

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

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

**Case No. 20506**

**SELF-AFFIRMED STATEMENT OF  
TYLER JOLLY**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.
2. I am a landman for Mewbourne Oil Company ("Mewbourne"). I have had direct involvement with Mewbourne's development of the standard 640-acre horizontal spacing unit ("HSU") that is the subject of Mewbourne's application in this case.
3. Attached hereto as Exhibit A is a Midland map with the HSU outlined. The HSU is comprised of the S/2 of Section 17 and the S/2 of Section 18, Township 22 South, Range 27 East in Eddy County. Mewbourne seeks to pool the uncommitted mineral interests in the Wolfcamp formation underlying the HSU.
4. The HSU will be dedicated to Mewbourne's proposed Heavyweights 17/18 WOPM Fee #1H well, which will be horizontally drilled from a surface location in Unit P in Section 17 to a bottom hole location in Unit M in Section 18, Township 22 South, Range 27 East. Attached hereto as Exhibit B is the C-102 for the well.
5. There are no depth exceptions in the Wolfcamp formation underlying the HSU.

Case No. 20506

**MEWBOURNE OIL  
Exhibit #1**

6. On April 2-3, 2019, I sent a well proposal letter and AFE for the well to each of the then-uncommitted interests in the HSU. Attached hereto as Exhibit C are (i) a sample of my well proposal letter and (ii) a summary of the well proposal letter mailings.

7. Subsequently, I had follow-up communications with interest owners, several of whom leased their interest to Mewbourne.

8. In my opinion, Mewbourne has made a good faith effort to obtain the voluntary joinder of the uncommitted mineral interests.

9. 82.95% of the interests in the HSU are committed to the proposed well. Attached hereto as Exhibit D is a listing of the tract ownership in the HSU.

10. Mewbourne's counsel provided certified mail notice of the application and the Division hearing to all of the uncommitted interests identified in Exhibit D. A sample notice letter and the green cards that have been returned are attached hereto as Exhibit E.

11. Because some of the uncommitted interests were unlocatable, notice of the hearing was published in the Carlsbad Current – Argus on May 24, 2019. A copy of the newspaper's Affidavit of Publication is attached hereto as Exhibit F.

12. Attached hereto as Exhibit G is Mewbourne's AFE for the proposed well. The estimated cost of the well is fair and reasonable, and is comparable to the costs of other wells of similar depth and length drilled in Eddy County.

13. Mewbourne requests overhead and administrative rates of \$8,000 per month while the wells are being drilled and \$800 per month while the wells are producing. These rates are fair, and are comparable to the rates charged by Mewbourne and by other operators in the vicinity. They are also the rates set forth in the Joint Operating Agreement for the well. Mewbourne further

requests that the rates be adjusted periodically in accordance with the COPAS Accounting Procedure.

14. Mewbourne requests that it be designated the operator of the proposed well.

15. Mewbourne also requests that a 200% risk charge be assessed against the remaining uncommitted interests if they are non-consenting working interest owners.

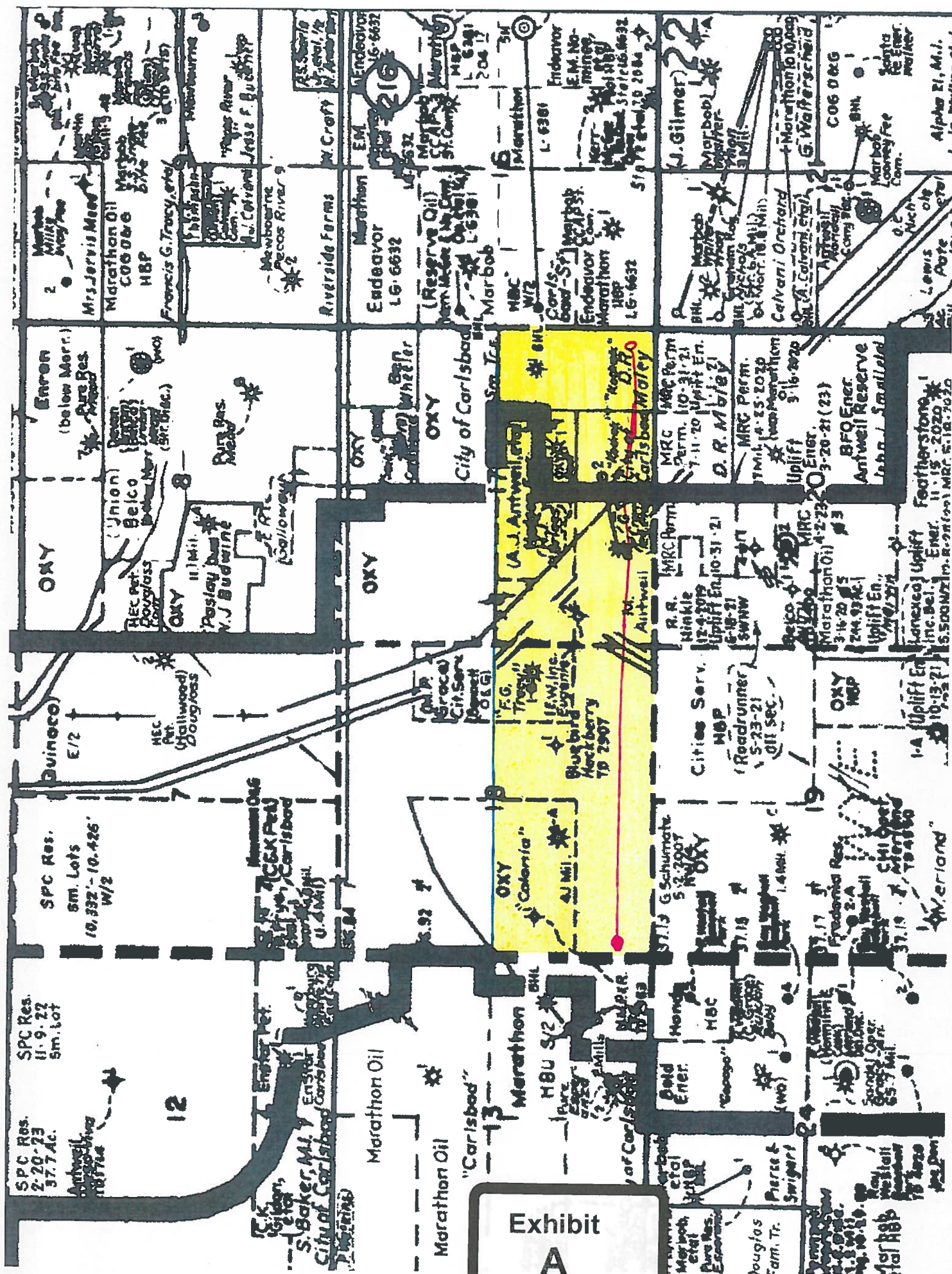
16. In my opinion, the granting of Mewbourne's application would serve the interests of conservation and the prevention of waste.

