

CASE NOS. 22837-22840

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

MEWBOURNE OIL COMPANY'S EXHIBIT LIST

PART II

1. Application and Proposed Notice
2. Landman's Affidavit
3. Geologist's Affidavit
4. Affidavit of Mailing
5. Publication Notice
6. Pooling Checklist

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. 22837 - 22840

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. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in these cases. I have testified before the Division as a petroleum geologist and my credentials as an expert were accepted of record.

3. In these cases Mewbourne seeks to pool, collectively, all of Sections 35 and 36, Township 18 South, Range 28 East, NMPM as to the Bone Spring formation.

4. The following geological plats are attached hereto:

Second Bone Spring Sand

(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 most 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 Second Bone Spring Sand is continuous and uniformly thick across the well units.

(d) Attachment D contains information from Second Bone Spring Sand wells drilled in this area. Laydown wells are the preferred orientation for wells in this area.

EXHIBIT 3

Third Bone Spring Sand

(e) Attachment A is a structure map on the top of the Wolfcamp formation (the base of the Third Bone Spring Sand). It shows that structure dips gently to the southeast. It also shows Third Bone Spring wells in the area, and a line of cross-section.

(f) Attachment F is a Third Bone Spring Sand Gross Thickness Isopach, which is the target zone for two of the proposed wells.

(g) Attachment G is a cross section of the Third Bone Spring Sand. The well logs on the cross-section give a representative sample of the Third Bone Spring Sand in this area. The Third Bone Spring Sand is continuous and uniformly thick across the well units.

(h) Attachment H contains information from Second Bone Spring Sand wells drilled in this area. Laydown wells are the preferred orientation for wells in this area.

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 of the Bone Spring 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.

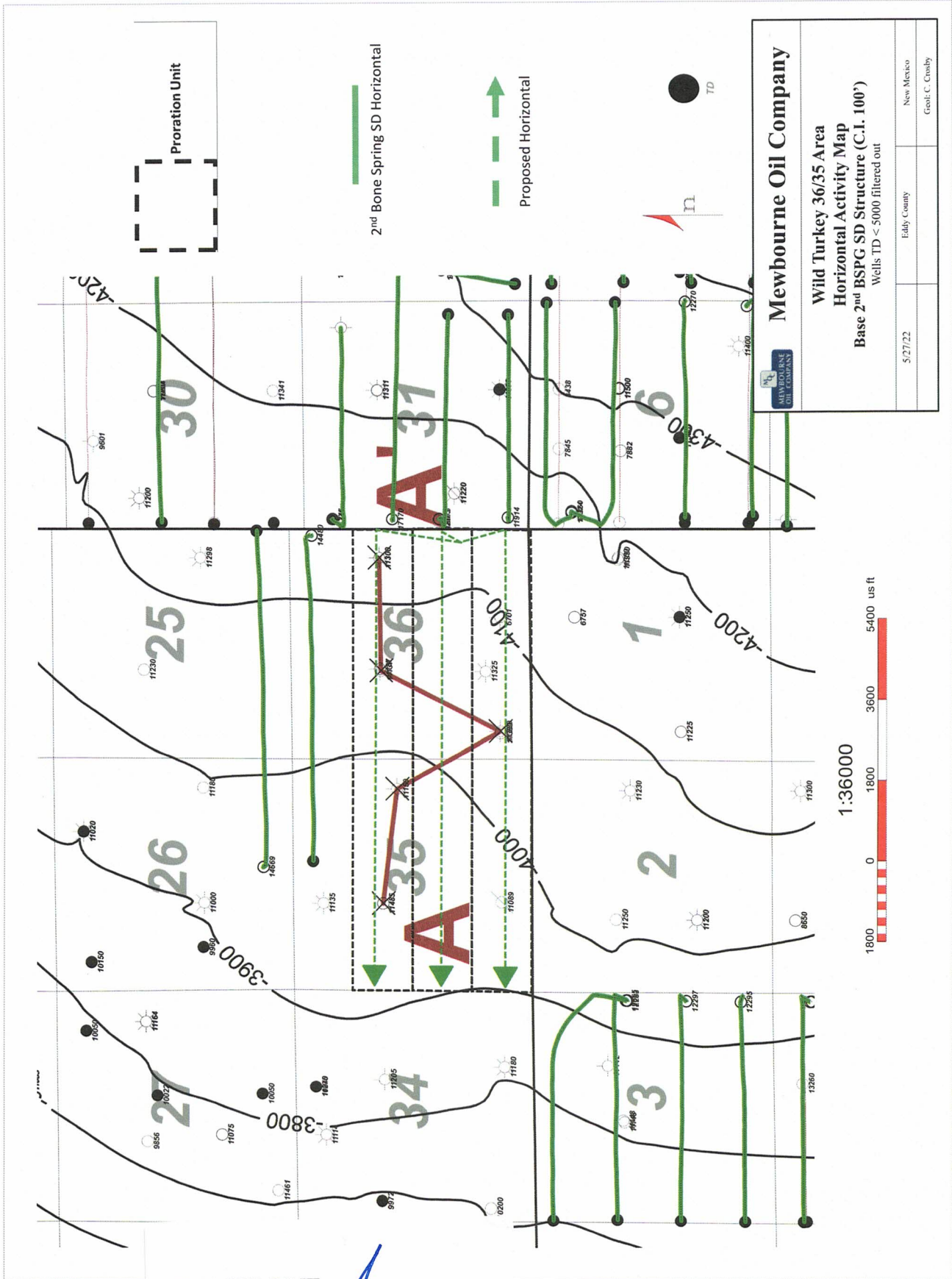
6. Attachment I contains the survey calculation reports for the proposed wells. The producing intervals of the wells will be orthodox.

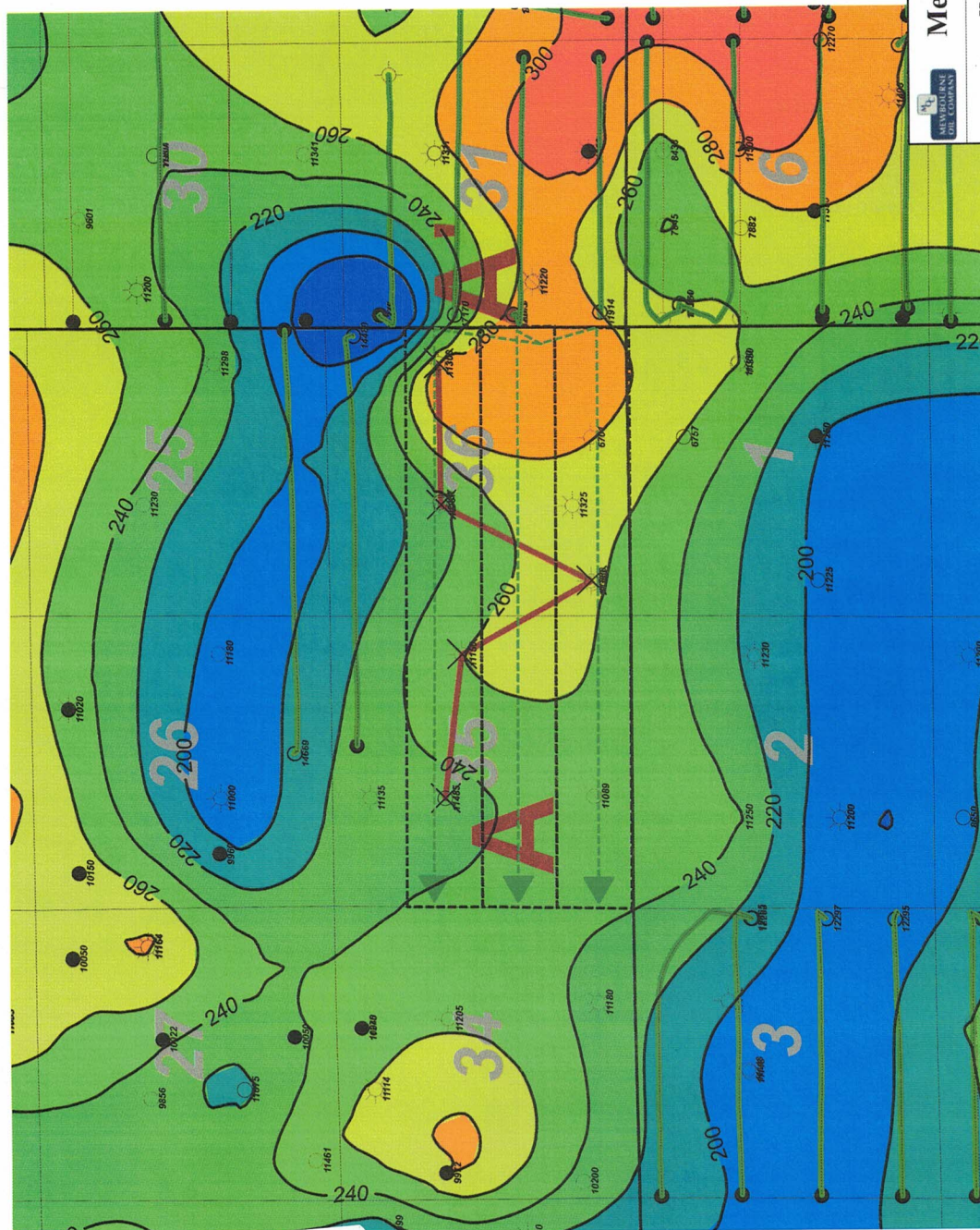
I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through 6 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 5/31/22



Charles Crosby





2nd Bone Spring SD Horizontal

Proposed Horizontal



Mewbourne Oil Company

Wild Turkey 36/35 Area
Horizontal/Activity Map
2nd BSPG SD Gross Thickness Isopach (C.I. 20')
Wells TD < 5000 filtered out

5/27/22	Eddy County	New Mexico	Geol. C. Crosby
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ATTACHMENT

3

A' E

3001522500000
ANADARKO PINE CO
STATE AC COM 1
1807 FN 650 TEL
TWP: 19 S - Range 28 E - Sec. 35

3001523000000
ANADARKO PINE CO
STATE AC COM 1
1807 FN 650 TEL
TWP: 19 S - Range 28 E - Sec. 36

3001523500000
ANADARKO PINE CO
STATE AC COM 1
1807 FN 650 TEL
TWP: 19 S - Range 28 E - Sec. 36

3001524000000
ANADARKO PINE CO
STATE AC COM 1
1807 FN 650 TEL
TWP: 19 S - Range 28 E - Sec. 35

3001524500000
ANADARKO PINE CO
STATE AC COM 1
1807 FN 650 TEL
TWP: 19 S - Range 28 E - Sec. 35

3001525000000
ANADARKO PINE CO
STATE AC COM 1
1807 FN 650 TEL
TWP: 19 S - Range 28 E - Sec. 35

3001525500000
ANADARKO PINE CO
STATE AC COM 1
1807 FN 650 TEL
TWP: 19 S - Range 28 E - Sec. 35

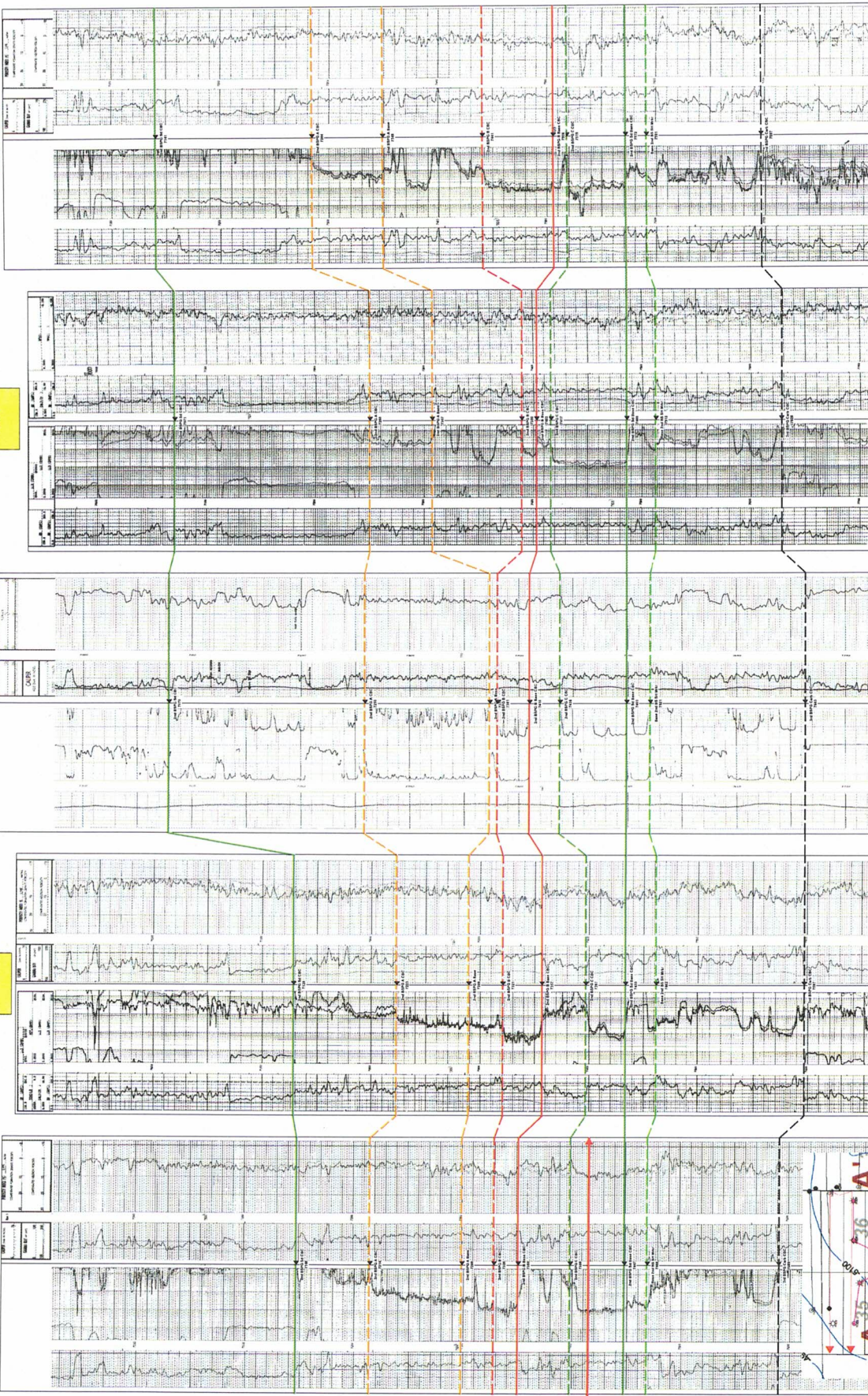
36H

36F

36M

35H

35F



Wild Turkey 2nd BSPFG SD Cross Section Exhibit (A-A')

