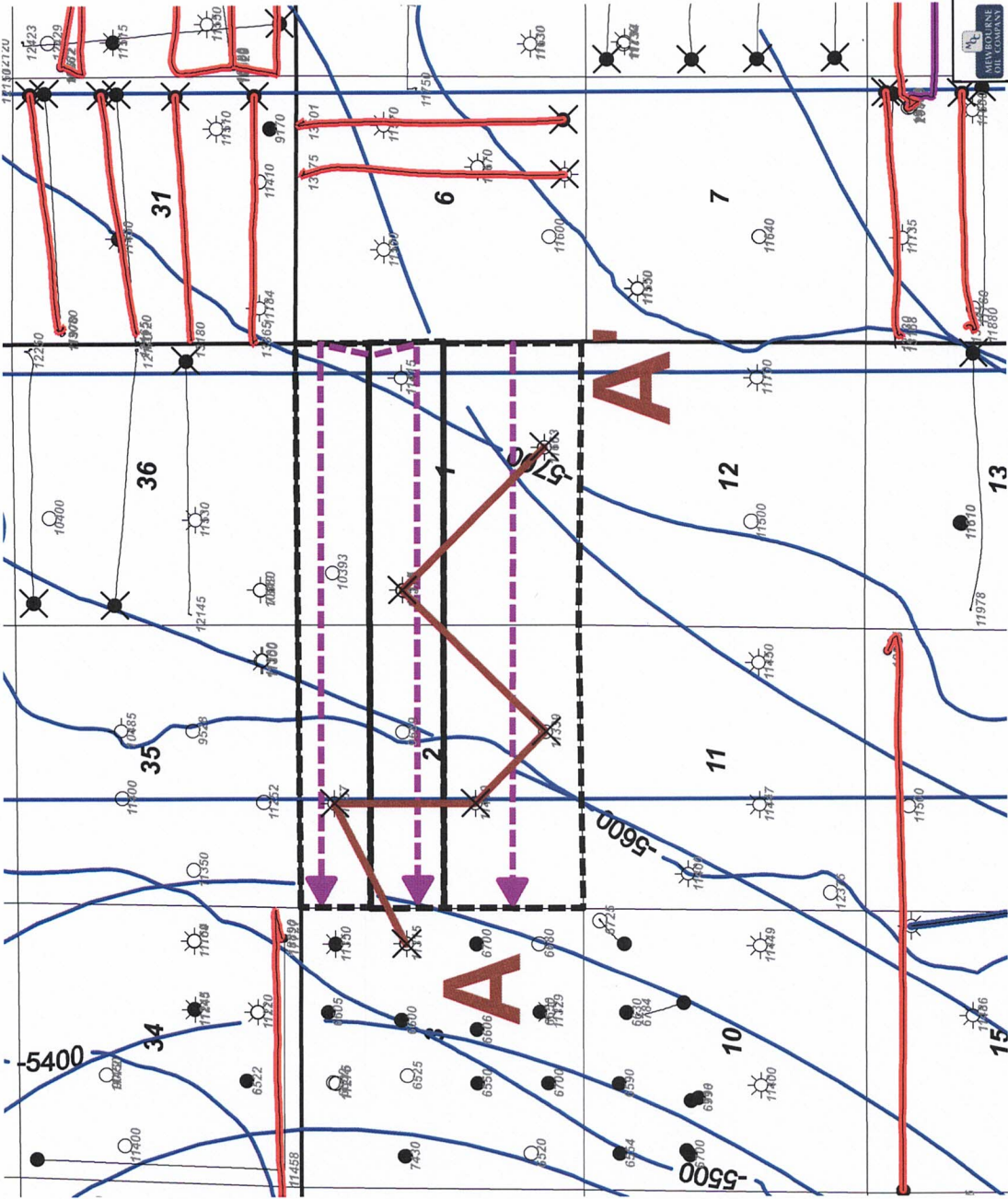


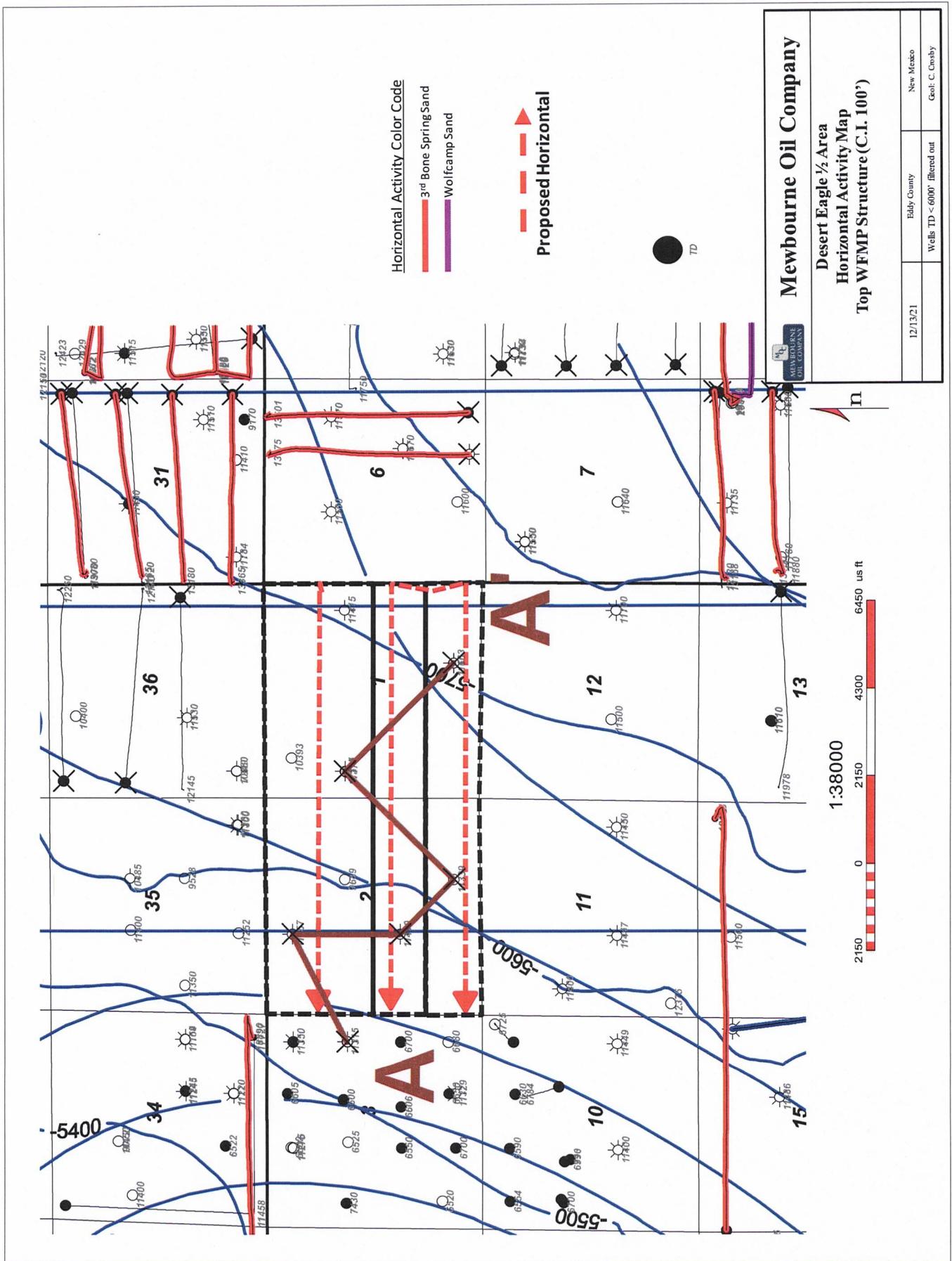
TD

Mewbourne Oil Company

Desert Eagle 1/2 Area
Horizontal Activity Map
Top WFMP Structure (C.I. 100')