17. The exhibits attached hereto were either prepared by me or under my supervision or were compiled from company business records.

18. 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 17 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.

  
Tyler Jolly

6-12-19  
Date





District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|  |                      |  |                     |  |  |
|--|----------------------|--|---------------------|--|--|
| <sup>1</sup> API Number<br><b>30-015-45961</b>               |                      | <sup>2</sup> Pool Code<br><b>98220</b>                           |                     | <sup>3</sup> Pool Name<br><b>Purple Sage i Wolfcamp (Lias)</b> |  |
| <sup>4</sup> Property Code                                   |                      | <sup>5</sup> Property Name<br><b>HEAVYWEIGHTS 17/18 WOPM FEE</b> |                     |  | <sup>6</sup> Well Number<br><b>1H</b>  |
| <sup>7</sup> OORID NO.<br><b>14744</b>                       |                      | <sup>8</sup> Operator Name<br><b>MEWBOURNE OIL COMPANY</b>       |                     |  | <sup>9</sup> Elevation<br><b>3118'</b> |
| <sup>10</sup> Surface Location                               |                      |  |                     |  |  |
| UL or lot no.<br><b>P</b>                                    | Section<br><b>17</b> | Township<br><b>22S</b>   | Range<br><b>27E</b> | Lot Idn<br><b>970</b>  | North/South line<br><b>SOUTH</b>       |
| Feet From the<br><b>205</b>                                  |                      | East/West line<br><b>EAST</b>                                    |                     | County<br><b>EDDY</b>  |  |
| <sup>11</sup> Bottom Hole Location If Different From Surface |                      |  |                     |  |  |
| UL or lot no.<br><b>4</b>                                    | Section<br><b>18</b> | Township<br><b>22S</b>   | Range<br><b>27E</b> | Lot Idn<br><b>440</b>  | North/South line<br><b>SOUTH</b>       |
| Feet from the<br><b>330</b>                                  |                      | East/West line<br><b>WEST</b>                                    |                     | County<br><b>EDDY</b>  |  |
| <sup>12</sup> Dedicated Acres<br><b>634.08</b>               |                      | <sup>13</sup> Joint or Infill                                    |                     | <sup>14</sup> Consolidation Code                               |  |
| <sup>15</sup> Order No.                                      |                      |  |                     |  |  |