ATTACHMENT C

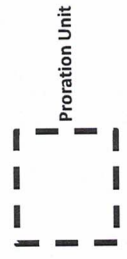
Wild Turkey Area 2nd BSPG SD Production Table

Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Pavo Macho 31/32 B2EH Federal Com 1H	Mewbourne	30015437840000	31E/18S/29E	2/5/2018	442.3	1.10	972.3	EW	2nd Bone Spring Sand
Pavo Macho 31 B2MP Federal 1H	Mewbourne	30015437860000	31M/18S/29E	9/16/2016	211.8	0.65	299.4	EW	2nd Bone Spring Sand
Pavo Macho 31/32 B2DA Federal Com 1H	Mewbourne	30015437870000	31D/18S/29E	10/4/2018	283.1	0.76	1000.8	EW	2nd Bone Spring Sand
Pavo Macho 31 B2LI Federal Com 1H	Mewbourne	30015440660000	31L/18S/29E	6/27/2017	195.8	0.58	294.0	EW	2nd Bone Spring Sand
SST 6 State 124H	Matador	30015443240000	6P/19S/29E	5/15/2018	209.6	0.68	343.4	EW	2nd Bone Spring Sand
SST 6 State 123H	Matador	30015443250000	6I/19S/29E	6/15/2018	283.5	1.14	284.5	EW	2nd Bone Spring Sand
SST 6 State Com 121H	Matador	30015453680000	6D/19S/29E	4/29/2019	107.0	0.48	170.6	EW	2nd Bone Spring Sand
SST 6 State Com 122H	Matador	30015453690000	6D/19S/29E	5/1/2019	143.5	0.61	164.6	EW	2nd Bone Spring Sand
Pavo Frio 29/30 B2FE Federal Com 1H	Mewbourne	30015454050000	29F/18S/29E	7/23/2019	179.6	0.46	1320.5	EW	2nd Bone Spring Sand
Turkey Track 8/7 State 201H	Oxy	30015456810000	9D/19S/29E	12/11/2019	169.4	0.86	266.3	EW	2nd Bone Spring Sand
Palmillo 10 State Com 234H	Apache	30015457920000	10A/19S/28E	8/19/2021	74.5	0.24	255.5	EW	2nd Bone Spring Sand
Palmillo 3 State Com 241H	Apache	30015457990000	3P/19S/28E	8/23/2021	91.9	0.39	273.7	EW	2nd Bone Spring Sand
Palmillo 3 State 242H	Apache	30015458000000	3I/19S/28E	8/23/2021	156.4	0.63	260.8	EW	2nd Bone Spring Sand
Palmillo 3 State Com 243H	Apache	30015458010000	3H/19S/28E	8/19/2021	136.1	0.55	198.7	EW	2nd Bone Spring Sand
Palmillo 3 State Com 244H	Apache	30015458020000	3H/19S/28E	1/19/2022	171.3	0.68	211.5	EW	2nd Bone Spring Sand

D

ATTACHMENT

ATTACHMENT



Proration Unit

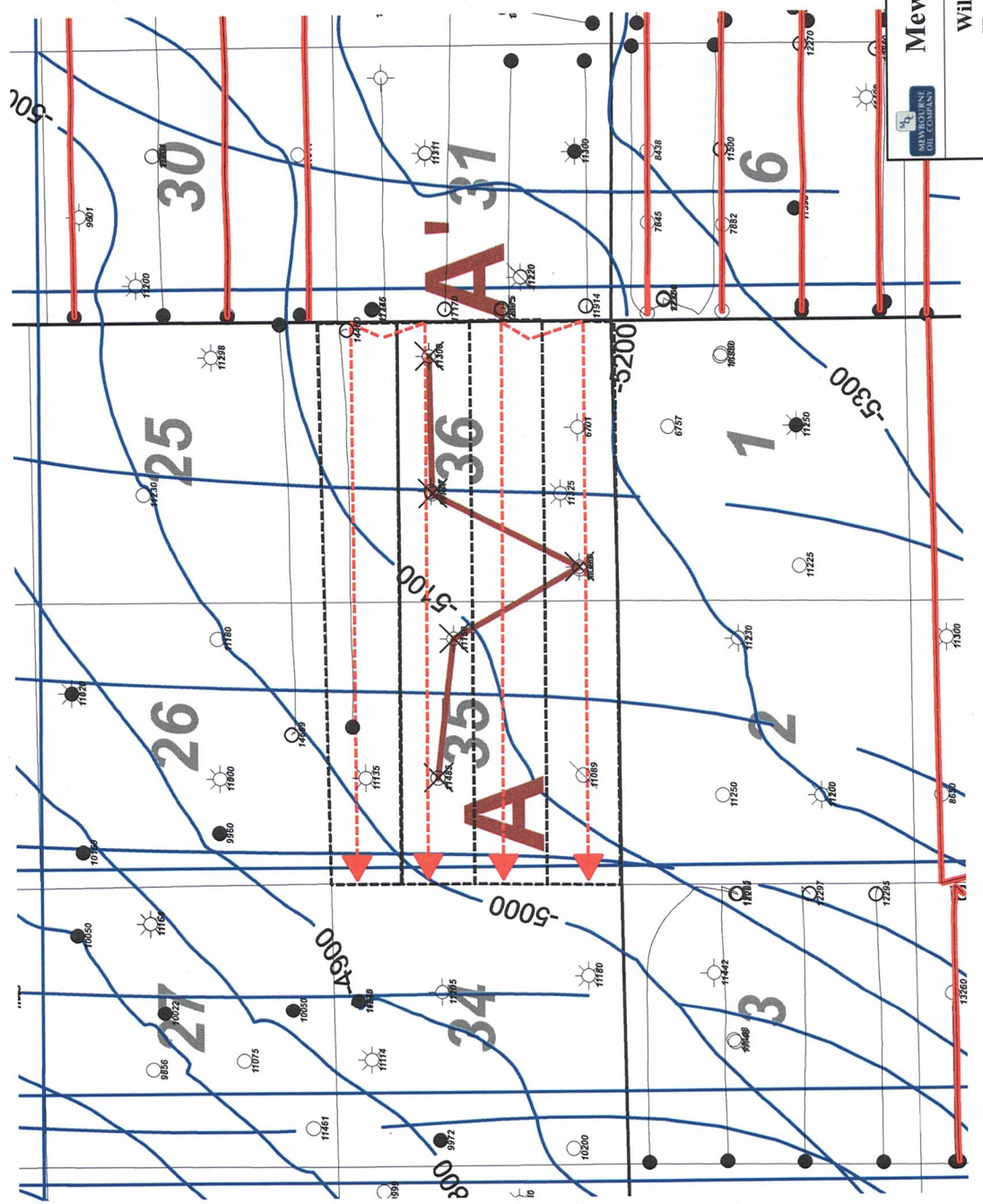
3rd Bone Spring SD Horizontal



Proposed Horizontal



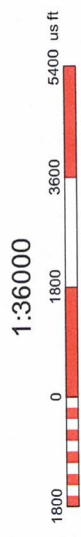
TD

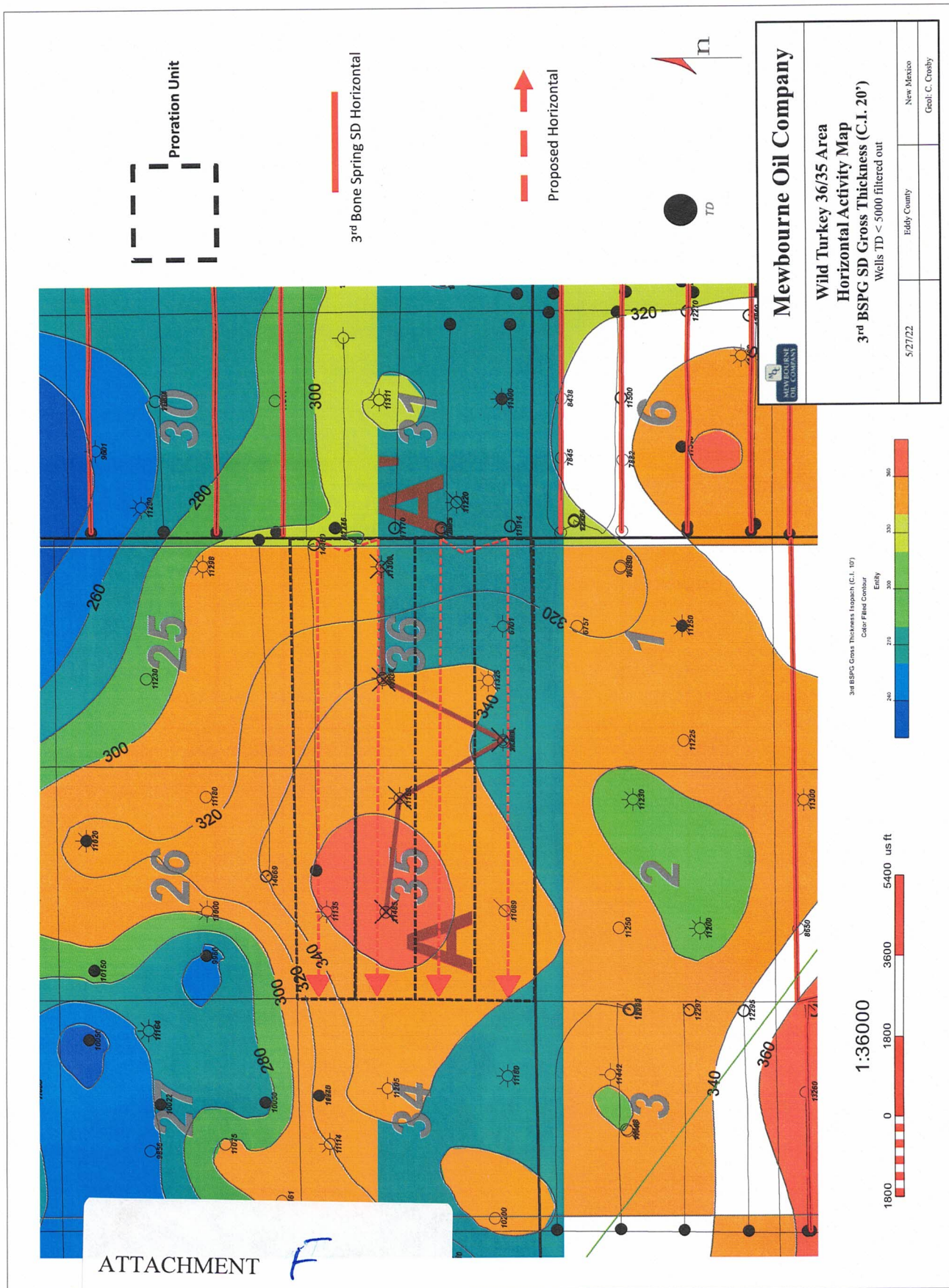


Mewbourne Oil Company

Wild Turkey 36/35 Area
Horizontal Activity Map
Top Wolfcamp Structure (C.I. 100')
Wells TD < 5000 filtered out

5/27/22	Eddy County	New Mexico
		Geol.: C. Crosby





A' E

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

300152000000
2517 E
AMARCO PRODD CO
SHERWOOD UNIT
DALLAS, TX 75243-0001
TWP. 18 S - Range 28 E - Sec. 36

A W

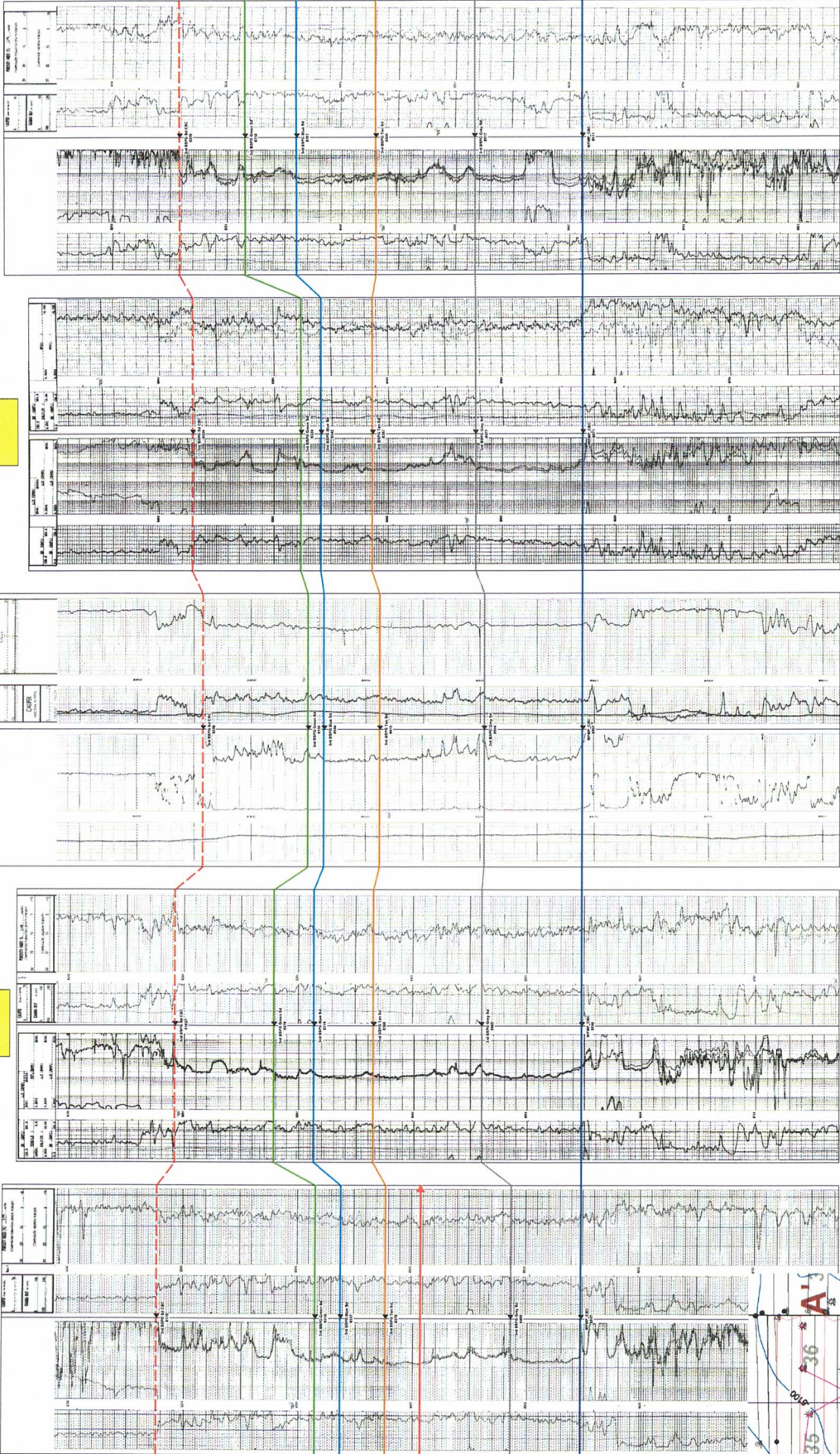
36H

36F

36M

35H

35F



Wild Turkey 36/35 3rd BSPG SD
Cross Section Exhibit (A-A)