12/13/21	Eddy County	New Mexico
	Wells TD < 6000' filtered out	Geol: C. Crosby





Desert Eagle 1/2 Area Horizontal Production Table

Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Chaparral State 20	Devon	30015391580000	32C/19S/29E	7/5/2012	78.6	0.42	96.5	NS	2nd Bone Spring Sand
Derringer 18 Federal Com 2H	Mewbourne	30015397580000	18E/20S/29E	1/23/2013	129.8	0.48	284.8	EW	2nd Bone Spring Sand
Chaparral State 21H	Devon	30015399550000	32D/19S/29E	8/26/2012	98.6	0.60	258.7	NS	2nd Bone Spring Sand
Government AC 13 Federal 5H	OXY	30015408800000	13E/20S/28E	12/8/2014	168.0	0.60	915.4	EW	2nd Bone Spring Sand
Thompson 8 Federal 2H	Mewbourne	30015392950000	8A/20S/29E	7/1/2012	184.3	0.68	311.0	EW	2nd Bone Spring Sand
Henry 8 IL Federal 1H	Mewbourne	30015417810000	8I/20S/29E	2/15/2014	73.1	0.31	260.7	EW	2nd Bone Spring Sand
Henry 8 PM Federal Com 1H	Mewbourne	30015419550000	8P/20S/29E	5/16/2014	121.5	0.52	403.6	EW	2nd Bone Spring Sand
Winchester 36 AD State 1H	Mewbourne	30015413540000	36A/19S/28E	9/9/2013	100.1	0.38	163.4	EW	2nd Bone Spring Sand
Derringer 18 DA Federal 1H	Mewbourne	30015414310000	18D/20S/29E	9/4/2013	113.1	0.56	306.4	EW	2nd Bone Spring Sand
Winchester 36 HE State 1H	Mewbourne	30015417470000	36H/19S/28E	4/26/2014	109.4	0.35	200.1	EW	2nd Bone Spring Sand
Ruger 31 DA Federal Com 1H	Mewbourne	30015419520000	31D/19S/29E	4/9/2014	199.2	0.93	162.4	EW	2nd Bone Spring Sand
Ruger 31 B2EH Federal 1H	Mewbourne	30015424740000	31E/19S/29E	12/20/2014	104.7	0.30	103.8	EW	2nd Bone Spring Sand
Winchester 36 B2L State 1H	Mewbourne	30015426060000	36L/19S/28E	3/23/2015	75.5	0.28	156.4	EW	2nd Bone Spring Sand
Dawson 34 Federal Com 124H	Colgate	30015476030000	34P/19S/28E	2/1/2021	261.9	0.84	438.9	EW	2nd Bone Spring Sand
Dawson 34 Federal Com 123H	Colgate	30015477040000	34I/19S/28E		Pending			EW	2nd Bone Spring Sand
Ruger 6 Federal Com 3H	Mewbourne	30015371980000	6B/20S/29E	7/14/2011	128.3	0.55	76.3	NS	3rd Bone Spring Sand
Ruger 6 Federal Com 4H	Mewbourne	30015396860000	6A/20S/29E	3/25/2012	92.8	0.25	78.7	NS	3rd Bone Spring Sand
Ruger 31 MP Federal 1H	Mewbourne	30015402420000	31M/19S/29E	5/10/2013	114.5	0.81	155.8	EW	3rd Bone Spring Sand
Ruger 31 LI Federal 1H	Mewbourne	30015416790000	31L/19S/29E	8/24/2014	85.5	0.39	117.1	EW	3rd Bone Spring Sand
Ruger 31 B3EH Federal 2H	Mewbourne	30015425950000	31E/19S/29E	12/13/2014	209.3	1.10	198.7	EW	3rd Bone Spring Sand
Derringer 18 B3DA Fed 2H	Mewbourne	30015429690000	18D/20S/29E	9/10/2015	256.4	1.40	379.9	EW	3rd Bone Spring Sand
Ruger 31 B3DA Federal 2H	Mewbourne	30015430630000	31D/19S/29E	7/30/2015	298.9	1.70	227.1	EW	3rd Bone Spring Sand
Charlie Chocolate 14/15 Federal Com 31H	OXY	30015431230100	14A/20S/28E	10/5/2019	97.2	0.33	453.7	EW	3rd Bone Spring Sand
Derringer 18 B3EH Federal 2H	Mewbourne	30015435780000	18E/20S/29E	5/24/2017	257.8	0.80	498.9	EW	3rd Bone Spring Sand
Glock 17/16 B3DA Federal Com 2H	Mewbourne	30015457940000	18/20S/29E	8/24/2019	280.4	0.62	738.8	EW	3rd Bone Spring Sand
Derringer 18 B2EH Federal 2H	Mewbourne	30015435780000	18E/20S/29E	5/24/2017	257.8	0.80	498.9	EW	3rd Bone Spring Sand
Uraninite 32/33 State Federal 334H	Devon	30015468190000	32M/19S/29E	10/22/2020	159.8	0.39	205.9	EW	3rd Bone Spring Sand
Uraninite 32/33 State Federal 335H	Devon	30015468200000	32M/19S/29E	10/1/2020	141.4	0.43	234.4	EW	3rd Bone Spring Sand
Uraninite 32/33 State Federal 332H	Devon	30015468400000	32D/19S/29E	10/19/2020	153.3	0.36	214.4	EW	3rd Bone Spring Sand
Uraninite 32/33 State Federal Com 333H	Devon	30015468410000	32D/19S/29E	10/31/2020	97.1	0.24	247.1	EW	3rd Bone Spring Sand
Dawson 34 Federal Com 134H	Colgate	30015476040000	34P/19S/28E	2/13/2021	166.6	0.64	412.2	EW	3rd Bone Spring Sand
Glock 17/16 WODA Federal Com 3H	Mewbourne	30015434410000	18A/20S/29E	8/1/2019	406.7	1.12	554.3	EW	Wolfcamp Sand



ATTACHMENT

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Desert Eagle 1/2 B21L Fed Com 1H
KOP 7145.04
SL: 1260 FSL & 205 FEL; Sec 1P/20S/28E
PBHL: 1310 FSL & 100 FWL; Sec 2M/20S/28E

Target KBTVD: 7,718 Feet 7718.00
Target Angle: 91.47 Degrees 91.47
Section Plane: 270.36 Degrees
Declination Corrected to True North: 6.63 Degrees
Bit to Survey Offset: 44 Feet

Table with columns: Survey No., Measured Depth-ft, Drift (Deg.), Azimuth (Deg.), Course Length, TVD (Feet), Vertical Section, +/-S (Feet), +/-E-W (Feet), Closure Distance, Closure Direction, BUR, DLS, KBTVD, +Above -Below Target, DRIFT RADIANS (RADIANS), AZIMUTH RADIANS (RADIANS). Rows 1-56.