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

|   |  |   |
|---|--|---|
| <p><sup>16</sup></p> <p><b>CORNER DATA</b><br/>NAD 83 GRID - NM EAST</p> <p>A: FOUND 1/2" REBAR<br/>N: 503802.5 - E: 570902.6</p> <p>B: FOUND COTTON SPINDLE<br/>N: 509218.7 - E: 570907.7</p> <p>C: FOUND 1/2" REBAR<br/>N: 509295.4 - E: 576249.5</p> <p>D: FOUND 1/2" REBAR<br/>N: 509313.0 - E: 581561.0</p> <p>E: FOUND 1/2" REBAR<br/>N: 504029.4 - E: 581575.6</p> <p>F: FOUND 1" PIPE<br/>N: 503996.6 - E: 578916.8</p> <p>G: COTTON SPINDLE<br/>N: 503952.5 - E: 576258.5</p>  |  | <p><b>17 OPERATOR CERTIFICATION</b><br/>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p> |
| <p><b>18 SURVEYOR CERTIFICATION</b><br/>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p><b>03-22-2019</b><br/>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: <b>ROBERT M. HOWETT</b></p> <p><b>19680</b><br/>Certificate Number</p>  |  |   |
| <p><b>19</b></p> <p><b>GEODETIC DATA</b><br/>NAD 83 GRID - NM EAST</p> <p><b>BOTTOM HOLE</b><br/>N: 504251.6 - E: 571232.8<br/>LAT: 32.3862193° N<br/>LONG: 104.2364851° W</p> <p><b>SURFACE LOCATION</b><br/>N: 504996.6 - E: 581368.0<br/>LAT: 32.3882377° N<br/>LONG: 104.2036483° W</p> <p><b>20</b></p> <p><b>21</b></p> <p><b>22</b></p> <p><b>23</b></p> <p><b>24</b></p> <p><b>25</b></p> <p><b>26</b></p> <p><b>27</b></p> <p><b>28</b></p> <p><b>29</b></p> <p><b>30</b></p> <p><b>31</b></p> <p><b>32</b></p> <p><b>33</b></p> <p><b>34</b></p> <p><b>35</b></p> <p><b>36</b></p> <p><b>37</b></p> <p><b>38</b></p> <p><b>39</b></p> <p><b>40</b></p> <p><b>41</b></p> <p><b>42</b></p> <p><b>43</b></p> <p><b>44</b></p> <p><b>45</b></p> <p><b>46</b></p> <p><b>47</b></p> <p><b>48</b></p> <p><b>49</b></p> <p><b>50</b></p> <p><b>51</b></p> <p><b>52</b></p> <p><b>53</b></p> <p><b>54</b></p> <p><b>55</b></p> <p><b>56</b></p> <p><b>57</b></p> <p><b>58</b></p> <p><b>59</b></p> <p><b>60</b></p> <p><b>61</b></p> <p><b>62</b></p> <p><b>63</b></p> <p><b>64</b></p> <p><b>65</b></p> <p><b>66</b></p> <p><b>67</b></p> <p><b>68</b></p> <p><b>69</b></p> <p><b>70</b></p> <p><b>71</b></p> <p><b>72</b></p> <p><b>73</b></p> <p><b>74</b></p> <p><b>75</b></p> <p><b>76</b></p> <p><b>77</b></p> <p><b>78</b></p> <p><b>79</b></p> <p><b>80</b></p> <p><b>81</b></p> <p><b>82</b></p> <p><b>83</b></p> <p><b>84</b></p> <p><b>85</b></p> <p><b>86</b></p> <p><b>87</b></p> <p><b>88</b></p> <p><b>89</b></p> <p><b>90</b></p> <p><b>91</b></p> <p><b>92</b></p> <p><b>93</b></p> <p><b>94</b></p> <p><b>95</b></p> <p><b>96</b></p> <p><b>97</b></p> <p><b>98</b></p> <p><b>99</b></p> <p><b>100</b></p> |  |   |

Exhibit  
B

# MEWBOURNE OIL COMPANY

500 West Texas, Suite 1020  
Midland, Texas 79701  
Phone (432) 682-3715  
Fax (432) 685-4170

April 3, 2019

## Certified Mail

Aimee Lee Campbell  
12885 State Route F  
Rolla, MO 65401

Re: Proposed Horizontal Wolfcamp Test  
**Heavyweights 17-18 W0PM Fee #1H**  
All of Section 17 & All of Section 18  
T22S, R27E, Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company, as Operator, hereby proposes drilling the following horizontal Wolfcamp test:

- 1) Heavyweights 17-18 W0PM Fee #1H – APD in process  
Surface Location: 970' FSL, 205' FEL, Section 17, UL P  
Bottom Hole Location: 440' FSL, 330' FWL, Section 18, UL M  
Proposed Total Vertical Depth: 8860'  
Proposed Total Measured Depth: 18940'  
Formation: Wolfcamp

In the event you elect to participate in the proposed well, please execute the enclosed AFE and return it to the undersigned within thirty (30) days. Our Joint Operating Agreement will follow, which provides for a Drilling Well Rate of \$8,000 per month and a Producing Well Rate of \$800 per month. Please enclose your most current well information requirements so that we may supply well data when available.

In lieu of participating, Mewbourne hereby offers \$3,000 per net acre for a three (3) year paid-up Oil and Gas Lease, providing for a  $\frac{1}{4}$  royalty interest and covering all of your interest in the referenced lands. This offer is subject to title review and final management approval.

Please contact me at (432) 682-3715 or via email at [tjolly@mewbourne.com](mailto:tjolly@mewbourne.com) if you have any questions.

Very truly yours,

MEWBOURNE OIL COMPANY



Tyler Jolly  
Landman

Enclosure

Exhibit  
C

**Summary of Communications**  
Heavyweights 17-18 WOPM Fee #1H

Aimee Lee Campbell

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 11, 2019 is also included.

Barbara Jane Runyan,  
Trustee of the Barbara Jane Runyan Revocable Trust

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt May 20 2019 is also included.

B & E, Inc

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 12, 2019 is also included.

Calvani Farms, LLC

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 8, 2019 is also included.

Carlsbad National Bank,  
Trustee of the Erminia M. Holder Trust

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 8, 2019 is also included.

Carlsbad National Bank,  
Trustee under the Will of William Holder

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 8, 2019 is also included.

Carolyn J. Bingham

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 22, 2019 is also included.

Carolyn J. Bingham

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 8, 2019 is also included.

Carolyn Wheeler Williams

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt May 9, 2019 is also included.

Circle S Feed Store, LLC

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 8, 2019 is also included.

Clinton James Coleman

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 12, 2019 is also included.

ConocoPhillips Company

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 10, 2019 is also included.
- 2) Phone conversation June 4<sup>th</sup> about Operating Agreement and well proposal.

Gary L. Roberts

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt May 13, 2019 is also included.