ATTACHMENT 6

Wild Turkey Area 3rd BSPG SD Production Table

Well Name	Operator	API	Location	Completion Date	Cum Oil (Mbo)	Cum Gas (Bcf)	Cum Water (Mbw)	NS/EW	Production Zone
Turkey Track 8/7 State 31H	Oxy	3001542660000	9D/19S/29E	12/11/2019	441.1	1.37	480.7	EW	3rd Bone Spring Sand
Pavo Frio 29/30 B3CD Federal Com 1H	Mewbourne	30015454060000	29B/18S/29E	10/1/2020	192.6	0.35	870.7	EW	3rd Bone Spring Sand
Palmito 10 State Com 335H	Apache	30015457950000	10A/19S/28E	8/23/2021	108.6	0.46	266.2	EW	3rd Bone Spring Sand
Gobbler 5/6 B3PM State Com 2H	Mewbourne	30015467250000	5P/19S/29E	8/12/2021	131.2	0.29	234.8	EW	3rd Bone Spring Sand
Gobbler 5/6 B3L State Com 2H	Mewbourne	30015467260000	5P/19S/29E	8/12/2021	233.7	0.43	350.3	EW	3rd Bone Spring Sand
Pavo Frio 29/30 B3KL Federal Com 1H	Mewbourne	30015476110000	29N/18S/29E	8/1/2021	132.5	0.26	262.9	EW	3rd Bone Spring Sand
Gobbler 5/6 B3HE State Com 2H	Mewbourne	30015478820000	5H/19S/29E		Pending			EW	3rd Bone Spring Sand
Gobbler 5/6 B3AD State Com 2H	Mewbourne	30015478830000	5H/19S/29E		Pending			EW	3rd Bone Spring Sand
Bourbon Red 11/12 B3DA State Com 1H	Mewbourne	30015480710000	11D/19S/28E		Pending			EW	3rd Bone Spring Sand
Pavo Frio 29/30 B3NM Federal Com 1H	Mewbourne	30015459950000	29N/18S/29E	9/1/2021	160.9	0.44	264.5	EW	3rd Bone Spring Sand
Pavo Frio 29/28 B3OP Federal Com 2H	Mewbourne	30015459940000	29N/18S/29E	9/21/2021	159.8	0.31	181.6	EW	3rd Bone Spring Sand

ATTACHMENT **H**

Mewbourne Oil Company

ATTACHMENT **I**

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
 Lease Name: Wild Turkey 36/35 B3AD State Com 1H
 KOP 7871.04
 SL: 1100 FNL & 260 FEL; Sec 36A/18S/28E
 PBHL: 500 FNL & 100 FWL; Sec 35D/18S/28E

Target KBTVD: 8,444 Feet 8444.00
 Target Angle: 91.07 Degrees 91.07
 Section Plane: 272.79 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	Target		
T/1	7871.04	0.00	272.79	N/A	7871.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7871.0	573.0	1E-12	4.76	#VALUE!
1	7962.11	9.11	272.79	91.072	7961.7	7.2	0.4	-7.2	272.8	10.0	10.0	10.0	7961.9	482.1	0.1589507	4.76	0.1589507
2	8053.19	18.21	272.79	91.072	8050.1	28.7	1.4	-28.7	272.8	10.0	10.0	10.0	8050.7	393.3	0.3179014	4.76	0.1589507
3	8144.26	27.32	272.79	91.072	8134.0	63.9	3.1	-63.8	272.8	10.0	10.0	10.0	8135.2	308.8	0.4768521	4.76	0.1589507
4	8235.33	36.43	272.79	91.072	8211.3	112.0	5.4	-111.8	272.8	10.0	10.0	10.0	8213.4	230.6	0.6358028	4.76	0.1589507
5	8326.40	45.54	272.79	91.072	8280.0	171.6	8.3	-171.4	272.8	10.0	10.0	10.0	8283.2	160.8	0.7947535	4.76	0.1589507
6	8417.47	54.64	272.79	91.072	8338.3	241.4	11.7	-241.1	272.8	10.0	10.0	10.0	8342.8	101.2	0.9537042	4.76	0.1589507
7	8508.55	63.75	272.79	91.072	8384.9	319.5	15.5	-319.2	272.8	10.0	10.0	10.0	8390.9	53.1	1.1126549	4.76	0.1589507
8	8599.62	72.86	272.79	91.072	8418.5	404.1	19.7	-403.6	272.8	10.0	10.0	10.0	8426.1	17.9	1.2716056	4.76	0.1589507
9	8690.69	81.96	272.79	91.072	8438.4	492.9	24.0	-492.3	272.8	10.0	10.0	10.0	8447.6	-3.6	1.4305563	4.76	0.1589507
10	8781.76	91.07	272.79	91.072	8443.9	583.7	28.4	-583.0	272.8	10.0	10.0	10.0	8454.8	-10.8	1.589507	4.76	0.1589507
11	8800.00	91.07	272.79	18.237	8443.6	601.9	29.3	-601.2	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
12	8900.00	91.07	272.79	100	8441.7	701.9	34.1	-701.1	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
13	9000.00	91.07	272.79	100	8439.8	801.9	39.0	-800.9	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
14	9100.00	91.07	272.79	100	8437.9	901.9	43.9	-900.8	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
15	9200.00	91.07	272.79	100	8436.1	1001.8	48.7	-1000.7	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
16	9300.00	91.07	272.79	100	8434.2	1101.8	53.6	-1100.5	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
17	9400.00	91.07	272.79	100	8432.3	1201.8	58.5	-1200.4	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
18	9500.00	91.07	272.79	100	8430.5	1301.8	63.3	-1300.2	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
19	9600.00	91.07	272.79	100	8428.6	1401.8	68.2	-1400.1	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
20	9700.00	91.07	272.79	100	8426.7	1501.8	73.1	-1500.0	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
21	9800.00	91.07	272.79	100	8424.8	1601.7	77.9	-1599.8	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
22	9900.00	91.07	272.79	100	8423.0	1701.7	82.8	-1699.7	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
23	10000.00	91.07	272.79	100	8421.1	1801.7	87.6	-1799.6	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
24	10100.00	91.07	272.79	100	8419.2	1901.7	92.5	-1899.4	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
25	10200.00	91.07	272.79	100	8417.4	2001.7	97.4	-1999.3	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
26	10300.00	91.07	272.79	100	8415.5	2101.6	102.2	-2099.2	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
27	10400.00	91.07	272.79	100	8413.6	2201.6	107.1	-2199.0	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
28	10500.00	91.07	272.79	100	8411.8	2301.6	112.0	-2298.9	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
29	10600.00	91.07	272.79	100	8409.9	2401.6	116.8	-2398.8	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
30	10700.00	91.07	272.79	100	8408.0	2501.6	121.7	-2498.6	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
31	10800.00	91.07	272.79	100	8406.1	2601.6	126.6	-2598.5	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
32	10900.00	91.07	272.79	100	8404.3	2701.5	131.4	-2698.3	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
33	11000.00	91.07	272.79	100	8402.4	2801.5	136.3	-2798.2	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
34	11100.00	91.07	272.79	100	8400.5	2901.5	141.1	-2898.1	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
35	11200.00	91.07	272.79	100	8398.7	3001.5	146.0	-2997.9	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
36	11300.00	91.07	272.79	100	8396.8	3101.5	150.9	-3097.8	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
37	11400.00	91.07	272.79	100	8394.9	3201.5	155.7	-3197.7	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
38	11500.00	91.07	272.79	100	8393.0	3301.4	160.6	-3297.5	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
39	11600.00	91.07	272.79	100	8391.2	3401.4	165.5	-3397.4	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
40	11700.00	91.07	272.79	100	8389.3	3501.4	170.3	-3497.3	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
41	11800.00	91.07	272.79	100	8387.4	3601.4	175.2	-3597.1	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
42	11900.00	91.07	272.79	100	8385.6	3701.4	180.1	-3697.0	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
43	12000.00	91.07	272.79	100	8383.7	3801.4	184.9	-3796.9	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
44	12100.00	91.07	272.79	100	8381.8	3901.3	189.8	-3896.7	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
45	12200.00	91.07	272.79	100	8379.9	4001.3	194.6	-3996.6	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
46	12300.00	91.07	272.79	100	8378.1	4101.3	199.5	-4096.4	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
47	12400.00	91.07	272.79	100	8376.2	4201.3	204.4	-4196.3	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
48	12500.00	91.07	272.79	100	8374.3	4301.3	209.2	-4296.2	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
49	12600.00	91.07	272.79	100	8372.5	4401.2	214.1	-4396.0	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
50	12700.00	91.07	272.79	100	8370.6	4501.2	219.0	-4495.9	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
51	12800.00	91.07	272.79	100	8368.7	4601.2	223.8	-4595.8	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
52	12900.00	91.07	272.79	100	8366.8	4701.2	228.7	-4695.6	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
53	13000.00	91.07	272.79	100	8365.0	4801.2	233.6	-4795.5	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
54	13100.00	91.07	272.79	100	8363.1	4901.2	238.4	-4895.4	272.8	0.0	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10

55	13200.00	91.07	272.79	100	8361.2	5001.1	243.3	-4995.2	5001.1	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
56	13300.00	91.07	272.79	100	8359.4	5101.1	248.1	-5095.1	5101.1	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
57	13400.00	91.07	272.79	100	8357.5	5201.1	253.0	-5194.9	5201.1	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
58	13500.00	91.07	272.79	100	8355.6	5301.1	257.9	-5294.8	5301.1	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
59	13600.00	91.07	272.79	100	8353.8	5401.1	262.7	-5394.7	5401.1	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
60	13700.00	91.07	272.79	100	8351.9	5501.1	267.6	-5494.5	5501.1	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
61	13800.00	91.07	272.79	100	8350.0	5601.0	272.5	-5594.4	5601.0	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
62	13900.00	91.07	272.79	100	8348.1	5701.0	277.3	-5694.3	5701.0	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
63	14000.00	91.07	272.79	100	8346.3	5801.0	282.2	-5794.1	5801.0	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
64	14100.00	91.07	272.79	100	8344.4	5901.0	287.1	-5894.0	5901.0	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
65	14200.00	91.07	272.79	100	8342.5	6001.0	291.9	-5993.9	6001.0	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
66	14300.00	91.07	272.79	100	8340.7	6100.9	296.8	-6093.7	6100.9	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
67	14400.00	91.07	272.79	100	8338.8	6200.9	301.6	-6193.6	6200.9	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
68	14500.00	91.07	272.79	100	8336.9	6300.9	306.5	-6293.5	6300.9	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
69	14600.00	91.07	272.79	100	8335.0	6400.9	311.4	-6393.3	6400.9	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
70	14700.00	91.07	272.79	100	8333.2	6500.9	316.2	-6493.2	6500.9	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
71	14800.00	91.07	272.79	100	8331.3	6600.9	321.1	-6593.0	6600.9	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
72	14900.00	91.07	272.79	100	8329.4	6700.8	326.0	-6692.9	6700.8	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
73	15000.00	91.07	272.79	100	8327.6	6800.8	330.8	-6792.8	6800.8	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
74	15100.00	91.07	272.79	100	8325.7	6900.8	335.7	-6892.6	6900.8	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
75	15200.00	91.07	272.79	100	8323.8	7000.8	340.6	-6992.5	7000.8	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
76	15300.00	91.07	272.79	100	8321.9	7100.8	345.4	-7092.4	7100.8	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
77	15400.00	91.07	272.79	100	8320.1	7200.8	350.3	-7192.2	7200.8	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
78	15500.00	91.07	272.79	100	8318.2	7300.7	355.2	-7292.1	7300.7	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
79	15600.00	91.07	272.79	100	8316.3	7400.7	360.0	-7392.0	7400.7	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
80	15700.00	91.07	272.79	100	8314.5	7500.7	364.9	-7491.8	7500.7	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
81	15800.00	91.07	272.79	100	8312.6	7600.7	369.7	-7591.7	7600.7	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
82	15900.00	91.07	272.79	100	8310.7	7700.7	374.6	-7691.6	7700.7	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
83	16000.00	91.07	272.79	100	8308.8	7800.7	379.5	-7791.4	7800.7	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
84	16100.00	91.07	272.79	100	8307.0	7900.6	384.3	-7891.3	7900.6	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
85	16200.00	91.07	272.79	100	8305.1	8000.6	389.2	-7991.1	8000.6	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
86	16300.00	91.07	272.79	100	8303.2	8100.6	394.1	-8091.0	8100.6	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
87	16400.00	91.07	272.79	100	8301.4	8200.6	398.9	-8190.9	8200.6	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
88	16500.00	91.07	272.79	100	8299.5	8300.6	403.8	-8290.7	8300.6	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
89	16600.00	91.07	272.79	100	8297.6	8400.5	408.7	-8390.6	8400.5	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
90	16700.00	91.07	272.79	100	8295.8	8500.5	413.5	-8490.5	8500.5	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
91	16800.00	91.07	272.79	100	8293.9	8600.5	418.4	-8590.3	8600.5	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
92	16900.00	91.07	272.79	100	8292.0	8700.5	423.2	-8690.2	8700.5	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
93	17000.00	91.07	272.79	100	8290.1	8800.5	428.1	-8790.1	8800.5	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
94	17100.00	91.07	272.79	100	8288.3	8900.5	433.0	-8889.9	8900.5	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
95	17200.00	91.07	272.79	100	8286.4	9000.4	437.8	-8989.8	9000.4	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
96	17300.00	91.07	272.79	100	8284.5	9100.4	442.7	-9089.6	9100.4	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
97	17400.00	91.07	272.79	100	8282.7	9200.4	447.6	-9189.5	9200.4	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
98	17500.00	91.07	272.79	100	8280.8	9300.4	452.4	-9289.4	9300.4	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
99	17600.00	91.07	272.79	100	8278.9	9400.4	457.3	-9389.2	9400.4	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
100	17700.00	91.07	272.79	100	8277.0	9500.4	462.2	-9489.1	9500.4	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
101	17800.00	91.07	272.79	100	8275.2	9600.3	467.0	-9589.0	9600.3	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
102	17900.00	91.07	272.79	100	8273.3	9700.3	471.9	-9688.8	9700.3	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
103	18000.00	91.07	272.79	100	8271.4	9800.3	476.7	-9788.7	9800.3	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
104	18100.00	91.07	272.79	100	8269.6	9900.3	481.6	-9888.6	9900.3	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
105	18122.89	91.07	272.79	22.885	8269.1	9923.2	482.7	-9911.4	9923.2	272.8	0.0	0.0	8454.8	-10.8	1.589507	4.76	1E-10
106	18122.89	91.07	272.79	0	8269.1	9923.2	482.7	-9911.4	9923.2	272.8	#DIV/0!	#DIV/0!	8454.8	-10.8	1.589507	4.76	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Wild Turkey 36/35 B2HE State Com 1H
KOP 6928.04
SL: 1500 FSL & 290 FEL; Sec 36/18S/28E
PBHL: 1700 FNL & 100 FWL; Sec 35E/18S/28E