ATTACHMENT

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Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Desert Eagle 1/2 B3PM Fed Com 1H
KOP 8446.54

SL: 1170 FSL & 205 FEL; Sec 1P/20S/28E
PBHL: 400 FSL & 100 FWL; Sec 2M/20S/28E

Target KBTVD: 8,924 Feet 8924.00
Target Angle: 90.98 Degrees 90.98
Section Plane: 265.49 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		DRIFT RADIANS	AZIMUTH (RADIANS)
														-Below Target	RADIANS		
T/I	8446.54	0.00	265.49	N/A	8446.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8446.5	477.5	1E-12	4.63	#VALUE!
1	8522.35	9.10	265.49	75.816	8522.0	6.0	-0.5	-6.0	6.0	265.5	12.0	12.0	8522.1	401.9	0.158788	4.63	0.1587883
2	8598.17	18.20	265.49	75.816	8595.6	23.9	-1.9	-23.8	23.9	265.5	12.0	12.0	8596.0	328.0	0.317577	4.63	0.1587883
3	8673.98	27.29	265.49	75.816	8665.5	53.2	-4.2	-53.0	53.2	265.5	12.0	12.0	8666.4	257.6	0.476365	4.63	0.1587883
4	8749.80	36.39	265.49	75.816	8729.8	93.1	-7.3	-92.8	93.1	265.5	12.0	12.0	8731.4	192.6	0.635153	4.63	0.1587883
5	8825.61	45.49	265.49	75.816	8787.0	142.7	-11.2	-142.3	142.7	265.5	12.0	12.0	8789.5	134.5	0.793941	4.63	0.1587883
6	8901.43	54.59	265.49	75.816	8835.7	200.8	-15.8	-200.2	200.8	265.5	12.0	12.0	8839.1	84.9	0.95273	4.63	0.1587883
7	8977.25	63.69	265.49	75.816	8874.5	265.8	-20.9	-265.0	265.8	265.5	12.0	12.0	8879.1	44.9	1.111518	4.63	0.1587883
8	9053.06	72.78	265.49	75.816	8902.6	336.1	-26.4	-335.1	336.1	265.5	12.0	12.0	8908.3	15.7	1.270306	4.63	0.1587883
9	9128.88	81.88	265.49	75.816	8919.2	410.0	-32.2	-408.8	410.0	265.5	12.0	12.0	8926.2	-2.2	1.429095	4.63	0.1587883
10	9204.69	90.98	265.49	75.816	8923.9	485.6	-38.2	-484.1	485.6	265.5	12.0	12.0	8932.2	-8.2	1.587883	4.63	0.1587883
11	9300.00	90.98	265.49	95.307	8922.3	580.9	-45.7	-579.1	580.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
12	9400.00	90.98	265.49	100	8920.6	680.9	-53.5	-678.8	680.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
13	9500.00	90.98	265.49	100	8918.9	780.9	-61.4	-778.5	780.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
14	9600.00	90.98	265.49	100	8917.2	880.9	-69.3	-878.1	880.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
15	9700.00	90.98	265.49	100	8915.5	980.9	-77.1	-977.8	980.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
16	9800.00	90.98	265.49	100	8913.8	1080.8	-85.0	-1077.5	1080.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
17	9900.00	90.98	265.49	100	8912.1	1180.8	-92.9	-1177.2	1180.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
18	10000.00	90.98	265.49	100	8910.3	1280.8	-100.7	-1276.8	1280.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
19	10100.00	90.98	265.49	100	8908.6	1380.8	-108.6	-1376.5	1380.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
20	10200.00	90.98	265.49	100	8906.9	1480.8	-116.5	-1476.2	1480.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
21	10300.00	90.98	265.49	100	8905.2	1580.8	-124.3	-1575.9	1580.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
22	10400.00	90.98	265.49	100	8903.5	1680.8	-132.2	-1675.5	1680.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
23	10500.00	90.98	265.49	100	8901.8	1780.7	-140.0	-1775.2	1780.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
24	10600.00	90.98	265.49	100	8900.1	1880.7	-147.9	-1874.9	1880.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
25	10700.00	90.98	265.49	100	8898.4	1980.7	-155.8	-1974.6	1980.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
26	10800.00	90.98	265.49	100	8896.7	2080.7	-163.6	-2074.3	2080.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
27	10900.00	90.98	265.49	100	8895.0	2180.7	-171.5	-2173.9	2180.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
28	11000.00	90.98	265.49	100	8893.3	2280.7	-179.4	-2273.6	2280.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
29	11100.00	90.98	265.49	100	8891.5	2380.7	-187.2	-2373.3	2380.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
30	11200.00	90.98	265.49	100	8889.8	2480.6	-195.1	-2473.0	2480.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
31	11300.00	90.98	265.49	100	8888.1	2580.6	-203.0	-2572.6	2580.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
32	11400.00	90.98	265.49	100	8886.4	2680.6	-210.8	-2672.3	2680.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
33	11500.00	90.98	265.49	100	8884.7	2780.6	-218.7	-2772.0	2780.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
34	11600.00	90.98	265.49	100	8883.0	2880.6	-226.5	-2871.7	2880.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
35	11700.00	90.98	265.49	100	8881.3	2980.6	-234.4	-2971.3	2980.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
36	11800.00	90.98	265.49	100	8879.6	3080.6	-242.3	-3071.0	3080.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
37	11900.00	90.98	265.49	100	8877.9	3180.5	-250.1	-3170.7	3180.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
38	12000.00	90.98	265.49	100	8876.2	3280.5	-258.0	-3270.4	3280.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
39	12100.00	90.98	265.49	100	8874.5	3380.5	-265.9	-3370.0	3380.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
40	12200.00	90.98	265.49	100	8872.8	3480.5	-273.7	-3469.7	3480.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
41	12300.00	90.98	265.49	100	8871.0	3580.5	-281.6	-3569.4	3580.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
42	12400.00	90.98	265.49	100	8869.3	3680.5	-289.4	-3669.1	3680.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
43	12500.00	90.98	265.49	100	8867.6	3780.4	-297.3	-3768.7	3780.4	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
44	12600.00	90.98	265.49	100	8865.9	3880.4	-305.2	-3868.4	3880.4	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
45	12700.00	90.98	265.49	100	8864.2	3980.4	-313.0	-3968.1	3980.4	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
46	12800.00	90.98	265.49	100	8862.5	4080.4	-320.9	-4067.8	4080.4	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
47	12900.00	90.98	265.49	100	8860.8	4180.4	-328.8	-4167.4	4180.4	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
48	13000.00	90.98	265.49	100	8859.1	4280.4	-336.6	-4267.1	4280.4	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
49	13100.00	90.98	265.49	100	8857.4	4380.4	-344.5	-4366.8	4380.4	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
50	13200.00	90.98	265.49	100	8855.7	4480.3	-352.4	-4466.5	4480.3	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
51	13300.00	90.98	265.49	100	8854.0	4580.3	-360.2	-4566.1	4580.3	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
52	13400.00	90.98	265.49	100	8852.3	4680.3	-368.1	-4665.8	4680.3	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
53	13500.00	90.98	265.49	100	8850.5	4780.3	-375.9	-4765.5	4780.3	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
54	13600.00	90.98	265.49	100	8848.8	4880.3	-383.8	-4865.2	4880.3	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
55	13700.00	90.98	265.49	100	8847.1	4980.3	-391.7	-4964.8	4980.3	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
56	13800.00	90.98	265.49	100	8845.4	5080.3	-399.5	-5064.5	5080.3	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10