Heirs or Devisees of Opal Marie Benz Funk

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 11, 2019 is also included.

Heirs or Devisees of Opal Marie Benz Funk

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 13, 2019 is also included.

Heirs or Devisees of Opal Marie Benz Funk

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 12, 2019 is also included.

Heirs or Devisees of Robert M. Calvani

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 12, 2019 is also included.

Heirs or Devisees of Robert M. Calvani

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt May 13, 2019 is also included.

Heirs or Devisees of Robert M. Calvani

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt June 3, 2019 is also included.

Heirs or Devisees of Robert M. Calvani

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 11, 2019 is also included.

Heirs or Devisees of Robert M. Calvani

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 9, 2019 is also included.



Loretta L. Weldon, Trustee of the Phil H. Weldon  
and Loretta L. Weldon Family Trust under Trust Agreement

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 15, 2019 is also included.

Margaret Keeling Guengerich

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 10, 2019 is also included.

Krista Lee Culberson

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt May 8, 2019 is also included.

Mackinnon Dean Campbell

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 11, 2019 is also included.

Phyllis Marie Western

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt May 3, 2019 is also included.

Raymond C. Foreman and wife, Frances Forman

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt June 3, 2019 is also included.

Raymond C. Foreman and wife, Frances Forman

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 15, 2019 is also included.

Richard A. Snead and wife, Terrie Jo Smead

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 8, 2019 is also included.

Robert Lynn Pack

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 25, 2019 is also included.

Romulus Anclé Wisener

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 15, 2019 is also included.

Romulus Anclé Wisener

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 15, 2019 is also included.

Ronald Fischer

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt May 2, 2019 is also included.

Shawn A. Judah

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 8, 2019 is also included.

Steven Fischer

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 8, 2019 is also included.

St. Edward Catholic School

- 1) Mailed well proposal via Certified Mail April 3, 2019; proof of receipt April 8, 2019 is also included.

Vivian Geraldine Burrhus

- 1) Mailed well proposal via Certified Mail April 2, 2019; proof of receipt April 15, 2019 is also included.

Eddie Lee Fischer

- 1) Mailed well proposal via Certified Mail April 2, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

Mary Cooper

- 1) Mailed well proposal via Certified Mail April 3, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

Devon Energy Production Company, L.P.

- 1) Mailed well proposal via Certified Mail April 3, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

Everett L. Wheeler

- 1) Mailed well proposal via Certified Mail April 3, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

Frances N. Ballard

- 1) Mailed well proposal via Certified Mail April 3, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

Henry Grandi and wife, Kathryn

- 1) Mailed well proposal via Certified Mail April 3, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

James B. Garrett and wife, Donna Mae Garrett

- 1) Mailed well proposal via Certified Mail April 3, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

Albert & Jerry Calvani and Nancy E. Calvani,  
Trustees of the Jery and Nancy Calvani Revocable Trust

- 1) Mailed well proposal via Certified Mail April 2, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

Jimmy Fischer

- 1) Mailed well proposal via Certified Mail April 2, 2019; no proof of delivery was sent back to Mewbourne Oil Company.

**TRACT OWNERSHIP**  
**Heavyweights 17-18 W0PM Fee #1H**  
**S2 of Section 17 & S2 of Section 18, T22S, R27E, Eddy County, NM**

|  |        |
|--|--------|
| Mewbourne Oil Company, et al.  | 82.95% |
| Barbara Jane Runyan,<br>Trustee of the Barbara Jane Runyan Revocable Trust                                   | 0.2%   |
| Aimee Lee Campbell   | 0.2%   |
| B & E, Inc   | 0.40%  |
| Calvani Farms, LLC   | 0.60%  |
| Carlsbad National Bank,<br>Trustee of the Erminia M. Holder Trust  | 0.45%  |
| Carlsbad National Bank,<br>Trustee under the Will of William Holder  | 0.45%  |
| Carolyn J. Bingham   | 0.35%  |
| Carolyn Wheeler Williams   | 0.30%  |
| Clinton James Coleman  | 0.30%  |
| ConocoPhillips Company   | 0.50%  |
| Gary L. Roberts  | 0.40%  |
| Heirs or devisees of Opal Marie Benz Funk  | 0.60%  |
| Heirs or devisees of Robert M. Calvani   | 0.80%  |
| Loretta L. Weldon, Trustee of the Phil H. Weldon<br>and Loretta L. Weldon Family Trust under Trust Agreement | 0.90%  |
| Margaret Keeling Guengerich  | 0.80%  |
| Krista Lee Culberson   | 0.70%  |
| Mackinnon Dean Campbell  | 0.50%  |
| Phyllis Marie Western  | 0.35%  |
| Raymond C. Foreman and wife, Frances Forman  | 0.35%  |
| Richard A. Snead and wife, Terrie Jo Smead   | 0.45%  |
| Robert Lynn Pack   | 0.90%  |
| Romalus Ancia Wisener  | 0.20%  |
| Ronald Fischer   | 0.30%  |
| Shawn A. Judah   | 0.40%  |
| Steven Fischer   | 0.20%  |
| St. Edward Catholic School   | 0.10%  |
| Vivian Geraldine Burrhus   | 0.20%  |
| Eddie Lee Fischer  | 0.30%  |
| Mary Cooper  | 0.45%  |
| Devon Energy Production Company, L.P.  | 1.5%   |
| Everett L. Wheeler   | 0.50%  |
| Frances N. Ballard   | 0.60%  |
| Henry Grandi and wife, Kathryn   | 0.30%  |

**Exhibit  
D**

|  |                |
|--|----------------|
| James B. Garrett and wife, Donna Mae Garrett   | 0.25%          |
| Albert & Jerry Calvani and Nancy E. Calvani,<br>Trustees of the Jery and Nancy Calvani Revocable Trust | 0.95%          |
| Jimmy Fischer  | 0.30%          |
| <b>Total</b>   | <b>100.00%</b> |

\*Indicated parties being pooled. Total interest is 17.05% of proration unit.