Target KBTVD: 7,501 Feet 7501.00
Target Angle: 91.20 Degrees 91.20
Section Plane: 281.38 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	+Above -Below			DRIFT (RADIANS)	AZIMUTH (RADIANS)
													KBTVD	Target			
T/I	6928.04	0.00	281.38	N/A	6928.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	6928.0	573.0	1E-12	4.91	#VALUE!
1	7019.25	9.12	281.38	91.205	7018.9	7.2	1.4	-7.1	7.2	281.4	10.0	10.0	7019.0	482.0	0.159182	4.91	0.159182
2	7110.45	18.24	281.38	91.205	7107.4	28.8	5.7	-28.2	28.8	281.4	10.0	10.0	7108.0	393.0	0.318364	4.91	0.159182
3	7201.66	27.36	281.38	91.205	7191.4	64.1	12.6	-62.8	64.1	281.4	10.0	10.0	7192.7	308.3	0.477546	4.91	0.159182
4	7292.86	36.48	281.38	91.205	7268.7	112.3	22.2	-110.1	112.3	281.4	10.0	10.0	7271.1	229.9	0.636728	4.91	0.159182
5	7384.07	45.60	281.38	91.205	7337.4	172.1	34.0	-168.7	172.1	281.4	10.0	10.0	7341.0	160.0	0.795991	4.91	0.159182
6	7475.27	54.72	281.38	91.205	7395.8	242.1	47.8	-237.3	242.1	281.4	10.0	10.0	7400.9	100.1	0.955092	4.91	0.159182
7	7566.47	63.84	281.38	91.205	7442.3	320.4	63.2	-314.1	320.4	281.4	10.0	10.0	7449.1	51.9	1.114274	4.91	0.159182
8	7657.68	72.96	281.38	91.205	7475.9	405.1	79.9	-397.1	405.1	281.4	10.0	10.0	7484.4	16.6	1.273456	4.91	0.159182
9	7748.88	82.08	281.38	91.205	7495.5	494.1	97.5	-484.3	494.1	281.4	10.0	10.0	7505.9	-4.9	1.432638	4.91	0.159182
10	7840.09	91.20	281.38	91.205	7500.9	585.0	115.4	-573.5	585.0	281.4	10.0	10.0	7513.2	-12.2	1.59182	4.91	0.159182
11	7900.00	91.20	281.38	59.912	7499.6	644.9	127.3	-632.2	644.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
12	8000.00	91.20	281.38	100	7497.5	744.9	147.0	-730.2	744.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
13	8100.00	91.20	281.38	100	7495.4	844.9	166.7	-828.2	844.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
14	8200.00	91.20	281.38	100	7493.3	944.8	186.5	-926.3	944.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
15	8300.00	91.20	281.38	100	7491.2	1044.8	206.2	-1024.3	1044.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
16	8400.00	91.20	281.38	100	7489.1	1144.8	225.9	-1122.3	1144.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
17	8500.00	91.20	281.38	100	7487.0	1244.8	245.6	-1220.3	1244.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
18	8600.00	91.20	281.38	100	7484.9	1344.7	265.4	-1318.3	1344.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
19	8700.00	91.20	281.38	100	7482.8	1444.7	285.1	-1416.3	1444.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
20	8800.00	91.20	281.38	100	7480.7	1544.7	304.8	-1514.3	1544.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
21	8900.00	91.20	281.38	100	7478.6	1644.7	324.6	-1612.3	1644.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
22	9000.00	91.20	281.38	100	7476.5	1744.7	344.3	-1710.3	1744.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
23	9100.00	91.20	281.38	100	7474.4	1844.6	364.0	-1808.4	1844.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
24	9200.00	91.20	281.38	100	7472.3	1944.6	383.8	-1906.4	1944.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
25	9300.00	91.20	281.38	100	7470.2	2044.6	403.5	-2004.4	2044.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
26	9400.00	91.20	281.38	100	7468.1	2144.6	423.2	-2102.4	2144.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
27	9500.00	91.20	281.38	100	7466.0	2244.5	443.0	-2200.4	2244.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
28	9600.00	91.20	281.38	100	7463.9	2344.5	462.7	-2298.4	2344.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
29	9700.00	91.20	281.38	100	7461.8	2444.5	482.4	-2396.4	2444.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
30	9800.00	91.20	281.38	100	7459.7	2544.5	502.1	-2494.4	2544.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
31	9900.00	91.20	281.38	100	7457.6	2644.5	521.9	-2592.5	2644.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
32	10000.00	91.20	281.38	100	7455.5	2744.4	541.6	-2690.5	2744.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
33	10100.00	91.20	281.38	100	7453.4	2844.4	561.3	-2788.5	2844.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
34	10200.00	91.20	281.38	100	7451.3	2944.4	581.1	-2886.5	2944.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
35	10300.00	91.20	281.38	100	7449.2	3044.4	600.8	-2984.5	3044.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
36	10400.00	91.20	281.38	100	7447.1	3144.3	620.5	-3082.5	3144.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
37	10500.00	91.20	281.38	100	7445.0	3244.3	640.3	-3180.5	3244.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
38	10600.00	91.20	281.38	100	7442.9	3344.3	660.0	-3278.5	3344.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
39	10700.00	91.20	281.38	100	7440.8	3444.3	679.7	-3376.5	3444.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
40	10800.00	91.20	281.38	100	7438.6	3544.3	699.4	-3474.6	3544.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
41	10900.00	91.20	281.38	100	7436.5	3644.2	719.2	-3572.6	3644.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
42	11000.00	91.20	281.38	100	7434.4	3744.2	738.9	-3670.6	3744.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
43	11100.00	91.20	281.38	100	7432.3	3844.2	758.6	-3768.6	3844.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
44	11200.00	91.20	281.38	100	7430.2	3944.2	778.4	-3866.6	3944.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
45	11300.00	91.20	281.38	100	7428.1	4044.2	798.1	-3964.6	4044.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
46	11400.00	91.20	281.38	100	7426.0	4144.1	817.8	-4062.6	4144.1	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
47	11500.00	91.20	281.38	100	7423.9	4244.1	837.6	-4160.6	4244.1	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
48	11600.00	91.20	281.38	100	7421.8	4344.1	857.3	-4258.7	4344.1	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
49	11700.00	91.20	281.38	100	7419.7	4444.1	877.0	-4356.7	4444.1	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
50	11800.00	91.20	281.38	100	7417.6	4544.0	896.7	-4454.7	4544.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
51	11900.00	91.20	281.38	100	7415.5	4644.0	916.5	-4552.7	4644.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
52	12000.00	91.20	281.38	100	7413.4	4744.0	936.2	-4650.7	4744.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
53	12100.00	91.20	281.38	100	7411.3	4844.0	955.9	-4748.7	4844.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
54	12200.00	91.20	281.38	100	7409.2	4944.0	975.7	-4846.7	4944.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
55	12300.00	91.20	281.38	100	7407.1	5043.9	995.4	-4944.7	5043.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
56	12400.00	91.20	281.38	100	7405.0	5143.9	1015.1	-5042.7	5143.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	

57	12500.00	91.20	281.38	100	7402.9	5243.9	1034.9	-5140.8	5243.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
58	12600.00	91.20	281.38	100	7400.8	5343.9	1054.6	-5238.8	5343.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
59	12700.00	91.20	281.38	100	7398.7	5443.8	1074.3	-5336.8	5443.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
60	12800.00	91.20	281.38	100	7396.6	5543.8	1094.0	-5434.8	5543.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
61	12900.00	91.20	281.38	100	7394.5	5643.8	1113.8	-5532.8	5643.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
62	13000.00	91.20	281.38	100	7392.4	5743.8	1133.5	-5630.8	5743.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
63	13100.00	91.20	281.38	100	7390.3	5843.8	1153.2	-5728.8	5843.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
64	13200.00	91.20	281.38	100	7388.2	5943.7	1173.0	-5826.8	5943.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
65	13300.00	91.20	281.38	100	7386.1	6043.7	1192.7	-5924.9	6043.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
66	13400.00	91.20	281.38	100	7384.0	6143.7	1212.4	-6022.9	6143.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
67	13500.00	91.20	281.38	100	7381.9	6243.7	1232.2	-6120.9	6243.7	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
68	13600.00	91.20	281.38	100	7379.8	6343.6	1251.9	-6218.9	6343.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
69	13700.00	91.20	281.38	100	7377.7	6443.6	1271.6	-6316.9	6443.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
70	13800.00	91.20	281.38	100	7375.6	6543.6	1291.3	-6414.9	6543.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
71	13900.00	91.20	281.38	100	7373.5	6643.6	1311.1	-6512.9	6643.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
72	14000.00	91.20	281.38	100	7371.4	6743.6	1330.8	-6610.9	6743.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
73	14100.00	91.20	281.38	100	7369.3	6843.5	1350.5	-6708.9	6843.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
74	14200.00	91.20	281.38	100	7367.2	6943.5	1370.3	-6807.0	6943.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
75	14300.00	91.20	281.38	100	7365.1	7043.5	1390.0	-6905.0	7043.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
76	14400.00	91.20	281.38	100	7363.0	7143.5	1409.7	-7003.0	7143.5	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
77	14500.00	91.20	281.38	100	7360.9	7243.4	1429.5	-7101.0	7243.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
78	14600.00	91.20	281.38	100	7358.8	7343.4	1449.2	-7199.0	7343.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
79	14700.00	91.20	281.38	100	7356.7	7443.4	1468.9	-7297.0	7443.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
80	14800.00	91.20	281.38	100	7354.6	7543.4	1488.6	-7395.0	7543.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
81	14900.00	91.20	281.38	100	7352.5	7643.4	1508.4	-7493.0	7643.4	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
82	15000.00	91.20	281.38	100	7350.4	7743.3	1528.1	-7591.1	7743.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
83	15100.00	91.20	281.38	100	7348.3	7843.3	1547.8	-7689.1	7843.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
84	15200.00	91.20	281.38	100	7346.2	7943.3	1567.6	-7787.1	7943.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
85	15300.00	91.20	281.38	100	7344.1	8043.3	1587.3	-7885.1	8043.3	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
86	15400.00	91.20	281.38	100	7341.9	8143.2	1607.0	-7983.1	8143.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
87	15500.00	91.20	281.38	100	7339.8	8243.2	1626.8	-8081.1	8243.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
88	15600.00	91.20	281.38	100	7337.7	8343.2	1646.5	-8179.1	8343.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
89	15700.00	91.20	281.38	100	7335.6	8443.2	1666.2	-8277.1	8443.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
90	15800.00	91.20	281.38	100	7333.5	8543.2	1686.0	-8375.1	8543.2	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
91	15900.00	91.20	281.38	100	7331.4	8643.1	1705.7	-8473.2	8643.1	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
92	16000.00	91.20	281.38	100	7329.3	8743.1	1725.4	-8571.2	8743.1	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
93	16100.00	91.20	281.38	100	7327.2	8843.1	1745.1	-8669.2	8843.1	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
94	16200.00	91.20	281.38	100	7325.1	8943.1	1764.9	-8767.2	8943.1	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
95	16300.00	91.20	281.38	100	7323.0	9043.0	1784.6	-8865.2	9043.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
96	16400.00	91.20	281.38	100	7320.9	9143.0	1804.3	-8963.2	9143.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
97	16500.00	91.20	281.38	100	7318.8	9243.0	1824.1	-9061.2	9243.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
98	16600.00	91.20	281.38	100	7316.7	9343.0	1843.8	-9159.2	9343.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
99	16700.00	91.20	281.38	100	7314.6	9443.0	1863.5	-9257.3	9443.0	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
100	16800.00	91.20	281.38	100	7312.5	9542.9	1883.3	-9355.3	9542.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
101	16900.00	91.20	281.38	100	7310.4	9642.9	1903.0	-9453.3	9642.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
102	17000.00	91.20	281.38	100	7308.3	9742.9	1922.7	-9551.3	9742.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
103	17100.00	91.20	281.38	100	7306.2	9842.9	1942.4	-9649.3	9842.9	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
104	17200.00	91.20	281.38	100	7304.1	9942.8	1962.2	-9747.3	9942.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
105	17300.00	91.20	281.38	100	7302.0	10042.8	1981.9	-9845.3	10042.8	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
106	17339.75	91.20	281.38	39.75	7301.2	10082.6	1989.7	-9884.3	10082.6	281.4	0.0	0.0	7513.2	-12.2	1.59182	4.91	1E-10
107	17339.75	91.20	281.38	0	7301.2	10082.6	1989.7	-9884.3	10082.6	281.4	#####	#####	7513.2	-12.2	1.59182	4.91	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: Wild Turkey 36/35 B3HE State Com 1H
KOP 7891.04
SL: 1160 FNL & 260 FEL; Sec 36A/18S/28E
PBHL: 1750 FNL & 100 FWL; Sec 35E/18S/28E