57	13900.00	90.98	265.49	100	8843.7	5180.2	-407.4	-5164.2	5180.2	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
58	14000.00	90.98	265.49	100	8842.0	5280.2	-415.3	-5263.9	5280.2	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
59	14100.00	90.98	265.49	100	8840.3	5380.2	-423.1	-5363.6	5380.2	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
60	14200.00	90.98	265.49	100	8838.6	5480.2	-431.0	-5463.2	5480.2	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
61	14300.00	90.98	265.49	100	8836.9	5580.2	-438.8	-5562.9	5580.2	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
62	14400.00	90.98	265.49	100	8835.2	5680.2	-446.7	-5662.6	5680.2	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
63	14500.00	90.98	265.49	100	8833.5	5780.2	-454.6	-5762.3	5780.2	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
64	14600.00	90.98	265.49	100	8831.7	5880.1	-462.4	-5861.9	5880.1	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
65	14700.00	90.98	265.49	100	8830.0	5980.1	-470.3	-5961.6	5980.1	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
66	14800.00	90.98	265.49	100	8828.3	6080.1	-478.2	-6061.3	6080.1	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
67	14900.00	90.98	265.49	100	8826.6	6180.1	-486.0	-6161.0	6180.1	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
68	15000.00	90.98	265.49	100	8824.9	6280.1	-493.9	-6260.6	6280.1	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
69	15100.00	90.98	265.49	100	8823.2	6380.1	-501.8	-6360.3	6380.1	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
70	15200.00	90.98	265.49	100	8821.5	6480.1	-509.6	-6460.0	6480.1	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
71	15300.00	90.98	265.49	100	8819.8	6580.0	-517.5	-6559.7	6580.0	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
72	15400.00	90.98	265.49	100	8818.1	6680.0	-525.3	-6659.3	6680.0	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
73	15500.00	90.98	265.49	100	8816.4	6780.0	-533.2	-6759.0	6780.0	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
74	15600.00	90.98	265.49	100	8814.7	6880.0	-541.1	-6858.7	6880.0	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
75	15700.00	90.98	265.49	100	8813.0	6980.0	-548.9	-6958.4	6980.0	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
76	15800.00	90.98	265.49	100	8811.2	7080.0	-556.8	-7058.0	7080.0	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
77	15900.00	90.98	265.49	100	8809.5	7180.0	-564.7	-7157.7	7180.0	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
78	16000.00	90.98	265.49	100	8807.8	7279.9	-572.5	-7257.4	7279.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
79	16100.00	90.98	265.49	100	8806.1	7379.9	-580.4	-7357.1	7379.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
80	16200.00	90.98	265.49	100	8804.4	7479.9	-588.3	-7456.7	7479.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
81	16300.00	90.98	265.49	100	8802.7	7579.9	-596.1	-7556.4	7579.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
82	16400.00	90.98	265.49	100	8801.0	7679.9	-604.0	-7656.1	7679.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
83	16500.00	90.98	265.49	100	8799.3	7779.9	-611.8	-7755.8	7779.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
84	16600.00	90.98	265.49	100	8797.6	7879.8	-619.7	-7855.4	7879.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
85	16700.00	90.98	265.49	100	8795.9	7979.8	-627.6	-7955.1	7979.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
86	16800.00	90.98	265.49	100	8794.2	8079.8	-635.4	-8054.8	8079.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
87	16900.00	90.98	265.49	100	8792.5	8179.8	-643.3	-8154.5	8179.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
88	17000.00	90.98	265.49	100	8790.7	8279.8	-651.2	-8254.1	8279.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
89	17100.00	90.98	265.49	100	8789.0	8379.8	-659.0	-8353.8	8379.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
90	17200.00	90.98	265.49	100	8787.3	8479.8	-666.9	-8453.5	8479.8	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
91	17300.00	90.98	265.49	100	8785.6	8579.7	-674.7	-8553.2	8579.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
92	17400.00	90.98	265.49	100	8783.9	8679.7	-682.6	-8652.8	8679.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
93	17500.00	90.98	265.49	100	8782.2	8779.7	-690.5	-8752.5	8779.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
94	17600.00	90.98	265.49	100	8780.5	8879.7	-698.3	-8852.2	8879.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
95	17700.00	90.98	265.49	100	8778.8	8979.7	-706.2	-8951.9	8979.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
96	17800.00	90.98	265.49	100	8777.1	9079.7	-714.1	-9051.6	9079.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
97	17900.00	90.98	265.49	100	8775.4	9179.7	-721.9	-9151.2	9179.7	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
98	18000.00	90.98	265.49	100	8773.7	9279.6	-729.8	-9250.9	9279.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
99	18100.00	90.98	265.49	100	8771.9	9379.6	-737.7	-9350.6	9379.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
100	18200.00	90.98	265.49	100	8770.2	9479.6	-745.5	-9450.3	9479.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
101	18300.00	90.98	265.49	100	8768.5	9579.6	-753.4	-9549.9	9579.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
102	18400.00	90.98	265.49	100	8766.8	9679.6	-761.2	-9649.6	9679.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
103	18500.00	90.98	265.49	100	8765.1	9779.6	-769.1	-9749.3	9779.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
104	18600.00	90.98	265.49	100	8763.4	9879.6	-777.0	-9849.0	9879.6	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
105	18700.00	90.98	265.49	100	8761.7	9979.5	-784.8	-9948.6	9979.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
106	18800.00	90.98	265.49	100	8760.0	10079.5	-792.7	-10048.3	10079.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
107	18900.00	90.98	265.49	100	8758.3	10179.5	-800.6	-10148.0	10179.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
108	19000.00	90.98	265.49	100	8756.6	10279.5	-808.4	-10247.7	10279.5	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10
109	19086.38	90.98	265.49	86.381	8755.1	10365.9	-815.2	-10333.8	10365.9	265.5	0.0	0.0	8932.2	-8.2	1.587883	4.63	1E-10

57	12700.00	91.35	273.64	100	7599.2	5235.6	332.1	-5225.1	5235.6	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
58	12800.00	91.35	273.64	100	7596.8	5335.6	338.5	-5324.8	5335.6	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
59	12900.00	91.35	273.64	100	7594.5	5435.6	344.8	-5424.6	5435.6	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
60	13000.00	91.35	273.64	100	7592.1	5535.5	351.2	-5524.4	5535.5	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
61	13100.00	91.35	273.64	100	7589.7	5635.5	357.5	-5624.2	5635.5	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
62	13200.00	91.35	273.64	100	7587.4	5735.5	363.8	-5723.9	5735.5	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
63	13300.00	91.35	273.64	100	7585.0	5835.5	370.2	-5823.7	5835.5	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
64	13400.00	91.35	273.64	100	7582.7	5935.4	376.5	-5923.5	5935.4	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
65	13500.00	91.35	273.64	100	7580.3	6035.4	382.9	-6023.2	6035.4	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
66	13600.00	91.35	273.64	100	7578.0	6135.4	389.2	-6123.0	6135.4	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
67	13700.00	91.35	273.64	100	7575.6	6235.3	395.5	-6222.8	6235.3	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
68	13800.00	91.35	273.64	100	7573.2	6335.3	401.9	-6322.6	6335.3	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
69	13900.00	91.35	273.64	100	7570.9	6435.3	408.2	-6422.3	6435.3	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
70	14000.00	91.35	273.64	100	7568.5	6535.3	414.6	-6522.1	6535.3	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
71	14100.00	91.35	273.64	100	7566.2	6635.2	420.9	-6621.9	6635.2	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
72	14200.00	91.35	273.64	100	7563.8	6735.2	427.3	-6721.6	6735.2	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
73	14300.00	91.35	273.64	100	7561.4	6835.2	433.6	-6821.4	6835.2	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
74	14400.00	91.35	273.64	100	7559.1	6935.1	439.9	-6921.2	6935.1	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
75	14500.00	91.35	273.64	100	7556.7	7035.1	446.3	-7021.0	7035.1	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
76	14600.00	91.35	273.64	100	7554.4	7135.1	452.6	-7120.7	7135.1	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
77	14700.00	91.35	273.64	100	7552.0	7235.1	459.0	-7220.5	7235.1	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
78	14800.00	91.35	273.64	100	7549.7	7335.0	465.3	-7320.3	7335.0	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
79	14900.00	91.35	273.64	100	7547.3	7435.0	471.6	-7420.0	7435.0	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
80	15000.00	91.35	273.64	100	7544.9	7535.0	478.0	-7519.8	7535.0	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
81	15100.00	91.35	273.64	100	7542.6	7635.0	484.3	-7619.6	7635.0	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
82	15200.00	91.35	273.64	100	7540.2	7734.9	490.7	-7719.3	7734.9	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
83	15300.00	91.35	273.64	100	7537.9	7834.9	497.0	-7819.1	7834.9	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
84	15400.00	91.35	273.64	100	7535.5	7934.9	503.4	-7918.9	7934.9	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
85	15500.00	91.35	273.64	100	7533.1	8034.8	509.7	-8018.7	8034.8	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
86	15600.00	91.35	273.64	100	7530.8	8134.8	516.0	-8118.4	8134.8	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
87	15700.00	91.35	273.64	100	7528.4	8234.8	522.4	-8218.2	8234.8	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
88	15800.00	91.35	273.64	100	7526.1	8334.8	528.7	-8318.0	8334.8	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
89	15900.00	91.35	273.64	100	7523.7	8434.7	535.1	-8417.7	8434.7	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
90	16000.00	91.35	273.64	100	7521.4	8534.7	541.4	-8517.5	8534.7	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
91	16100.00	91.35	273.64	100	7519.0	8634.7	547.8	-8617.3	8634.7	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
92	16200.00	91.35	273.64	100	7516.6	8734.6	554.1	-8717.1	8734.6	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
93	16300.00	91.35	273.64	100	7514.3	8834.6	560.4	-8816.8	8834.6	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
94	16400.00	91.35	273.64	100	7511.9	8934.6	566.8	-8916.6	8934.6	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
95	16500.00	91.35	273.64	100	7509.6	9034.6	573.1	-9016.4	9034.6	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
96	16600.00	91.35	273.64	100	7507.2	9134.5	579.5	-9116.1	9134.5	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
97	16700.00	91.35	273.64	100	7504.8	9234.5	585.8	-9215.9	9234.5	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
98	16800.00	91.35	273.64	100	7502.5	9334.5	592.1	-9315.7	9334.5	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
99	16900.00	91.35	273.64	100	7500.1	9434.5	598.5	-9415.5	9434.5	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
100	17000.00	91.35	273.64	100	7497.8	9534.4	604.8	-9515.2	9534.4	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
101	17100.00	91.35	273.64	100	7495.4	9634.4	611.2	-9615.0	9634.4	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
102	17200.00	91.35	273.64	100	7493.1	9734.4	617.5	-9714.8	9734.4	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
103	17300.00	91.35	273.64	100	7490.7	9834.3	623.9	-9814.5	9834.3	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
104	17400.00	91.35	273.64	100	7488.3	9934.3	630.2	-9914.3	9934.3	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
105	17500.00	91.35	273.64	100	7486.0	10034.3	636.5	-10014.1	10034.3	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
106	17600.00	91.35	273.64	100	7483.6	10134.3	642.9	-10113.8	10134.3	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
107	17700.00	91.35	273.64	100	7481.3	10234.2	649.2	-10213.6	10234.2	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10
108	17786.68	91.35	273.64	86.678	7479.2	10320.9	654.7	-10300.1	10320.9	273.6	0.0	0.0	7722.7	-13.7	1.59438016	4.78	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