## HINKLE SHANOR LLP

ATTORNEYS AT LAW

PO BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER

Gary W. Larson,  
Partner

glarson@hinklelawfirm.com

May 23, 2019

### VIA CERTIFIED MAIL

ConocoPhillips Company  
P.O. Box 2197  
Houston, TX 77252-2197

Re: Mewbourne Oil Company NMOCD Application

Dear Sir or Madam:

Enclosed is a copy of an application for compulsory pooling that Mewbourne Oil Company ("Mewbourne") has filed with the New Mexico Oil Conservation Division ("the Division"). Mewbourne's application requests the pooling of all uncommitted mineral interests in the Wolfcamp formation in a 640-acre standard horizontal spacing unit comprised of the S/2 of Section 17 and the S/2 of Section 18, Township 22 South, Range 27 East, N.M.P.M., Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, June 13, 2019 in Porter Hall at the Division's offices located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. ConocoPhillips Company ("ConocoPhillips") is not required to attend this hearing, but as an owner of an interest that may be affected by Mewbourne's application, it may appear at the hearing and present testimony. If ConocoPhillips does not appear at that time and become a party of record, it will be precluded from contesting the matter at a later date.

A party appearing in a Division case is required by the Division's Rules to file a Pre-Hearing Statement, which in this matter must be filed no later than Thursday, June 6, 2019. The Pre-Hearing Statement must be filed with the Division's Santa Fe office at the address above, and should include: the name of the party and the party's 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 amount of time the party will need to present the party's case; and an identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to me.

Thank you for your attention to this matter.

Very truly yours,

Gary W. Larson

GWL:smi  
Enclosure

**Exhibit**  
**E**

PO BOX 10  
ROSWELL, NEW MEXICO 88202  
575-622-6510  
(FAX) 575-623-9332

PO BOX 1720  
ARTESIA, NEW MEXICO 88211  
575-622-6510  
(FAX) 575-746-6316

(FAX) 505-982-8623

7601 JEFFERSON ST NE • SUITE 180  
ALBUQUERQUE, NEW MEXICO 87109  
505-858-8320  
(FAX) 505-858-8321



## 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:

James B. and Donna Mae Garrett  
1513 16<sup>th</sup> Street  
Alamogordo, NM 88310



9590 9402 4821 9032 2709 01

2. Article Number (Transfer from service label)

7018 2290 0000 3431 1991

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *James B. Garrett*☐ Agent☐ Addressee

B. Received by (Printed Name)

JAMES B. GARRETT

C. Date of Delivery

5/28/19

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

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery

Delivery Restricted Delivery

☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

(over \$500) Restricted Delivery

## 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:

871 DFE 1- 5140665/22  
NOTIFY SENDER OF NEW ADDRESS  
CIRCLE S FEED STORE LLC  
PO BOX 1136  
CARLSBAD NM 88221-1136

BC: 88221113636 \* 0268-01077-23-42



9590 9402 4821 9032 2126 04

2. Article Number (Transfer from service label)

7018 2290 0000 3423 5495

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *W*☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes  
If YES, enter delivery address below: ☐ No☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

## 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, Inc.  
600 N. Marienfield Street, Ste 600  
Midland, TX 79701



9590 9402 4821 9032 2708 64

2. Article Number (Transfer from service label)

7018 2290 0000 3431 2035

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

## COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Sam Waldon*☐ Agent☐ Addressee

B. Received by (Printed Name)

Sam Waldon

C. Date of Delivery

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

3. Service Type

☐ Adult Signature☐ Adult Signature Restricted Delivery☒ Certified Mail®☐ Certified Mail Restricted Delivery☐ Collect on Delivery☐ Collect on Delivery Restricted Delivery☐ Priority Mail Express®☐ Registered Mail™☐ Registered Mail Restricted Delivery☐ Return Receipt for Merchandise☐ Signature Confirmation™☐ Signature Confirmation Restricted Delivery

Restricted Delivery



| SENDER: COMPLETE THIS SECTION   |  | COMPLETE THIS SECTION ON DELIVERY   |  |
|---|--|---|--|
| <p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>   |  | <p>A. Signature<br/>X <i>M. Ke Holmes</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>  |  |
| <p>1. Article Addressed to:</p> <p>Krista Leigh Culberson<br/>P.O. Box 244<br/>Buckner, MO 64016</p>  |  | <p>B. Received by (Printed Name)<br/>M. Ke Holmes</p> <p>C. Date of Delivery<br/>MAY 29 2019</p>  |  |
| <p>2. Article Number (Transfer from service label)<br/>7018 2290 0000 3431 2011</p>   |  | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br/>If YES, enter delivery address below:</p>  |  |
| <p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery</p> <p><input checked="" type="checkbox"/> Certified Mail®</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery</p> <p><input type="checkbox"/> Collect on Delivery</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail</p> |  | <p><input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Signature Confirmation Restricted Delivery</p> |  |
| <p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>   |  | <p>Domestic Return Receipt</p>  |  |