Target KBTVD: 8,464 Feet 8464.00
Target Angle: 90.98 Degrees 90.98
Section Plane: 265.92 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			
T/1	7891.04	0.00	265.92	N/A	7891.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	7891.0	573.0	1E-12	4.64	#VALUE!
1	7982.02	9.10	265.92	90.977	7981.6	7.2	-0.5	-7.2	7.2	265.9	10.0	10.0	7981.8	482.2	0.158785	4.64	0.1587849
2	8073.00	18.20	265.92	90.977	8070.0	28.6	-2.0	-28.6	28.6	265.9	10.0	10.0	8070.4	393.6	0.31757	4.64	0.1587849
3	8163.97	27.29	265.92	90.977	8153.8	63.8	-4.5	-63.6	63.8	265.9	10.0	10.0	8154.9	309.1	0.476355	4.64	0.1587849
4	8254.95	36.39	265.92	90.977	8231.0	111.7	-7.9	-111.5	111.7	265.9	10.0	10.0	8232.9	231.1	0.635139	4.64	0.1587849
5	8345.93	45.49	265.92	90.977	8299.6	171.3	-12.2	-170.9	171.3	265.9	10.0	10.0	8302.5	161.5	0.793924	4.64	0.1587849
6	8436.90	54.59	265.92	90.977	8358.0	240.9	-17.1	-240.3	240.9	265.9	10.0	10.0	8362.1	101.9	0.952709	4.64	0.1587849
7	8527.88	63.68	265.92	90.977	8404.6	319.0	-22.7	-318.1	319.0	265.9	10.0	10.0	8410.1	53.9	1.111494	4.64	0.1587849
8	8618.86	72.78	265.92	90.977	8438.3	403.4	-28.7	-402.3	403.4	265.9	10.0	10.0	8445.2	18.8	1.270279	4.64	0.1587849
9	8709.84	81.88	265.92	90.977	8458.3	492.0	-35.0	-490.8	492.0	265.9	10.0	10.0	8466.6	-2.6	1.429064	4.64	0.1587849
10	8800.81	90.98	265.92	90.977	8463.9	582.7	-41.4	-581.3	582.7	265.9	10.0	10.0	8473.9	-9.9	1.587849	4.64	0.1587849
11	8900.00	90.98	265.92	99.188	8462.2	681.9	-48.5	-680.2	681.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
12	9000.00	90.98	265.92	100	8460.5	781.9	-55.6	-779.9	781.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
13	9100.00	90.98	265.92	100	8458.8	881.9	-62.7	-879.6	881.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
14	9200.00	90.98	265.92	100	8457.1	981.9	-69.8	-979.4	981.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
15	9300.00	90.98	265.92	100	8455.4	1081.8	-76.9	-1079.1	1081.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
16	9400.00	90.98	265.92	100	8453.7	1181.8	-84.0	-1178.8	1181.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
17	9500.00	90.98	265.92	100	8452.0	1281.8	-91.1	-1278.6	1281.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
18	9600.00	90.98	265.92	100	8450.3	1381.8	-98.2	-1378.3	1381.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
19	9700.00	90.98	265.92	100	8448.6	1481.8	-105.3	-1478.0	1481.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
20	9800.00	90.98	265.92	100	8446.9	1581.8	-112.4	-1577.8	1581.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
21	9900.00	90.98	265.92	100	8445.2	1681.8	-119.5	-1677.5	1681.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
22	10000.00	90.98	265.92	100	8443.5	1781.7	-126.7	-1777.2	1781.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
23	10100.00	90.98	265.92	100	8441.8	1881.7	-133.8	-1877.0	1881.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
24	10200.00	90.98	265.92	100	8440.1	1981.7	-140.9	-1976.7	1981.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
25	10300.00	90.98	265.92	100	8438.4	2081.7	-148.0	-2076.4	2081.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
26	10400.00	90.98	265.92	100	8436.6	2181.7	-155.1	-2176.2	2181.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
27	10500.00	90.98	265.92	100	8434.9	2281.7	-162.2	-2275.9	2281.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
28	10600.00	90.98	265.92	100	8433.2	2381.7	-169.3	-2375.6	2381.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
29	10700.00	90.98	265.92	100	8431.5	2481.6	-176.4	-2475.4	2481.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
30	10800.00	90.98	265.92	100	8429.8	2581.6	-183.5	-2575.1	2581.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
31	10900.00	90.98	265.92	100	8428.1	2681.6	-190.6	-2674.8	2681.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
32	11000.00	90.98	265.92	100	8426.4	2781.6	-197.7	-2774.6	2781.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
33	11100.00	90.98	265.92	100	8424.7	2881.6	-204.8	-2874.3	2881.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
34	11200.00	90.98	265.92	100	8423.0	2981.6	-211.9	-2974.0	2981.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
35	11300.00	90.98	265.92	100	8421.3	3081.6	-219.1	-3073.8	3081.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
36	11400.00	90.98	265.92	100	8419.6	3181.5	-226.2	-3173.5	3181.5	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
37	11500.00	90.98	265.92	100	8417.9	3281.5	-233.3	-3273.2	3281.5	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
38	11600.00	90.98	265.92	100	8416.2	3381.5	-240.4	-3373.0	3381.5	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
39	11700.00	90.98	265.92	100	8414.5	3481.5	-247.5	-3472.7	3481.5	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
40	11800.00	90.98	265.92	100	8412.8	3581.5	-254.6	-3572.4	3581.5	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
41	11900.00	90.98	265.92	100	8411.1	3681.5	-261.7	-3672.2	3681.5	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
42	12000.00	90.98	265.92	100	8409.4	3781.4	-268.8	-3771.9	3781.4	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
43	12100.00	90.98	265.92	100	8407.7	3881.4	-275.9	-3871.6	3881.4	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
44	12200.00	90.98	265.92	100	8406.0	3981.4	-283.0	-3971.3	3981.4	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
45	12300.00	90.98	265.92	100	8404.3	4081.4	-290.1	-4071.1	4081.4	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
46	12400.00	90.98	265.92	100	8402.5	4181.4	-297.2	-4170.8	4181.4	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
47	12500.00	90.98	265.92	100	8400.8	4281.4	-304.3	-4270.5	4281.4	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
48	12600.00	90.98	265.92	100	8399.1	4381.4	-311.5	-4370.3	4381.4	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
49	12700.00	90.98	265.92	100	8397.4	4481.3	-318.6	-4470.0	4481.3	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
50	12800.00	90.98	265.92	100	8395.7	4581.3	-325.7	-4569.7	4581.3	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
51	12900.00	90.98	265.92	100	8394.0	4681.3	-332.8	-4669.5	4681.3	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
52	13000.00	90.98	265.92	100	8392.3	4781.3	-339.9	-4769.2	4781.3	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
53	13100.00	90.98	265.92	100	8390.6	4881.3	-347.0	-4868.9	4881.3	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
54	13200.00	90.98	265.92	100	8388.9	4981.3	-354.1	-4968.7	4981.3	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10

55	13300.00	90.98	265.92	100	8387.2	5081.3	-361.2	-5068.4	5081.3	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
56	13400.00	90.98	265.92	100	8385.5	5181.2	-368.3	-5168.1	5181.2	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
57	13500.00	90.98	265.92	100	8383.8	5281.2	-375.4	-5267.9	5281.2	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
58	13600.00	90.98	265.92	100	8382.1	5381.2	-382.5	-5367.6	5381.2	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
59	13700.00	90.98	265.92	100	8380.4	5481.2	-389.6	-5467.3	5481.2	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
60	13800.00	90.98	265.92	100	8378.7	5581.2	-396.7	-5567.1	5581.2	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
61	13900.00	90.98	265.92	100	8377.0	5681.2	-403.8	-5666.8	5681.2	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
62	14000.00	90.98	265.92	100	8375.3	5781.2	-411.0	-5766.5	5781.2	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
63	14100.00	90.98	265.92	100	8373.6	5881.1	-418.1	-5866.3	5881.1	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
64	14200.00	90.98	265.92	100	8371.9	5981.1	-425.2	-5966.0	5981.1	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
65	14300.00	90.98	265.92	100	8370.1	6081.1	-432.3	-6065.7	6081.1	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
66	14400.00	90.98	265.92	100	8368.4	6181.1	-439.4	-6165.5	6181.1	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
67	14500.00	90.98	265.92	100	8366.7	6281.1	-446.5	-6265.2	6281.1	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
68	14600.00	90.98	265.92	100	8365.0	6381.1	-453.6	-6364.9	6381.1	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
69	14700.00	90.98	265.92	100	8363.3	6481.1	-460.7	-6464.7	6481.1	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
70	14800.00	90.98	265.92	100	8361.6	6581.0	-467.8	-6564.4	6581.0	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
71	14900.00	90.98	265.92	100	8359.9	6681.0	-474.9	-6664.1	6681.0	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
72	15000.00	90.98	265.92	100	8358.2	6781.0	-482.0	-6763.9	6781.0	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
73	15100.00	90.98	265.92	100	8356.5	6881.0	-489.1	-6863.6	6881.0	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
74	15200.00	90.98	265.92	100	8354.8	6981.0	-496.2	-6963.3	6981.0	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
75	15300.00	90.98	265.92	100	8353.1	7081.0	-503.4	-7063.1	7081.0	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
76	15400.00	90.98	265.92	100	8351.4	7181.0	-510.5	-7162.8	7181.0	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
77	15500.00	90.98	265.92	100	8349.7	7280.9	-517.6	-7262.5	7280.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
78	15600.00	90.98	265.92	100	8348.0	7380.9	-524.7	-7362.3	7380.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
79	15700.00	90.98	265.92	100	8346.3	7480.9	-531.8	-7462.0	7480.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
80	15800.00	90.98	265.92	100	8344.6	7580.9	-538.9	-7561.7	7580.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
81	15900.00	90.98	265.92	100	8342.9	7680.9	-546.0	-7661.5	7680.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
82	16000.00	90.98	265.92	100	8341.2	7780.9	-553.1	-7761.2	7780.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
83	16100.00	90.98	265.92	100	8339.5	7880.9	-560.2	-7860.9	7880.9	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
84	16200.00	90.98	265.92	100	8337.7	7980.8	-567.3	-7960.6	7980.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
85	16300.00	90.98	265.92	100	8336.0	8080.8	-574.4	-8060.4	8080.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
86	16400.00	90.98	265.92	100	8334.3	8180.8	-581.5	-8160.1	8180.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
87	16500.00	90.98	265.92	100	8332.6	8280.8	-588.6	-8259.8	8280.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
88	16600.00	90.98	265.92	100	8330.9	8380.8	-595.8	-8359.6	8380.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
89	16700.00	90.98	265.92	100	8329.2	8480.8	-602.9	-8459.3	8480.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
90	16800.00	90.98	265.92	100	8327.5	8580.8	-610.0	-8559.0	8580.8	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
91	16900.00	90.98	265.92	100	8325.8	8680.7	-617.1	-8658.8	8680.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
92	17000.00	90.98	265.92	100	8324.1	8780.7	-624.2	-8758.5	8780.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
93	17100.00	90.98	265.92	100	8322.4	8880.7	-631.3	-8858.2	8880.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
94	17200.00	90.98	265.92	100	8320.7	8980.7	-638.4	-8958.0	8980.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
95	17300.00	90.98	265.92	100	8319.0	9080.7	-645.5	-9057.7	9080.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
96	17400.00	90.98	265.92	100	8317.3	9180.7	-652.6	-9157.4	9180.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
97	17500.00	90.98	265.92	100	8315.6	9280.7	-659.7	-9257.2	9280.7	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
98	17600.00	90.98	265.92	100	8313.9	9380.6	-666.8	-9356.9	9380.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
99	17700.00	90.98	265.92	100	8312.2	9480.6	-673.9	-9456.6	9480.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
100	17800.00	90.98	265.92	100	8310.5	9580.6	-681.0	-9556.4	9580.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
101	17900.00	90.98	265.92	100	8308.8	9680.6	-688.1	-9656.1	9680.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
102	18000.00	90.98	265.92	100	8307.1	9780.6	-695.3	-9755.8	9780.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
103	18100.00	90.98	265.92	100	8305.4	9880.6	-702.4	-9855.6	9880.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
104	18173.00	90.98	265.92	72.999	8304.1	9953.6	-707.6	-9928.4	9953.6	265.9	0.0	0.0	8473.9	-9.9	1.587849	4.64	1E-10
105	18173.00	90.98	265.92	0	8304.1	9953.6	-707.6	-9928.4	9953.6	265.9	#DIV/0!	#DIV/0!	8473.9	-9.9	1.587849	4.64	1E-10
106	18173.00	90.98	265.92	0	8304.1	9953.6	-707.6	-9928.4	9953.6	265.9	#DIV/0!	#DIV/0!	8473.9	-9.9	1.587849	4.64	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
 Lease Name: Wild Turkey 36/35 B2IL State Com 1H
 KOP 6915.04
 SL: 1480 FSL & 290 FEL; Sec 36/18S/29E
 PBHL: 2000 FSL & 100 FWL; Sec 35L/18S/28E