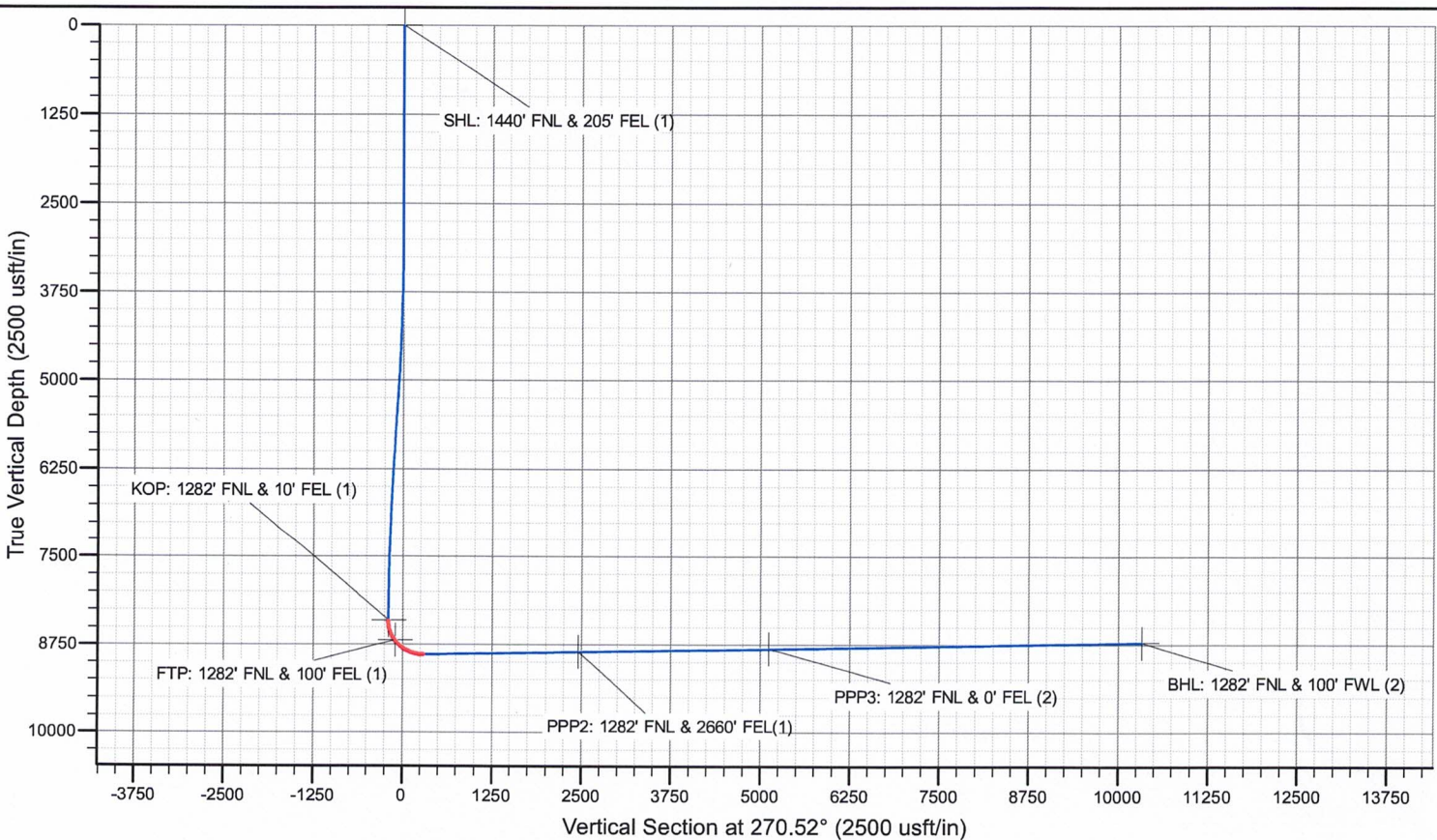
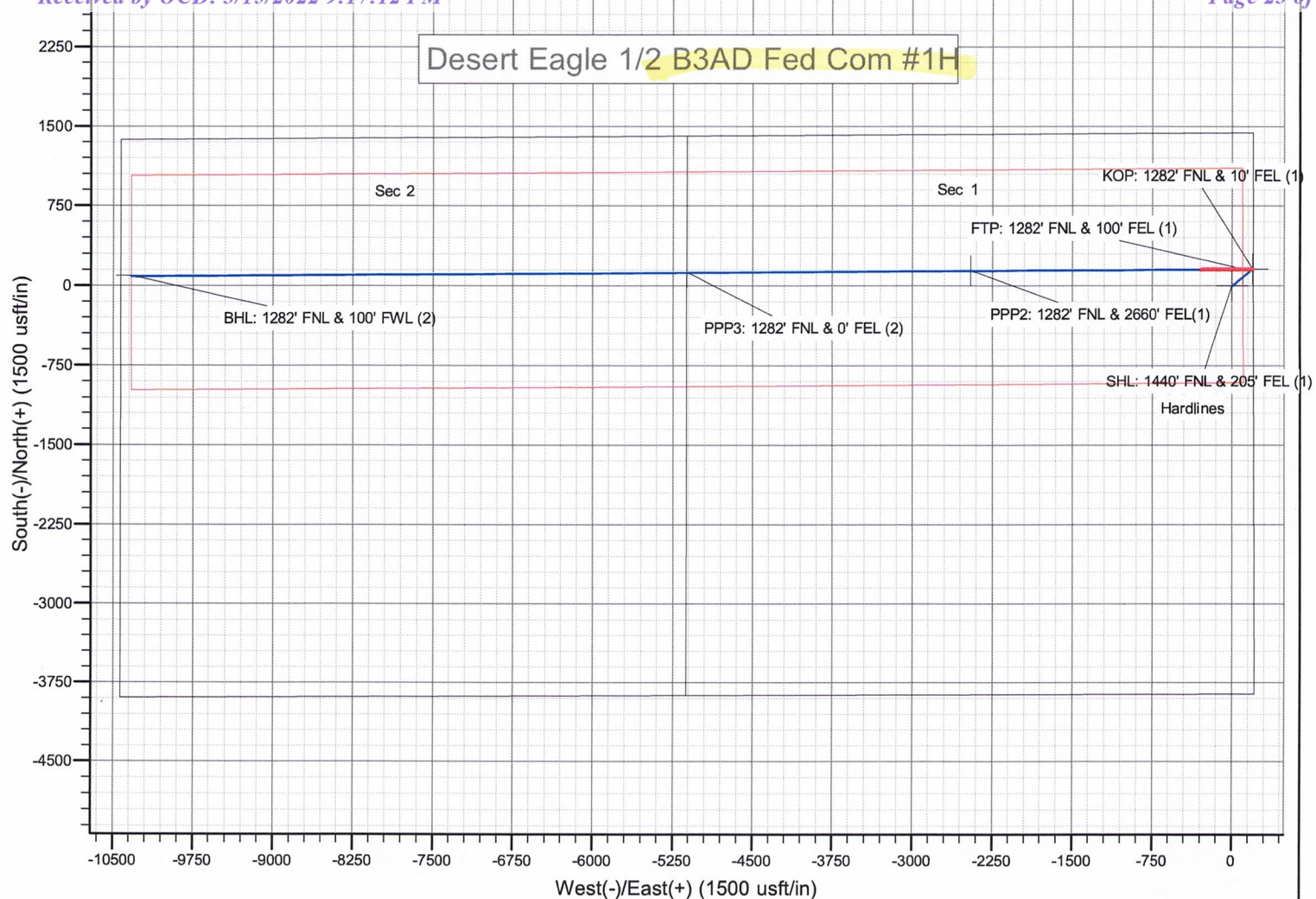
Operator: Mewbourne Oil Company
 Lease Name: Desert Eagle 1/2 B2HE Fed Com 1H
 KOP 7146.04
 SL: 1500 FNL & 205 FEL; Sec 1H/20S/28E
 PBHL: 1980 FNL & 100 FWL; Sec 2E/20S/28E