| SENDER: COMPLETE THIS SECTION   |  | COMPLETE THIS SECTION ON DELIVERY   |  |
|---|--|---|--|
| <p>■ Complete items 1, 2, and 3.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>   |  | <p>A. Signature<br/>X <i>Rooney E. Keating</i> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>   |  |
| <p>1. Article Addressed to:</p> <p>Margaret Keeling Guengerich<br/>10277 E. Rock Creek Lane<br/>Pearce, AR 72562</p>  |  | <p>B. Received by (Printed Name)<br/>Rooney E. Keating</p> <p>C. Date of Delivery<br/>6-2-19</p>  |  |
| <p>2. Article Number (Transfer from service label)<br/>7018 2290 0000 3431 2042</p>   |  | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br/>If YES, enter delivery address below:</p>  |  |
| <p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery</p> <p><input checked="" type="checkbox"/> Certified Mail®</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery</p> <p><input type="checkbox"/> Collect on Delivery</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail</p> |  | <p><input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Signature Confirmation Restricted Delivery</p> |  |
| <p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>   |  | <p>Domestic Return Receipt</p>  |  |



# CARLSBAD CURRENT-ARGUS

## AFFIDAVIT OF PUBLICATION

Ad No.  
0001286861

HINKLE SHANOR, LLP  
P.O. BOX 2068

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 on the date as follows, to wit:

05/24/19

Legal Clerk

Subscribed and sworn before me this  
24th of May 2019.

State of WI, County of Brown  
NOTARY PUBLIC

My Commission Expires

This is to notify all interested parties, including St. Edward Catholic School, Shawn A. Judah, Raymond C. Foreman, Frances Foreman, Mary Cooper, Mackinnon Dean Campbell, Krista Leigh Culberson, Carolyn J. Bingham, Carlsbad National Bank, Trustee under the Will of William Holder, Carlsbad National Bank, Trustee of the Erminia M. Holder Trust, Barbara Jane Runyan, Trustee of the Barbara Jane Runyan Revocable Trust, Aimee Lee Campbell, Clinton James Coleman, Gary L. Roberts, the Heirs and Devises of Opal Marie Benz Funk, the Heirs and Devises of Robert M. Calvani, B&E, Inc., Romulus Anle Wisener, Carolyn Wheeler Williams, Circle S. Feed Store, LLC, ConocoPhillips Company, Devon Energy Production Company, L.P., Eddie Lee Fischer, Everett L. Wheeler, Frances N. Ballard, Henry Grandi, Kathryn Grandi, James B. Garrett, Donna Mae Garrett, Jimmy Fischer, Magnum Hunter Production, Inc., Margaret Keeling Guengerich, Loretta L. Weldon, Trustee of the Phil H. Weldon and Loretta L. Weldon Family Trust, Phyllis Marie Western, Richard A. Smead, Terrie Jo Smead, Robert Lynn Pack, Ronald Fischer, Steven Fischer, Vivian Geraldine Burrhus and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Mewbourne Oil Company at 8:15 a.m. on June 13, 2019 in Porter Hall at 1220 South St. Francis Drive, Santa Fe, New Mexico. Mewbourne Oil Company seeks an order pooling all uncommitted mineral interests in the Wolfcamp formation in a standard 640-acre standard horizontal spacing unit comprised of the S/2 of Section 17 and the S/2 of Section 18, Township 22 South, Range 27 East in Eddy County, New Mexico. The horizontal spacing unit is to be dedicated to Mewbourne Oil Company's proposed Heavyweights 17/18 WOPM Fee #1H well, which will be horizontally drilled from a surface location in Unit P in Section 17 to a bottom hole location in Unit M in Section 18, Township 22 South, Range 27 East. The completed interval for the well will be orthodox. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost, the designation of Mewbourne Oil Company as the operator of the well, and a 200% charge for the risk involved in drilling and completing the well. The well location is approximately one-half mile east of Carlsbad, New Mexico.

May 24, 2019

Ad#:0001286861  
P O : Heavyweights #1  
# of Affidavits :0.00

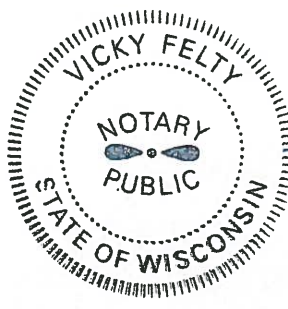


Exhibit  
F

**AUTHORIZATION FOR EXPENDITURE**

## Exhibit G



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

**APPLICATION OF MEWBOURNE OIL  
COMPANY FOR COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO**

**Case No. 20506**

**SELF-AFFIRMED STATEMENT OF  
TYLER HILL**

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein.

2. I am a geologist at Mewbourne Oil Company ("Mewbourne"). I am familiar with the development of Mewbourne's proposed well and the geological matters that pertain to Mewbourne's application.

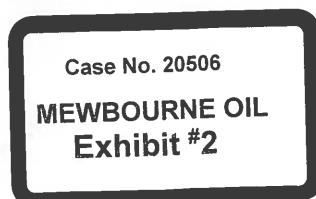
3. Attached hereto as Exhibit A is a structure contour map depicting the top of the Wolfcamp formation. The map depicts the Wolfcamp formation in the vicinity of Mewbourne's proposed Heavyweights 17/18 WOPM Fee #1H well and a line of cross section.