Target KBTVD: 7,488 Feet 7488.00
 Target Angle: 91.12 Degrees 91.12
 Section Plane: 272.52 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 (RADIAN)	AZIMUTH (RADIAN)
														-Below Target	DRIFT		
T/1	6915.04	0.00	272.52	N/A	6915.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	6915.0	573.0	1E-12	4.76	#VALUE!
1	7006.16	9.11	272.52	91.116	7005.8	7.2	0.3	-7.2	7.2	272.5	10.0	10.0	7005.9	482.1	0.15903	4.76	0.1590271
2	7097.27	18.22	272.52	91.116	7094.2	28.7	1.3	-28.7	28.7	272.5	10.0	10.0	7094.8	393.2	0.31805	4.76	0.1590271
3	7188.39	27.33	272.52	91.116	7178.1	64.0	2.8	-63.9	64.0	272.5	10.0	10.0	7179.4	308.6	0.47708	4.76	0.1590271
4	7279.51	36.45	272.52	91.116	7255.4	112.1	4.9	-112.0	112.1	272.5	10.0	10.0	7257.6	230.4	0.63611	4.76	0.1590271
5	7370.62	45.56	272.52	91.116	7324.1	171.8	7.5	-171.6	171.8	272.5	10.0	10.0	7327.5	160.5	0.79514	4.76	0.1590271
6	7461.74	54.67	272.52	91.116	7382.5	241.6	10.6	-241.4	241.6	272.5	10.0	10.0	7387.2	100.8	0.95416	4.76	0.1590271
7	7552.85	63.78	272.52	91.116	7429.0	319.8	14.1	-319.5	319.8	272.5	10.0	10.0	7435.3	52.7	1.11319	4.76	0.1590271
8	7643.97	72.89	272.52	91.116	7462.6	404.4	17.8	-404.0	404.4	272.5	10.0	10.0	7470.5	17.5	1.27222	4.76	0.1590271
9	7735.08	82.00	272.52	91.116	7482.4	493.3	21.7	-492.8	493.3	272.5	10.0	10.0	7492.0	-4.0	1.43124	4.76	0.1590271
10	7826.20	91.12	272.52	91.116	7487.9	584.1	25.7	-583.6	584.1	272.5	10.0	10.0	7499.3	-11.3	1.59027	4.76	0.1590271
11	7900.00	91.12	272.52	73.8	7486.5	657.9	28.9	-657.3	657.9	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
12	8000.00	91.12	272.52	100	7484.5	757.9	33.3	-757.1	757.9	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
13	8100.00	91.12	272.52	100	7482.6	857.9	37.7	-857.0	857.9	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
14	8200.00	91.12	272.52	100	7480.6	957.8	42.1	-956.9	957.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
15	8300.00	91.12	272.52	100	7478.7	1057.8	46.5	-1056.8	1057.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
16	8400.00	91.12	272.52	100	7476.7	1157.8	50.9	-1156.7	1157.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
17	8500.00	91.12	272.52	100	7474.8	1257.8	55.3	-1256.6	1257.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
18	8600.00	91.12	272.52	100	7472.8	1357.8	59.7	-1356.5	1357.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
19	8700.00	91.12	272.52	100	7470.9	1457.7	64.1	-1456.3	1457.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
20	8800.00	91.12	272.52	100	7468.9	1557.7	68.5	-1556.2	1557.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
21	8900.00	91.12	272.52	100	7467.0	1657.7	72.9	-1656.1	1657.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
22	9000.00	91.12	272.52	100	7465.0	1757.7	77.3	-1756.0	1757.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
23	9100.00	91.12	272.52	100	7463.1	1857.7	81.6	-1855.9	1857.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
24	9200.00	91.12	272.52	100	7461.1	1957.7	86.0	-1955.8	1957.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
25	9300.00	91.12	272.52	100	7459.2	2057.6	90.4	-2055.6	2057.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
26	9400.00	91.12	272.52	100	7457.2	2157.6	94.8	-2155.5	2157.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
27	9500.00	91.12	272.52	100	7455.3	2257.6	99.2	-2255.4	2257.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
28	9600.00	91.12	272.52	100	7453.3	2357.6	103.6	-2355.3	2357.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
29	9700.00	91.12	272.52	100	7451.4	2457.6	108.0	-2455.2	2457.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
30	9800.00	91.12	272.52	100	7449.5	2557.5	112.4	-2555.1	2557.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
31	9900.00	91.12	272.52	100	7447.5	2657.5	116.8	-2655.0	2657.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
32	10000.00	91.12	272.52	100	7445.6	2757.5	121.2	-2754.8	2757.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
33	10100.00	91.12	272.52	100	7443.6	2857.5	125.6	-2854.7	2857.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
34	10200.00	91.12	272.52	100	7441.7	2957.5	130.0	-2954.6	2957.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
35	10300.00	91.12	272.52	100	7439.7	3057.4	134.4	-3054.5	3057.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
36	10400.00	91.12	272.52	100	7437.8	3157.4	138.8	-3154.4	3157.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
37	10500.00	91.12	272.52	100	7435.8	3257.4	143.2	-3254.3	3257.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
38	10600.00	91.12	272.52	100	7433.9	3357.4	147.6	-3354.1	3357.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
39	10700.00	91.12	272.52	100	7431.9	3457.4	152.0	-3454.0	3457.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
40	10800.00	91.12	272.52	100	7430.0	3557.4	156.3	-3553.9	3557.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
41	10900.00	91.12	272.52	100	7428.0	3657.3	160.7	-3653.8	3657.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
42	11000.00	91.12	272.52	100	7426.1	3757.3	165.1	-3753.7	3757.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
43	11100.00	91.12	272.52	100	7424.1	3857.3	169.5	-3853.6	3857.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
44	11200.00	91.12	272.52	100	7422.2	3957.3	173.9	-3953.5	3957.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
45	11300.00	91.12	272.52	100	7420.2	4057.3	178.3	-4053.3	4057.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
46	11400.00	91.12	272.52	100	7418.3	4157.2	182.7	-4153.2	4157.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
47	11500.00	91.12	272.52	100	7416.4	4257.2	187.1	-4253.1	4257.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
48	11600.00	91.12	272.52	100	7414.4	4357.2	191.5	-4353.0	4357.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
49	11700.00	91.12	272.52	100	7412.5	4457.2	195.9	-4452.9	4457.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
50	11800.00	91.12	272.52	100	7410.5	4557.2	200.3	-4552.8	4557.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
51	11900.00	91.12	272.52	100	7408.6	4657.1	204.7	-4652.6	4657.1	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
52	12000.00	91.12	272.52	100	7406.6	4757.1	209.1	-4752.5	4757.1	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
53	12100.00	91.12	272.52	100	7404.7	4857.1	213.5	-4852.4	4857.1	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
54	12200.00	91.12	272.52	100	7402.7	4957.1	217.9	-4952.3	4957.1	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
55	12300.00	91.12	272.52	100	7400.8	5057.1	222.3	-5052.2	5057.1	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
56	12400.00	91.12	272.52	100	7398.8	5157.0	226.7	-5152.1	5157.0	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	

57	12500.00	91.12	272.52	100	7396.9	5257.0	231.0	-5251.9	5257.0	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
58	12600.00	91.12	272.52	100	7394.9	5357.0	235.4	-5351.8	5357.0	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
59	12700.00	91.12	272.52	100	7393.0	5457.0	239.8	-5451.7	5457.0	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
60	12800.00	91.12	272.52	100	7391.0	5557.0	244.2	-5551.6	5557.0	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
61	12900.00	91.12	272.52	100	7389.1	5657.0	248.6	-5651.5	5657.0	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
62	13000.00	91.12	272.52	100	7387.1	5756.9	253.0	-5751.4	5756.9	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
63	13100.00	91.12	272.52	100	7385.2	5856.9	257.4	-5851.3	5856.9	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
64	13200.00	91.12	272.52	100	7383.2	5956.9	261.8	-5951.1	5956.9	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
65	13300.00	91.12	272.52	100	7381.3	6056.9	266.2	-6051.0	6056.9	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
66	13400.00	91.12	272.52	100	7379.4	6156.9	270.6	-6150.9	6156.9	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
67	13500.00	91.12	272.52	100	7377.4	6256.8	275.0	-6250.8	6256.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
68	13600.00	91.12	272.52	100	7375.5	6356.8	279.4	-6350.7	6356.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
69	13700.00	91.12	272.52	100	7373.5	6456.8	283.8	-6450.6	6456.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
70	13800.00	91.12	272.52	100	7371.6	6556.8	288.2	-6550.4	6556.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
71	13900.00	91.12	272.52	100	7369.6	6656.8	292.6	-6650.3	6656.8	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
72	14000.00	91.12	272.52	100	7367.7	6756.7	297.0	-6750.2	6756.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
73	14100.00	91.12	272.52	100	7365.7	6856.7	301.4	-6850.1	6856.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
74	14200.00	91.12	272.52	100	7363.8	6956.7	305.7	-6950.0	6956.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
75	14300.00	91.12	272.52	100	7361.8	7056.7	310.1	-7049.9	7056.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
76	14400.00	91.12	272.52	100	7359.9	7156.7	314.5	-7149.8	7156.7	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
77	14500.00	91.12	272.52	100	7357.9	7256.6	318.9	-7249.6	7256.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
78	14600.00	91.12	272.52	100	7356.0	7356.6	323.3	-7349.5	7356.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
79	14700.00	91.12	272.52	100	7354.0	7456.6	327.7	-7449.4	7456.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
80	14800.00	91.12	272.52	100	7352.1	7556.6	332.1	-7549.3	7556.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
81	14900.00	91.12	272.52	100	7350.1	7656.6	336.5	-7649.2	7656.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
82	15000.00	91.12	272.52	100	7348.2	7756.6	340.9	-7749.1	7756.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
83	15100.00	91.12	272.52	100	7346.2	7856.5	345.3	-7848.9	7856.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
84	15200.00	91.12	272.52	100	7344.3	7956.5	349.7	-7948.8	7956.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
85	15300.00	91.12	272.52	100	7342.4	8056.5	354.1	-8048.7	8056.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
86	15400.00	91.12	272.52	100	7340.4	8156.5	358.5	-8148.6	8156.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
87	15500.00	91.12	272.52	100	7338.5	8256.5	362.9	-8248.5	8256.5	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
88	15600.00	91.12	272.52	100	7336.5	8356.4	367.3	-8348.4	8356.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
89	15700.00	91.12	272.52	100	7334.6	8456.4	371.7	-8448.3	8456.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
90	15800.00	91.12	272.52	100	7332.6	8556.4	376.1	-8548.1	8556.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
91	15900.00	91.12	272.52	100	7330.7	8656.4	380.5	-8648.0	8656.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
92	16000.00	91.12	272.52	100	7328.7	8756.4	384.8	-8747.9	8756.4	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
93	16100.00	91.12	272.52	100	7326.8	8856.3	389.2	-8847.8	8856.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
94	16200.00	91.12	272.52	100	7324.8	8956.3	393.6	-8947.7	8956.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
95	16300.00	91.12	272.52	100	7322.9	9056.3	398.0	-9047.6	9056.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
96	16400.00	91.12	272.52	100	7320.9	9156.3	402.4	-9147.4	9156.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
97	16500.00	91.12	272.52	100	7319.0	9256.3	406.8	-9247.3	9256.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
98	16600.00	91.12	272.52	100	7317.0	9356.3	411.2	-9347.2	9356.3	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
99	16700.00	91.12	272.52	100	7315.1	9456.2	415.6	-9447.1	9456.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
100	16800.00	91.12	272.52	100	7313.1	9556.2	420.0	-9547.0	9556.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
101	16900.00	91.12	272.52	100	7311.2	9656.2	424.4	-9646.9	9656.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
102	17000.00	91.12	272.52	100	7309.2	9756.2	428.8	-9746.7	9756.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
103	17100.00	91.12	272.52	100	7307.3	9856.2	433.2	-9846.6	9856.2	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
104	17159.41	91.12	272.52	59.408	7306.1	9915.6	435.8	-9906.0	9915.6	272.5	0.0	0.0	7499.3	-11.3	1.59027	4.76	1E-10
105	17159.41	91.12	272.52	0	7306.1	9915.6	435.8	-9906.0	9915.6	272.5	#####	#####	7499.3	-11.3	1.59027	4.76	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT Minimum Curvature Calculations

Operator: Mewbourne Oil Company
 Lease Name: Wild Turkey 36/35 B2PM State Com 1H
 KOP 6925.04
 SL: 1420 FSL & 290 FEL; Sec 36I/18S/28E
 PBHL: 600 FSL & 100 FWL; Sec 35M/18S/28E