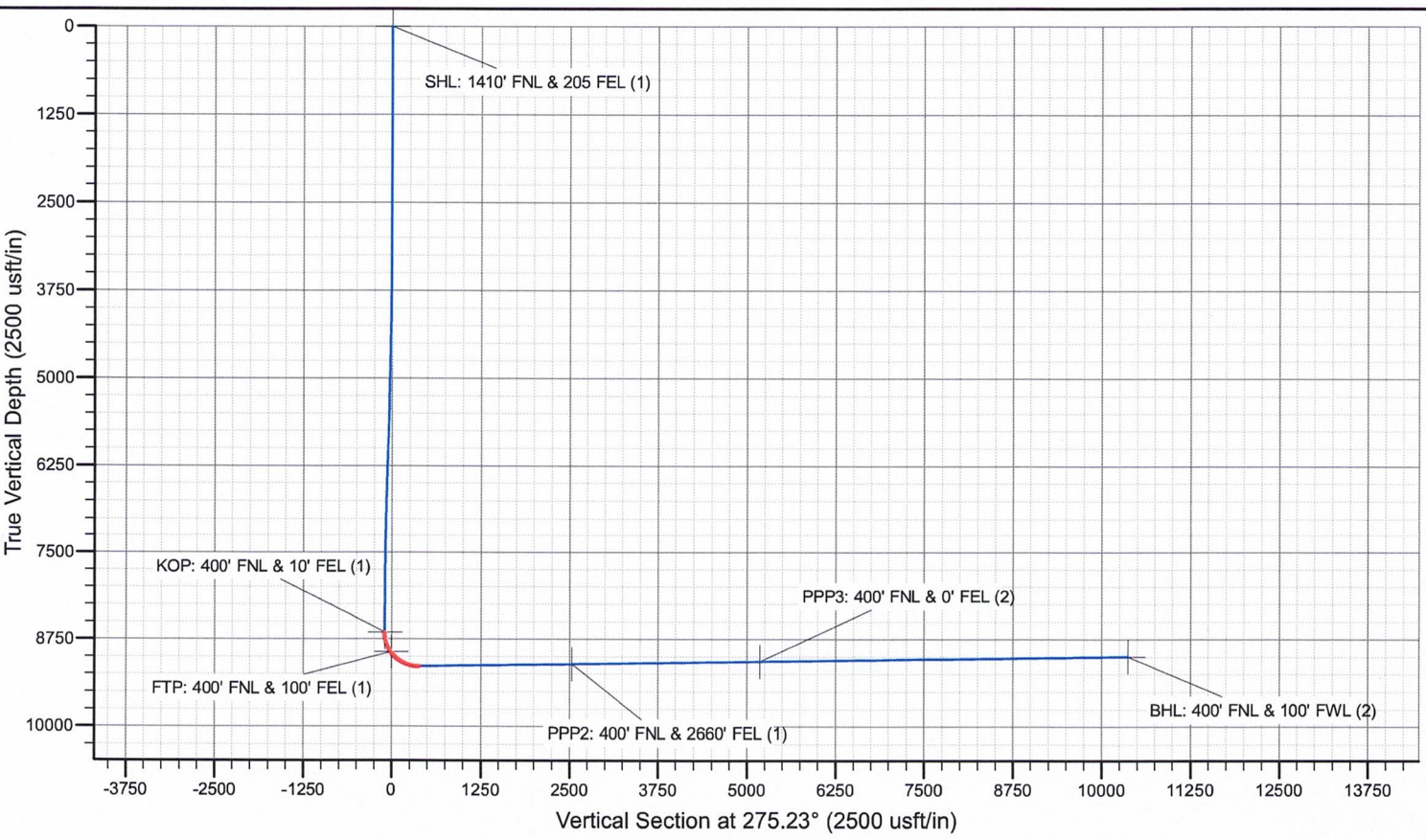
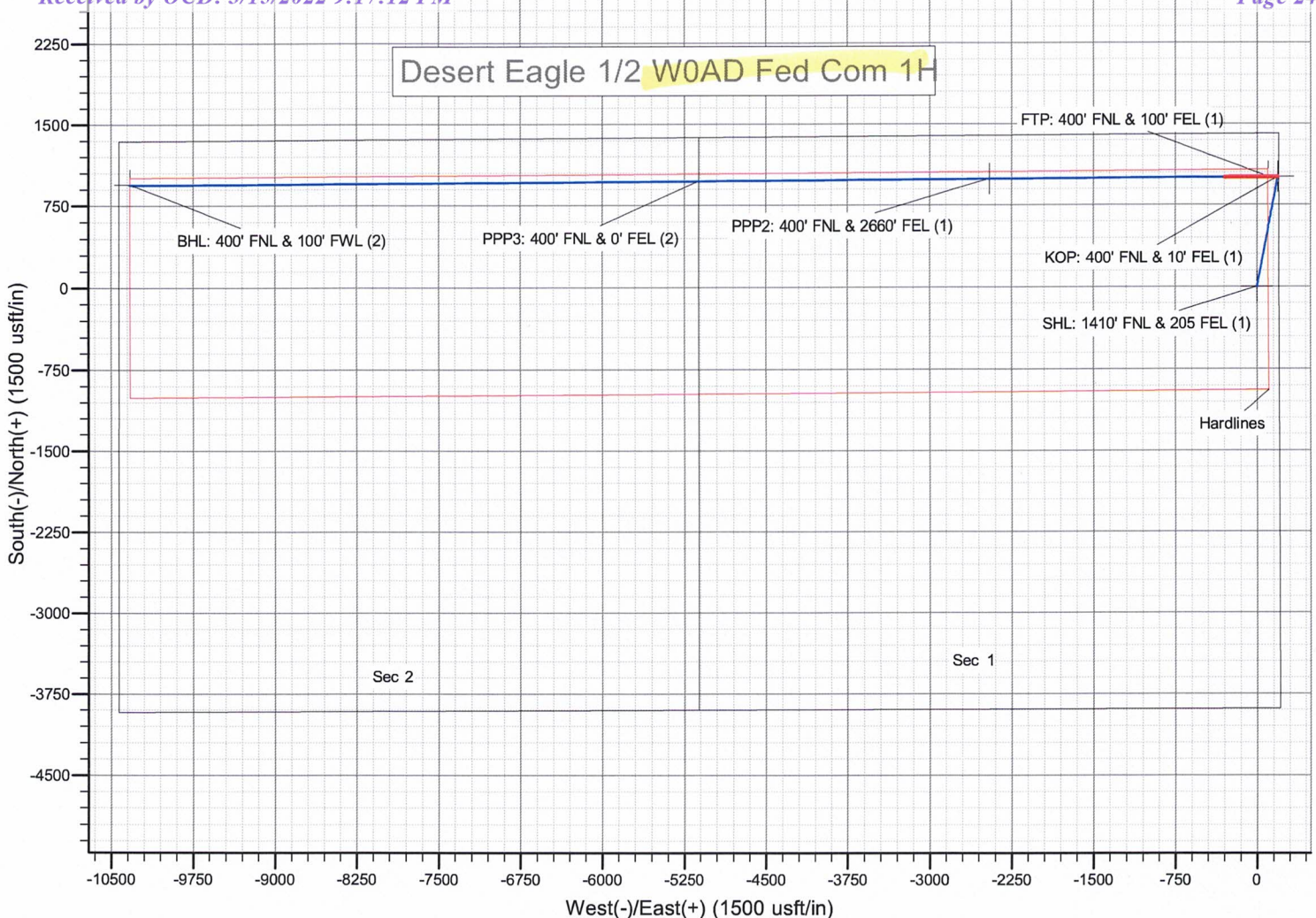
Target KBTVD: 7,719 Feet 7719.00
 Target Angle: 91.44 Degrees 91.44
 Section Plane: 266.97 Degrees
 Declination Corrected to True North: 6.63 Degrees
 Bit to Survey Offset: 44 Feet