4. Attached hereto as Exhibit B is a cross section running west to east which identifies the target for the proposed well.

5. Attached hereto as Exhibit C is a production data table identifying Wolfcamp wells in the surrounding area that have been drilled in the same zone that Mewbourne is targeting.

6. Based on the information contained in Exhibits A, B, and C, I am able to conclude that:

- a) The horizontal spacing unit ("HSU") for the proposed well is justified from a geologic standpoint;
- b) An east to west orientation is preferred;



c) There is no faulting or other geologic impediment that could adversely affect the drilling of the proposed well; and

d) Each quarter section in the HSU will contribute more or less equally to production.

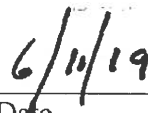
7. The well plan for the Heavyweights 17/18 W0PM Fee #1H well is attached hereto as Exhibit D. The producing interval of the well will be orthodox.

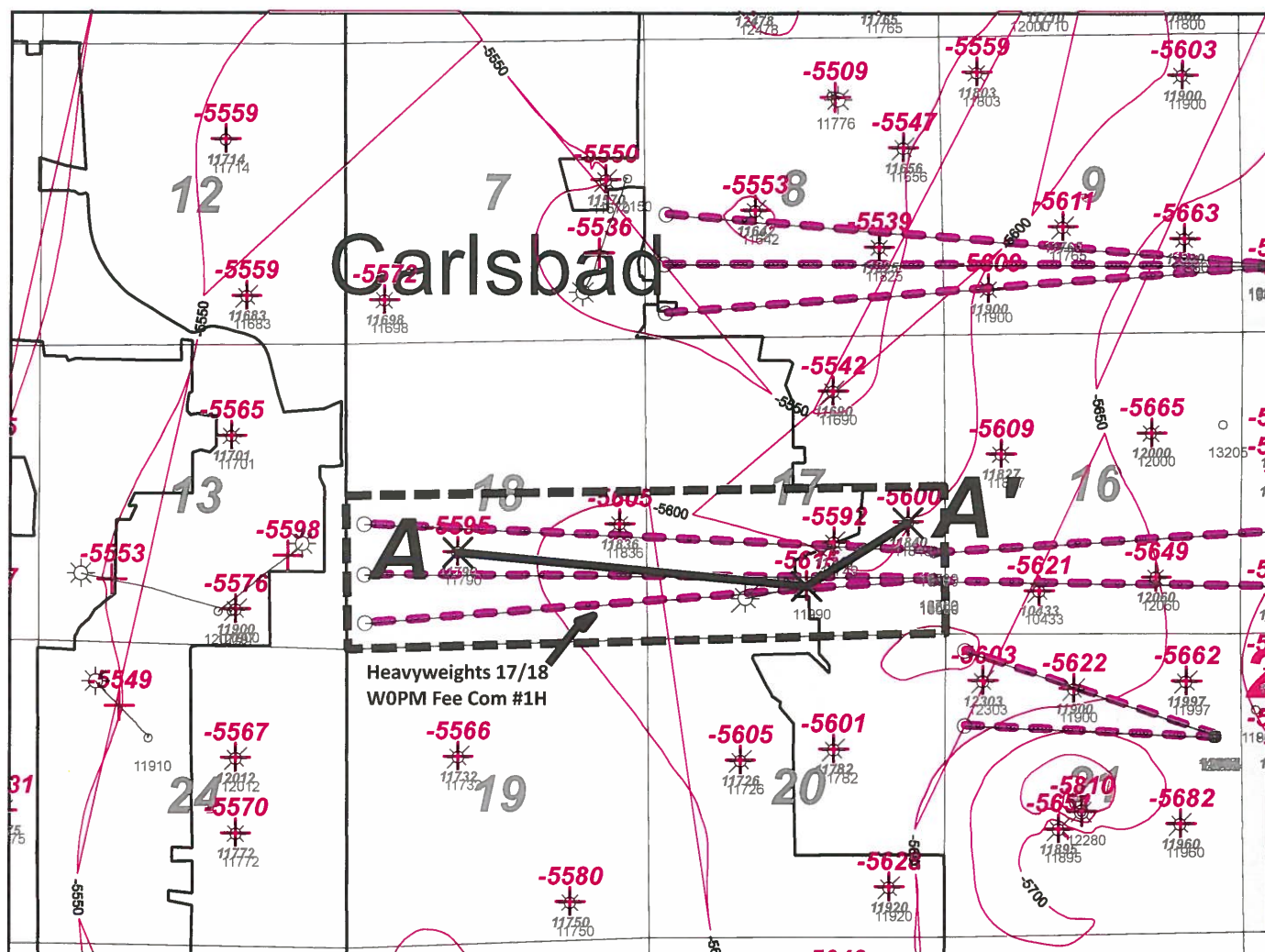
8. Exhibits A through D were either prepared by me or compiled from company records.

9. In my opinion, the granting of Mewbourne's application will serve the interests of conservation and the prevention of waste.

10. 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 9 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.