Target KBTVD: 7,498 Feet 7498.00
 Target Angle: 91.17 Degrees 91.17
 Section Plane: 264.79 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 (RADIANS)	AZIMUTH (RADIANS)	
T/I	6925.04	0.00	264.79	N/A	6925.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	6925.0	573.0	1E-12	4.62	#VALUE!
1	7016.21	9.12	264.79	91.171	7015.8	7.2	-0.7	-7.2	264.8	10.0	10.0	10.0	7016.0	482.0	0.159123	4.62	0.159123
2	7107.38	18.23	264.79	91.171	7104.3	28.8	-2.6	-28.7	264.8	10.0	10.0	10.0	7104.9	393.1	0.3182461	4.62	0.159123
3	7198.55	27.35	264.79	91.171	7188.3	64.1	-5.8	-63.8	264.8	10.0	10.0	10.0	7189.6	308.4	0.4773691	4.62	0.159123
4	7289.73	36.47	264.79	91.171	7265.6	112.2	-10.2	-111.7	264.8	10.0	10.0	10.0	7267.9	230.1	0.6364921	4.62	0.159123
5	7380.90	45.59	264.79	91.171	7334.3	172.0	-15.6	-171.3	264.8	10.0	10.0	10.0	7337.8	160.2	0.7956152	4.62	0.159123
6	7472.07	54.70	264.79	91.171	7392.7	241.9	-21.9	-240.9	264.8	10.0	10.0	10.0	7397.6	100.4	0.9547382	4.62	0.159123
7	7563.24	63.82	264.79	91.171	7439.2	320.2	-29.1	-318.8	264.8	10.0	10.0	10.0	7445.8	52.2	1.1138612	4.62	0.159123
8	7654.41	72.94	264.79	91.171	7472.8	404.8	-36.7	-403.2	264.8	10.0	10.0	10.0	7481.1	16.9	1.2729843	4.62	0.159123
9	7745.58	82.05	264.79	91.171	7492.5	493.7	-44.8	-491.7	264.8	10.0	10.0	10.0	7502.6	-4.6	1.4321073	4.62	0.159123
10	7836.75	91.17	264.79	91.171	7497.9	584.7	-53.1	-582.3	264.8	10.0	10.0	10.0	7509.8	-11.8	1.5912304	4.62	0.159123
11	7900.00	91.17	264.79	63.25	7496.6	647.9	-58.8	-645.2	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
12	8000.00	91.17	264.79	100	7494.5	747.9	-67.9	-744.8	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
13	8100.00	91.17	264.79	100	7492.5	847.9	-76.9	-844.4	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
14	8200.00	91.17	264.79	100	7490.5	947.8	-86.0	-943.9	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
15	8300.00	91.17	264.79	100	7488.4	1047.8	-95.1	-1043.5	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
16	8400.00	91.17	264.79	100	7486.4	1147.8	-104.2	-1143.1	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
17	8500.00	91.17	264.79	100	7484.3	1247.8	-113.2	-1242.6	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
18	8600.00	91.17	264.79	100	7482.3	1347.8	-122.3	-1342.2	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
19	8700.00	91.17	264.79	100	7480.2	1447.7	-131.4	-1441.8	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
20	8800.00	91.17	264.79	100	7478.2	1547.7	-140.4	-1541.3	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
21	8900.00	91.17	264.79	100	7476.2	1647.7	-149.5	-1640.9	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
22	9000.00	91.17	264.79	100	7474.1	1747.7	-158.6	-1740.5	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
23	9100.00	91.17	264.79	100	7472.1	1847.7	-167.7	-1840.0	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
24	9200.00	91.17	264.79	100	7470.0	1947.6	-176.7	-1939.6	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
25	9300.00	91.17	264.79	100	7468.0	2047.6	-185.8	-2039.2	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
26	9400.00	91.17	264.79	100	7465.9	2147.6	-194.9	-2138.7	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
27	9500.00	91.17	264.79	100	7463.9	2247.6	-203.9	-2238.3	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
28	9600.00	91.17	264.79	100	7461.9	2347.5	-213.0	-2337.9	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
29	9700.00	91.17	264.79	100	7459.8	2447.5	-222.1	-2437.4	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
30	9800.00	91.17	264.79	100	7457.8	2547.5	-231.2	-2537.0	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
31	9900.00	91.17	264.79	100	7455.7	2647.5	-240.2	-2636.6	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
32	10000.00	91.17	264.79	100	7453.7	2747.5	-249.3	-2736.1	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
33	10100.00	91.17	264.79	100	7451.6	2847.4	-258.4	-2835.7	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
34	10200.00	91.17	264.79	100	7449.6	2947.4	-267.5	-2935.3	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
35	10300.00	91.17	264.79	100	7447.5	3047.4	-276.5	-3034.8	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
36	10400.00	91.17	264.79	100	7445.5	3147.4	-285.6	-3134.4	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
37	10500.00	91.17	264.79	100	7443.5	3247.4	-294.7	-3234.0	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
38	10600.00	91.17	264.79	100	7441.4	3347.3	-303.7	-3333.5	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
39	10700.00	91.17	264.79	100	7439.4	3447.3	-312.8	-3433.1	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
40	10800.00	91.17	264.79	100	7437.3	3547.3	-321.9	-3532.7	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
41	10900.00	91.17	264.79	100	7435.3	3647.3	-331.0	-3632.2	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
42	11000.00	91.17	264.79	100	7433.2	3747.3	-340.0	-3731.8	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
43	11100.00	91.17	264.79	100	7431.2	3847.2	-349.1	-3831.4	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
44	11200.00	91.17	264.79	100	7429.2	3947.2	-358.2	-3930.9	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
45	11300.00	91.17	264.79	100	7427.1	4047.2	-367.2	-4030.5	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
46	11400.00	91.17	264.79	100	7425.1	4147.2	-376.3	-4130.1	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
47	11500.00	91.17	264.79	100	7423.0	4247.2	-385.4	-4229.6	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
48	11600.00	91.17	264.79	100	7421.0	4347.1	-394.5	-4329.2	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
49	11700.00	91.17	264.79	100	7418.9	4447.1	-403.5	-4428.8	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
50	11800.00	91.17	264.79	100	7416.9	4547.1	-412.6	-4528.3	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
51	11900.00	91.17	264.79	100	7414.9	4647.1	-421.7	-4627.9	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
52	12000.00	91.17	264.79	100	7412.8	4747.0	-430.8	-4727.5	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
53	12100.00	91.17	264.79	100	7410.8	4847.0	-439.8	-4827.0	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
54	12200.00	91.17	264.79	100	7408.7	4947.0	-448.9	-4926.6	264.8	0.0	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10

55	12300.00	91.17	264.79	100	7406.7	5047.0	-458.0	-5026.2	5047.0	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
56	12400.00	91.17	264.79	100	7404.6	5147.0	-467.0	-5125.7	5147.0	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
57	12500.00	91.17	264.79	100	7402.6	5246.9	-476.1	-5225.3	5246.9	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
58	12600.00	91.17	264.79	100	7400.6	5346.9	-485.2	-5324.9	5346.9	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
59	12700.00	91.17	264.79	100	7398.5	5446.9	-494.3	-5424.4	5446.9	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
60	12800.00	91.17	264.79	100	7396.5	5546.9	-503.3	-5524.0	5546.9	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
61	12900.00	91.17	264.79	100	7394.4	5646.9	-512.4	-5623.6	5646.9	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
62	13000.00	91.17	264.79	100	7392.4	5746.8	-521.5	-5723.1	5746.8	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
63	13100.00	91.17	264.79	100	7390.3	5846.8	-530.5	-5822.7	5846.8	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
64	13200.00	91.17	264.79	100	7388.3	5946.8	-539.6	-5922.3	5946.8	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
65	13300.00	91.17	264.79	100	7386.3	6046.8	-548.7	-6021.8	6046.8	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
66	13400.00	91.17	264.79	100	7384.2	6146.8	-557.8	-6121.4	6146.8	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
67	13500.00	91.17	264.79	100	7382.2	6246.7	-566.8	-6221.0	6246.7	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
68	13600.00	91.17	264.79	100	7380.1	6346.7	-575.9	-6320.5	6346.7	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
69	13700.00	91.17	264.79	100	7378.1	6446.7	-585.0	-6420.1	6446.7	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
70	13800.00	91.17	264.79	100	7376.0	6546.7	-594.0	-6519.7	6546.7	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
71	13900.00	91.17	264.79	100	7374.0	6646.6	-603.1	-6619.2	6646.6	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
72	14000.00	91.17	264.79	100	7371.9	6746.6	-612.2	-6718.8	6746.6	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
73	14100.00	91.17	264.79	100	7369.9	6846.6	-621.3	-6818.4	6846.6	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
74	14200.00	91.17	264.79	100	7367.9	6946.6	-630.3	-6917.9	6946.6	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
75	14300.00	91.17	264.79	100	7365.8	7046.6	-639.4	-7017.5	7046.6	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
76	14400.00	91.17	264.79	100	7363.8	7146.5	-648.5	-7117.1	7146.5	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
77	14500.00	91.17	264.79	100	7361.7	7246.5	-657.6	-7216.6	7246.5	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
78	14600.00	91.17	264.79	100	7359.7	7346.5	-666.6	-7316.2	7346.5	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
79	14700.00	91.17	264.79	100	7357.6	7446.5	-675.7	-7415.8	7446.5	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
80	14800.00	91.17	264.79	100	7355.6	7546.5	-684.8	-7515.3	7546.5	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
81	14900.00	91.17	264.79	100	7353.6	7646.4	-693.8	-7614.9	7646.4	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
82	15000.00	91.17	264.79	100	7351.5	7746.4	-702.9	-7714.5	7746.4	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
83	15100.00	91.17	264.79	100	7349.5	7846.4	-712.0	-7814.0	7846.4	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
84	15200.00	91.17	264.79	100	7347.4	7946.4	-721.1	-7913.6	7946.4	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
85	15300.00	91.17	264.79	100	7345.4	8046.4	-730.1	-8013.2	8046.4	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
86	15400.00	91.17	264.79	100	7343.3	8146.3	-739.2	-8112.7	8146.3	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
87	15500.00	91.17	264.79	100	7341.3	8246.3	-748.3	-8212.3	8246.3	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
88	15600.00	91.17	264.79	100	7339.3	8346.3	-757.3	-8311.9	8346.3	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
89	15700.00	91.17	264.79	100	7337.2	8446.3	-766.4	-8411.4	8446.3	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
90	15800.00	91.17	264.79	100	7335.2	8546.3	-775.5	-8511.0	8546.3	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
91	15900.00	91.17	264.79	100	7333.1	8646.2	-784.6	-8610.6	8646.2	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
92	16000.00	91.17	264.79	100	7331.1	8746.2	-793.6	-8710.1	8746.2	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
93	16100.00	91.17	264.79	100	7329.0	8846.2	-802.7	-8809.7	8846.2	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
94	16200.00	91.17	264.79	100	7327.0	8946.2	-811.8	-8909.3	8946.2	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
95	16300.00	91.17	264.79	100	7325.0	9046.1	-820.9	-9008.8	9046.1	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
96	16400.00	91.17	264.79	100	7322.9	9146.1	-829.9	-9108.4	9146.1	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
97	16500.00	91.17	264.79	100	7320.9	9246.1	-839.0	-9208.0	9246.1	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
98	16600.00	91.17	264.79	100	7318.8	9346.1	-848.1	-9307.5	9346.1	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
99	16700.00	91.17	264.79	100	7316.8	9446.1	-857.1	-9407.1	9446.1	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
100	16800.00	91.17	264.79	100	7314.7	9546.0	-866.2	-9506.7	9546.0	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
101	16900.00	91.17	264.79	100	7312.7	9646.0	-875.3	-9606.2	9646.0	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
102	17000.00	91.17	264.79	100	7310.7	9746.0	-884.4	-9705.8	9746.0	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
103	17100.00	91.17	264.79	100	7308.6	9846.0	-893.4	-9805.4	9846.0	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
104	17200.00	91.17	264.79	100	7306.6	9946.0	-902.5	-9904.9	9946.0	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
105	17219.83	91.17	264.79	19.827	7306.2	9965.8	-904.3	-9924.7	9965.8	264.8	0.0	0.0	7509.8	-11.8	1.5912304	4.62	1E-10
106	17219.83	91.17	264.79	0	7306.2	9965.8	-904.3	-9924.7	9965.8	264.8	#DIV/0!	#DIV/0!	7509.8	-11.8	1.5912304	4.62	1E-10

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. 22837 - 22840

SELF-AFFIRMED STATEMENT OF NOTICE

COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Mewbourne Oil Company.
3. Mewbourne Oil Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application filed herein.
4. Notice of the application was provided to the interest owners, at their last known addresses, by certified or registered mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Applicant has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 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: 5/31/22


James Bruce

EXHIBIT 4

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

ATTACHMENT

A

May 12, 2022

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of applications, filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, seeking orders pooling all uncommitted mineral interest owners in the Bone Spring formation in the horizontal spacing units described below:

(i) Case No. 22837: the N/2N/2 of Section 36 and the N/2N/2 of Section 35, Township 18 South, Range 28 East, NMPM (Third Bone Spring Sand formation only). The unit will be dedicated to the Wild Turkey 36/35 B3AD State Com. Well No. 1H.

(ii) Case No. 22838: the S/2N/2 of Section 36 and the S/2N/2 of Section 35, Township 18 South, Range 28 East, NMPM. The unit will be dedicated to the Wild Turkey 36/35 B2HE State Com. Well No. 1H and the Wild Turkey 36/35 B3HE State Com. Well No. 1H.

(iii) Case No. 22839: the N/2S/2 of Section 36 and the N/2S/2 of Section 35, Township 18 South, Range 28 East, NMPM. The unit will be dedicated to the Wild Turkey 36/35 B2IL State Com. Well No. 1H.

(iv) Case No. 22840: the S/2S/2 of Section 36 and the S/2S/2 of Section 35, Township 18 South, Range 28 East, NMPM. The unit will be dedicated to the Wild Turkey 36/35 B2PM State Com. Well No. 1H.

These matters are scheduled for hearing at 8:15 a.m. on June 2, 2022. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnr.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnr.state.nm.us/OCD/announcements.html>. You are not required to attend this

hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, May 26, 2022. This statement may be filed online with the Division at ocd.hearings@state.nm.us, and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,

A handwritten signature in blue ink that reads "James Bruce". The signature is written in a cursive style with a large initial "J".