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	DRIFT RADIANS	AZIMUTH (RADIANS)
														Target	Target		
T/1	7146.04	0.00	266.97	N/A	7146.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7146.0	573.0	1E-12	4.66	#VALUE!
1	7237.48	9.14	266.97	91.439	7237.1	7.3	-0.4	-7.3	7.3	267.0	10.0	10.0	7237.3	481.7	0.15959	4.66	0.1595912
2	7328.92	18.29	266.97	91.439	7325.8	28.9	-1.5	-28.9	28.9	267.0	10.0	10.0	7326.6	392.4	0.31918	4.66	0.1595912
3	7420.36	27.43	266.97	91.439	7410.0	64.4	-3.4	-64.3	64.4	267.0	10.0	10.0	7411.6	307.4	0.47877	4.66	0.1595912
4	7511.80	36.58	266.97	91.439	7487.5	112.8	-6.0	-112.7	112.8	267.0	10.0	10.0	7490.3	228.7	0.63836	4.66	0.1595912
5	7603.24	45.72	266.97	91.439	7556.2	172.9	-9.1	-172.7	172.9	267.0	10.0	10.0	7560.6	158.4	0.79796	4.66	0.1595912
6	7694.68	54.86	266.97	91.439	7614.6	243.2	-12.8	-242.9	243.2	267.0	10.0	10.0	7620.7	98.3	0.95755	4.66	0.1595912
7	7786.12	64.01	266.97	91.439	7661.0	321.9	-17.0	-321.4	321.9	267.0	10.0	10.0	7669.1	49.9	1.11714	4.66	0.1595912
8	7877.55	73.15	266.97	91.439	7694.4	406.9	-21.5	-406.3	406.9	267.0	10.0	10.0	7704.6	14.4	1.27673	4.66	0.1595912
9	7968.99	82.30	266.97	91.439	7713.8	496.1	-26.2	-495.4	496.1	267.0	10.0	10.0	7726.3	-7.3	1.43632	4.66	0.1595912
10	8060.43	91.44	266.97	91.439	7718.8	587.3	-31.0	-586.5	587.3	267.0	10.0	10.0	7733.6	-14.6	1.59591	4.66	0.1595912
11	8100.00	91.44	266.97	39.568	7717.8	626.9	-33.1	-626.0	626.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
12	8200.00	91.44	266.97	100	7715.3	726.9	-38.4	-725.9	726.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
13	8300.00	91.44	266.97	100	7712.8	826.8	-43.6	-825.7	826.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
14	8400.00	91.44	266.97	100	7710.3	926.8	-48.9	-925.5	926.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
15	8500.00	91.44	266.97	100	7707.8	1026.8	-54.2	-1025.3	1026.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
16	8600.00	91.44	266.97	100	7705.3	1126.7	-59.5	-1125.2	1126.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
17	8700.00	91.44	266.97	100	7702.8	1226.7	-64.7	-1225.0	1226.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
18	8800.00	91.44	266.97	100	7700.2	1326.7	-70.0	-1324.8	1326.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
19	8900.00	91.44	266.97	100	7697.7	1426.6	-75.3	-1424.7	1426.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
20	9000.00	91.44	266.97	100	7695.2	1526.6	-80.6	-1524.5	1526.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
21	9100.00	91.44	266.97	100	7692.7	1626.6	-85.9	-1624.3	1626.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
22	9200.00	91.44	266.97	100	7690.2	1726.6	-91.1	-1724.1	1726.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
23	9300.00	91.44	266.97	100	7687.7	1826.5	-96.4	-1824.0	1826.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
24	9400.00	91.44	266.97	100	7685.2	1926.5	-101.7	-1923.8	1926.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
25	9500.00	91.44	266.97	100	7682.7	2026.5	-107.0	-2023.6	2026.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
26	9600.00	91.44	266.97	100	7680.2	2126.4	-112.2	-2123.5	2126.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
27	9700.00	91.44	266.97	100	7677.6	2226.4	-117.5	-2223.3	2226.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
28	9800.00	91.44	266.97	100	7675.1	2326.4	-122.8	-2323.1	2326.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
29	9900.00	91.44	266.97	100	7672.6	2426.3	-128.1	-2423.0	2426.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
30	10000.00	91.44	266.97	100	7670.1	2526.3	-133.3	-2522.8	2526.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
31	10100.00	91.44	266.97	100	7667.6	2626.3	-138.6	-2622.6	2626.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
32	10200.00	91.44	266.97	100	7665.1	2726.2	-143.9	-2722.4	2726.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
33	10300.00	91.44	266.97	100	7662.6	2826.2	-149.2	-2822.3	2826.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
34	10400.00	91.44	266.97	100	7660.1	2926.2	-154.4	-2922.1	2926.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
35	10500.00	91.44	266.97	100	7657.6	3026.1	-159.7	-3021.9	3026.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
36	10600.00	91.44	266.97	100	7655.0	3126.1	-165.0	-3121.8	3126.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
37	10700.00	91.44	266.97	100	7652.5	3226.1	-170.3	-3221.6	3226.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
38	10800.00	91.44	266.97	100	7650.0	3326.1	-175.6	-3321.4	3326.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
39	10900.00	91.44	266.97	100	7647.5	3426.0	-180.8	-3421.2	3426.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
40	11000.00	91.44	266.97	100	7645.0	3526.0	-186.1	-3521.1	3526.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
41	11100.00	91.44	266.97	100	7642.5	3626.0	-191.4	-3620.9	3626.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
42	11200.00	91.44	266.97	100	7640.0	3725.9	-196.7	-3720.7	3725.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
43	11300.00	91.44	266.97	100	7637.5	3825.9	-201.9	-3820.6	3825.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
44	11400.00	91.44	266.97	100	7635.0	3925.9	-207.2	-3920.4	3925.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
45	11500.00	91.44	266.97	100	7632.4	4025.8	-212.5	-4020.2	4025.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
46	11600.00	91.44	266.97	100	7629.9	4125.8	-217.8	-4120.0	4125.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
47	11700.00	91.44	266.97	100	7627.4	4225.8	-223.0	-4219.9	4225.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
48	11800.00	91.44	266.97	100	7624.9	4325.7	-228.3	-4319.7	4325.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
49	11900.00	91.44	266.97	100	7622.4	4425.7	-233.6	-4419.5	4425.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
50	12000.00	91.44	266.97	100	7619.9	4525.7	-238.9	-4519.4	4525.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
51	12100.00	91.44	266.97	100	7617.4	4625.6	-244.1	-4619.2	4625.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
52	12200.00	91.44	266.97	100	7614.9	4725.6	-249.4	-4719.0	4725.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
53	12300.00	91.44	266.97	100	7612.4	4825.6	-254.7	-4818.9	4825.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
54	12400.00	91.44	266.97	100	7609.8	4925.5	-260.0	-4918.7	4925.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
55	12500.00	91.44	266.97	100	7607.3	5025.5	-265.3	-5018.5	5025.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
56	12600.00	91.44	266.97	100	7604.8	5125.5	-270.5	-5118.3	5125.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10

57	12700.00	91.44	266.97	100	7602.3	5225.5	-275.8	-5218.2	5225.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
58	12800.00	91.44	266.97	100	7599.8	5325.4	-281.1	-5318.0	5325.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
59	12900.00	91.44	266.97	100	7597.3	5425.4	-286.4	-5417.8	5425.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
60	13000.00	91.44	266.97	100	7594.8	5525.4	-291.6	-5517.7	5525.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
61	13100.00	91.44	266.97	100	7592.3	5625.3	-296.9	-5617.5	5625.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
62	13200.00	91.44	266.97	100	7589.8	5725.3	-302.2	-5717.3	5725.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
63	13300.00	91.44	266.97	100	7587.2	5825.3	-307.5	-5817.1	5825.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
64	13400.00	91.44	266.97	100	7584.7	5925.2	-312.7	-5917.0	5925.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
65	13500.00	91.44	266.97	100	7582.2	6025.2	-318.0	-6016.8	6025.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
66	13600.00	91.44	266.97	100	7579.7	6125.2	-323.3	-6116.6	6125.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
67	13700.00	91.44	266.97	100	7577.2	6225.1	-328.6	-6216.5	6225.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
68	13800.00	91.44	266.97	100	7574.7	6325.1	-333.8	-6316.3	6325.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
69	13900.00	91.44	266.97	100	7572.2	6425.1	-339.1	-6416.1	6425.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
70	14000.00	91.44	266.97	100	7569.7	6525.0	-344.4	-6515.9	6525.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
71	14100.00	91.44	266.97	100	7567.1	6625.0	-349.7	-6615.8	6625.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
72	14200.00	91.44	266.97	100	7564.6	6725.0	-355.0	-6715.6	6725.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
73	14300.00	91.44	266.97	100	7562.1	6824.9	-360.2	-6815.4	6824.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
74	14400.00	91.44	266.97	100	7559.6	6924.9	-365.5	-6915.3	6924.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
75	14500.00	91.44	266.97	100	7557.1	7024.9	-370.8	-7015.1	7024.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
76	14600.00	91.44	266.97	100	7554.6	7124.9	-376.1	-7114.9	7124.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
77	14700.00	91.44	266.97	100	7552.1	7224.8	-381.3	-7214.7	7224.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
78	14800.00	91.44	266.97	100	7549.6	7324.8	-386.6	-7314.6	7324.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
79	14900.00	91.44	266.97	100	7547.1	7424.8	-391.9	-7414.4	7424.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
80	15000.00	91.44	266.97	100	7544.5	7524.7	-397.2	-7514.2	7524.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
81	15100.00	91.44	266.97	100	7542.0	7624.7	-402.4	-7614.1	7624.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
82	15200.00	91.44	266.97	100	7539.5	7724.7	-407.7	-7713.9	7724.7	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
83	15300.00	91.44	266.97	100	7537.0	7824.6	-413.0	-7813.7	7824.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
84	15400.00	91.44	266.97	100	7534.5	7924.6	-418.3	-7913.6	7924.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
85	15500.00	91.44	266.97	100	7532.0	8024.6	-423.5	-8013.4	8024.6	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
86	15600.00	91.44	266.97	100	7529.5	8124.5	-428.8	-8113.2	8124.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
87	15700.00	91.44	266.97	100	7527.0	8224.5	-434.1	-8213.0	8224.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
88	15800.00	91.44	266.97	100	7524.5	8324.5	-439.4	-8312.9	8324.5	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
89	15900.00	91.44	266.97	100	7521.9	8424.4	-444.6	-8412.7	8424.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
90	16000.00	91.44	266.97	100	7519.4	8524.4	-449.9	-8512.5	8524.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
91	16100.00	91.44	266.97	100	7516.9	8624.4	-455.2	-8612.4	8624.4	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
92	16200.00	91.44	266.97	100	7514.4	8724.3	-460.5	-8712.2	8724.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
93	16300.00	91.44	266.97	100	7511.9	8824.3	-465.8	-8812.0	8824.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
94	16400.00	91.44	266.97	100	7509.4	8924.3	-471.0	-8911.8	8924.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
95	16500.00	91.44	266.97	100	7506.9	9024.3	-476.3	-9011.7	9024.3	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
96	16600.00	91.44	266.97	100	7504.4	9124.2	-481.6	-9111.5	9124.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
97	16700.00	91.44	266.97	100	7501.9	9224.2	-486.9	-9211.3	9224.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
98	16800.00	91.44	266.97	100	7499.3	9324.2	-492.1	-9311.2	9324.2	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
99	16900.00	91.44	266.97	100	7496.8	9424.1	-497.4	-9411.0	9424.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
100	17000.00	91.44	266.97	100	7494.3	9524.1	-502.7	-9510.8	9524.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
101	17100.00	91.44	266.97	100	7491.8	9624.1	-508.0	-9610.6	9624.1	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
102	17200.00	91.44	266.97	100	7489.3	9724.0	-513.2	-9710.5	9724.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
103	17300.00	91.44	266.97	100	7486.8	9824.0	-518.5	-9810.3	9824.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
104	17400.00	91.44	266.97	100	7484.3	9924.0	-523.8	-9910.1	9924.0	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
105	17500.00	91.44	266.97	100	7481.8	10023.9	-529.1	-10010.0	10023.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
106	17600.00	91.44	266.97	100	7479.3	10123.9	-534.3	-10109.8	10123.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
107	17700.00	91.44	266.97	100	7476.7	10223.9	-539.6	-10209.6	10223.9	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10
108	17798.98	91.44	266.97	98.979	7474.3	10322.8	-544.8	-10308.4	10322.8	267.0	0.0	0.0	7733.6	-14.6	1.59591	4.66	1E-10

Desert Eagle 1/2 B3AD Fed Com #1H





Desert Eagle 1/2 W0EH Fed Com #1H