James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

COG Operating LLC
Concho Resources Inc.
600 W. Illinois Ave.
Midland, Texas 79701
Attn: Mr. Baylor Mitchell

Magnum Hunter Production
600 N. Marienfeld St., Ste. 600
Midland, Texas 79701
Attn: Mr. Riley Morris

Gahr Energy Company
P.O. Box 1889
Midland, Texas 79702
Attn: Land Manager

Fuel Products, Inc.
P.O. Box 1889
Midland, Texas 79702
Attn: Land Manager

Devon Energy Production Company, L.P.
333 W. Sheridan Avenue
Oklahoma City, Oklahoma 73102
Attn: Land Manager

WPX Energy Permian LLC
P.O. Box 842894
Dallas, Texas 75284-2894
Attn: Land Manager

V-F Petroleum Inc.
P.O. Box 1889
Midland, Texas 79702
Attn: Land Manager

Mizel Resources, a Trust
4350 S. Monaco Street, Fifth Floor
Denver, Colorado 80237
Attn: Ms. Carrie DeLima

Sandra K. Lawlis
P.O. Box 1889
Midland, Texas 79702

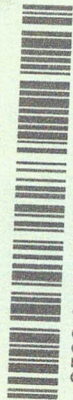
Lodge Exploration Ompany, LLC
203 West Wall Street, Suite 920
Midland, Texas 79701
Attn: Mr. Jason Lodge

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Magnum Hunter Production
600 N. Maricopa Blvd., Ste. 600
Midland, Texas 79701



2. Article Addressed to: 7021 0950 0002 0372 1625

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

- A. Signature X
- B. Received by (Printed Name) _____
- C. Date _____
- D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

3. Service Type
- Priority Mail
 - Registered Delivery
 - Registered Mail
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Signature Restricted Delivery
 - Signature Restrict

Insured Mail Restricted Delivery (over \$500)

MWT

Domestic

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Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Postmark Here

Total Postage and Fees

Sent To
Magnum Hunter Production
600 N. Maricopa Blvd., Ste. 600
Midland, Texas 79701

City, State, Zip+4®

PS Form 3806, April 2015 PSN 7530-02-000-9047. See Reverse for Instructions

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Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Postmark Here

Total Postage and Fees

Sent To
Miral Resources, a Trust
4350 S. Monaco Street, Fifth Floor
Denver, Colorado 80237

City, State, Zip+4®

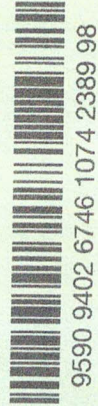
PS Form 3800, April 2015 PSN 7530-02-000-9047. See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Miral Resources, a Trust
4350 S. Monaco Street, Fifth Floor
Denver, Colorado 80237



2. Article Addressed to: 7021 0950 0002 0372 1625

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

- A. Signature X Agent
- B. Received by (Printed Name) _____ Addressee
- C. Date of Delivery _____
- D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

3. Service Type
- Priority Mail Express®
 - Registered Mail™
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Insured Mail Restricted Delivery (over \$500)

MWT

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3.
 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Lodge Exploration Company, LLC
 203 West Wall Street, Suite 920
 Midland, Texas 79701

9590 9402 6746 1074 2389 74

2. Article # 7021 0950 0002 0372 1601

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery 5/23/22

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Adult Signature
 Adult Signature Restricted Delivery
 Certified Mail®
 Certified Mail Restricted Delivery
 Collect on Delivery
 Restricted Delivery
 Priority Mail Express®
 Registered Mail™
 Registered Mail Restricted Delivery
 Signature Confirmation™
 Signature Confirmation Restricted Delivery

Domestic Return Receipt

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Certified Mail Fee \$
 Extra Services & Fees (check box, add fee as appropriate)
 Return Receipt (hardcopy) \$
 Return Receipt (electronic) \$
 Certified Mail Restricted Delivery \$
 Adult Signature Required \$
 Adult Signature Restricted Delivery \$
 Postage \$
 Total Postage and Fees \$

Sent To Lodge Exploration Company, LLC
 203 West Wall Street, Suite 920
 Midland, Texas 79701
 Street and Apt. No., or P.O. Box No.
 City, State, ZIP+4®

Postmark Here

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

1601 2389 2000 0560 0950 2102

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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Postage and Fees
 \$ _____

Sent To
 Devon Energy Production Company, L.P.
 333 W. Sheridan Avenue
 Oklahoma City, Oklahoma 73102

Street and Apt. No., or PO Box _____

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7021 0950 0002 0372 1656

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Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Postage and Fees
 \$ _____

Sent To
 Fuel Products, Inc.
 P.O. Box 1889
 Midland, Texas 79702

Street and Apt. No., or PO Box _____

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7021 0950 0002 0372 1663

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Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
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Total Postage and Fees
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Sent To
 COG Operating LLC
 Concho Resources Inc.
 600 W. Illinois Ave.
 Midland, Texas 79701

Street and Apt. No., or PO Box _____

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7021 0950 0002 0372 1694

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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Postage and Fees
 \$ _____

Sent To
 Gabr Energy Company
 P.O. Box 1889
 Midland, Texas 79702

Street and Apt. No., or PO Box _____

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7021 0950 0002 0372 1670

7021 0950 0002 0372 1618

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OFFICIAL USE

Certified Mail Fee \$ _____ Extra Services & Fees (check box, add fee as appropriate) <input type="checkbox"/> Return Receipt (hardcopy) \$ _____ <input type="checkbox"/> Return Receipt (electronic) \$ _____ <input type="checkbox"/> Certified Mail Restricted Delivery \$ _____ <input type="checkbox"/> Adult Signature Required \$ _____ <input type="checkbox"/> Adult Signature Restricted Delivery \$ _____ Postage \$ _____ Total Postage and Fees \$ _____	Postmark Here
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Sent To Sandra K. Lawlis
 P.O. Box 1889
 Midland, Texas 79702

Street and Apt. No., or PO Box _____

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7021 0950 0002 0372 1632

U.S. Postal Service™
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Certified Mail Fee \$ _____ Extra Services & Fees (check box, add fee as appropriate) <input type="checkbox"/> Return Receipt (hardcopy) \$ _____ <input type="checkbox"/> Return Receipt (electronic) \$ _____ <input type="checkbox"/> Certified Mail Restricted Delivery \$ _____ <input type="checkbox"/> Adult Signature Required \$ _____ <input type="checkbox"/> Adult Signature Restricted Delivery \$ _____ Postage \$ _____ Total Postage and Fees \$ _____	Postmark Here
--	------------------

Sent To V-F Petroleum Inc.
 P.O. Box 1889
 Midland, Texas 79702

Street and Apt. No., or PO Box _____

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7021 0950 0002 0372 1649

U.S. Postal Service™
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Certified Mail Fee \$ _____ Extra Services & Fees (check box, add fee as appropriate) <input type="checkbox"/> Return Receipt (hardcopy) \$ _____ <input type="checkbox"/> Return Receipt (electronic) \$ _____ <input type="checkbox"/> Certified Mail Restricted Delivery \$ _____ <input type="checkbox"/> Adult Signature Required \$ _____ <input type="checkbox"/> Adult Signature Restricted Delivery \$ _____ Postage \$ _____ Total Postage and Fees \$ _____	Postmark Here
--	------------------

Sent To WPX Energy Permian LLC
 P.O. Box 842894
 Dallas, Texas 75284-2894

Street and Apt. No., or PO Box _____

City, State, ZIP+4® _____

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Carlsbad Current Argus.

PART OF THE USA TODAY NETWORK

Affidavit of Publication

Ad # 0005263077

This is not an invoice

JAMES BRUCE ATTORNEY AT LAW
POBOX 1056

SANTA FE, NM 87504

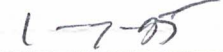
I, a legal clerk of the **Carlsbad Current Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof in editions dated as follows:

05/19/2022


Legal Clerk

Subscribed and sworn before me this May 19, 2022:


State of WI, County of Brown
NOTARY PUBLIC


My commission expires

KATHLEEN ALLEN
Notary Public
State of Wisconsin

NOTICE

To: COG Operating LLC, Concho Resources Inc., Magnum Hunter Production Inc., Gahr Energy Company, Fuel Products Inc., Devon Energy Production Company, L.P., WPX Energy Permian, LLC, V-F Petroleum Inc., Mizel Resources, a Trust, Sandra K. Lawliss, and Lodge Exploration Company LLC, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed four applications with the New Mexico Oil Conservation Division, seeking orders pooling all uncommitted mineral interest owners in the Bone Spring formation underlying horizontal spacing units comprised of:

- (i) Case 22837: the N/2N/2 of Section 36 and the N/2N/2 of Section 35, Township 18 South, Range 28 East, NMPM. The unit will be dedicated to the Wild Turkey 36/35 B3AD State Com. Well No. 1H. This case is limited to pooling the third bone spring Sand formation only;
- (ii) Case 22838: the S/2N/2 of Section 36 and the S/2N/2 of Section 35, Township 18 South, Range 28 East, NMPM. The unit will be dedicated to the Wild Turkey 36/35 B2HE State Com. Well No. 1H and the Wild Turkey 36/35 B3HE State Com. Well No. 1H;
- (iii) Case 22839: the N/2S/2 of Section 36 and the N/2S/2 of Section 35, Township 18 South, Range 28 East, NMPM. The unit will be dedicated to the Wild Turkey 36/35 B2IL State Com. Well No. 1H; and
- (iv) Case 22840: the S/2S/2 of Section 36 and the S/2S/2 of Section 35, Township 18 South, Range 28 East, NMPM. The unit will be dedicated to the Wild Turkey 36/35 B2PM State Com. Well No. 1H.

Also to be considered will be the cost of drilling, completing, and equipping the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling, completing, and equipping the wells. This matter is scheduled for hearing at 8:15 a.m. on Thursday, June 2, 2022. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to emnrd.state.nm.us/OCD/hearings or see the instructions posted on the Division's website, <http://emnrd.state.nm.us/OCD/announcements.html>. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, May 26, 2022. This statement may be filed online with the Division at ocd.hearings@state.nm.us. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, jamesbruc@aol.com. The units are located approximately 15-1/2 miles east-southeast of Atoka, New Mexico.
#5263077, Current Argus, May 19, 2022

EXHIBIT 5

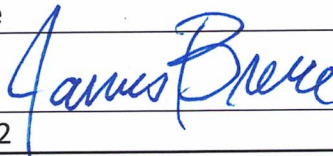
Ad # 0005263077
PO #: wild turkey
of Affidavits 1

This is not an invoice

COMPULSORY POOLING APPLICATION CHECKLIST**ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS**

Case:	22837	
Date:	June 2, 2022	
Applicant	Mewbourne Oil Company	
Designated Operator & OGRID (affiliation if applicable)	Mewbourne Oil Company/OGRID No.14744	
Applicant's Counsel:	James Bruce	
Case Title:	Application of Mewbourne Oil Company for Compulsory Pooling, Lea County, New Mexico	
Entries of Appearance/Intervenors:		
Well Family	Wild Turkey wells	
Formation/Pool		
Formation Name(s) or Vertical Extent:	Bone Spring Formation	
Primary Product (Oil or Gas):	Oil	
Pooling this vertical extent:	Third Bone Spring	
Pool Name and Pool Code:	Palmillo; Bone Spring, East (Pool Code 49553)	
Well Location Setback Rules:	Statewide rules and current horizontal well rules	
Spacing Unit Size:	Quarter-quarter sections/40 acres	
Spacing Unit		
Type (Horizontal/Vertical)	Horizontal	
Size (Acres)	320 acres	
Building Blocks:	Quarter-quarter sections	
Orientation:	North-South	
Description: TRS/County	N/2N/2 §36 and N/2N/2 §35-18S-28E, NMPM, Eddy County	
Standard Horizontal Well Spacing Unit (Y/N), If No, describe	Yes	
Other Situations		
Depth Severance: Y/N. If yes, description	EXHIBIT 6	
Proximity Tracts: If yes, description		No
Proximity Defining Well: if yes, description		
Applicant's Ownership in Each Tract	Exhibits 2-1 and 2-2	
Well(s)		
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Wild Turkey Well No. B3AD API No. 30-015-Pending SHL: 1100 FNL & 2600 FEL §36 BHL: 500 FNL & 100 FWL §35 FTP: 500 FSL & 100 FEL §36 LTP: 500 FNL & 100 FWL §35 Third Bone Spring Sand/TVD 8450 feet/MD 18183 feet	
Horizontal Well First and Last Take Points	See above	

Completion Target (Formation, TVD and MD)	See above
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit 2
Requested Risk Charge	Cost + 200%/Exhibit 2, page 2
Notice of Hearing	
Proposed Notice of Hearing	Exhibit 1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit 4
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit 5
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit 1-1
Tract List (including lease numbers and owners)	Exhibit 1-1
Pooled Parties (including ownership type)	Exhibit 1-2
Unlocatable Parties to be Pooled	
Ownership Depth Severance (including percentage above & below)	
Joinder	
Sample Copy of Proposal Letter	Exhibit 1-3
List of Interest Owners (<i>i.e.</i> Exhibit A of JOA)	Exhibit 1-2
Chronology of Contact with Non-Joined Working Interests	Exhibit 1-3
Overhead Rates In Proposal Letter	
Cost Estimate to Drill and Complete	Exhibit 1-4
Cost Estimate to Equip Well	Exhibit 1-4
Cost Estimate for Production Facilities	Exhibit 1-4
Geology	
Summary (including special considerations)	Exhibit 3
Spacing Unit Schematic	Exhibit 3-E
Gunbarrel/Lateral Trajectory Schematic	Exhibits 3-F and 3-G
Well Orientation (with rationale)	Laydown/Exhibit 3
Target Formation	Bone Spring
HSU Cross Section	Exhibit 3-G
Depth Severance Discussion	Not Applicable
Forms, Figures and Tables	
C-102	Exhibit 1-1
Tracts	Exhibit 1-1
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit 1-2
General Location Map (including basin)	Exhibit 1-1
Well Bore Location Map	Exhibits 1-1 and 3-F

Structure Contour Map - Subsea Depth	Exhibit 3-E
Cross Section Location Map (including wells)	Exhibit 3-G
Cross Section (including Landing Zone)	Exhibit 3-G
Additional Information	
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	James Bruce
Signed Name (Attorney or Party Representative):	
Date:	May 31, 2022