  
Tyler Hill


  
Date



Activity Color Code (Permitted Horizons)

Wolfcamp Sand



|  |         |                       |
|--|---------|-----------------------|
|  <b>Mewbourne Oil Company</b> |         |                       |
| <b>Heavyweights 17/18 WOPM Fee Com #1H</b><br><i>Structure top WFMP (CL 50')</i>                                 |         |                       |
| Author: T. Hill  | County: | Date:<br>6 June, 2019 |
| Scale: 1.0"=3000'  |         |                       |

1 inch = 3000 feet



**Exhibit  
A**

**A'**



Heavyweights Area Wolfcamp Production Table

| API          | Well Name                     | Well Number | Operator  | Location        | Field       | Cum Oil (Mbo) | Cum Gas (Bcf) | Cum Water (Mbw) | First Prod Date | WFMP Zone    |
|--------------|-------------------------------|-------------|-----------|-----------------|-------------|---------------|---------------|-----------------|-----------------|--------------|
| 300154437400 | CYPRESS FEE 23 27 9           | 2H          | MARATHON  | 9L-9P/23S/27E   | PURPLE SAGE | 29            | 0.31          | 162             | 5/1/2018        | WFMP C Shale |
| 300154404600 | CYPRESS                       | 1H          | MARATHON  | 9M-9P/23S/27E   | PURPLE SAGE | 178           | 0.41          | 666             | 5/1/2017        | WFMP Y Sand  |
| 300154408200 | MICHAEL COLLINS 11 23S 27E RB | 208H        | MATADOR   | 11P-11M/23S/27E | PURPLE SAGE | 160           | 0.41          | 540             | 9/1/2017        | WFMP Y Sand  |
| 300154437600 | CYPRESS FEE 23 27 9           | 4H          | MARATHON  | 9L-9P/23S/27E   | PURPLE SAGE | 33            | 0.10          | 156             | 5/1/2018        | WFMP Y Sand  |
| 300154437700 | CYPRESS FEE 23 27 9           | 5H          | MARATHON  | 9L-9P/23S/27E   | PURPLE SAGE | 82            | 0.26          | 330             | 3/1/2018        | WFMP Y Sand  |
| 300154437800 | CYPRESS FEE 23 27 9           | 6H          | MARATHON  | 9L-9P/23S/27E   | PURPLE SAGE | 24            | 0.70          | 594             | 6/1/2018        | WFMP Y Sand  |
| 300154438000 | CYPRESS FEE 23 27 9           | 8H          | MARATHON  | 9L-9P/23S/27E   | PURPLE SAGE | 44            | 0.24          | 251             | 3/1/2018        | WFMP Y Sand  |
| 300154444300 | MICHAEL COLLINS 11 23S 27E RB | 203H        | MATADOR   | 11I-11L/23S/27E | PURPLE SAGE | 123           | 0.35          | 421             | 2/1/2018        | WFMP Y Sand  |
| 300154447200 | MICHAEL COLLINS 11 23S 27E RB | 206H        | MATADOR   | 11I-11E/23S/27E | PURPLE SAGE | 114           | 0.25          | 405             | 2/1/2018        | WFMP Y Sand  |
| 300154454400 | WOLFMAN 5 4 WOLI FEDERAL COM  | 1H          | MEWBOURNE | 5L-4I/23S/27E   | PURPLE SAGE | 242           | 0.46          | 475             | 4/1/2018        | WFMP Y Sand  |

Exhibit  
C



# **Mewbourne Oil Company**

**Eddy County, New Mexico NAD 83**

**Heavyweights 17/18 W0PM Fee #1H**

**Sec 17, T22S, R27E**

**SHL: 970' FSL & 205' FEL, Sec 17**

**BHL: 440' FSL & 330' FWL, Sec 18**

**Plan: Design #1**

## **Standard Planning Report**

**30 April, 2019**

**Exhibit  
D**

## Planning Report

**Database:** Hobbs  
**Company:** Mewbourne Oil Company  
**Project:** Eddy County, New Mexico NAD 83  
**Site:** Heavyweights 17/18 W0PM Fee #1H  
**Well:** Sec 17, T22S, R27E  
**Wellbore:** BHL: 440' FSL & 330' FWL, Sec 18  
**Design:** Design #1

**Local Co-ordinate Reference:** Site Heavyweights 17/18 W0PM Fee #1H  
**TVD Reference:** WELL @ 3145.0usft (Original Well Elev)  
**MD Reference:** WELL @ 3145.0usft (Original Well Elev)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

|                    |                                |                      |                |
|--------------------|--------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, New Mexico NAD 83 |                      |                |
| <b>Map System:</b> | US State Plane 1983            | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983      |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone        |                      |                |

|   |          |                     |                 |                          |              |
|---|----------|---------------------|-----------------|--------------------------|--------------|
| <b>Site</b> Heavyweights 17/18 W0PM Fee #1H |          |                     |                 |                          |              |
| <b>Site Position:</b>                       |          | <b>Northing:</b>    | 504,997.00 usft | <b>Latitude:</b>         | 32.3882388   |
| <b>From:</b>                                | Map      | <b>Easting:</b>     | 581,368.00 usft | <b>Longitude:</b>        | -104.2036483 |
| <b>Position Uncertainty:</b>                | 0.0 usft | <b>Slot Radius:</b> | 13-3/16 "       | <b>Grid Convergence:</b> | 0.07 °       |

|                                |       |          |                            |                 |                      |              |
|--------------------------------|-------|----------|----------------------------|-----------------|----------------------|--------------|
| <b>Well</b> Sec 17, T22S, R27E |       |          |                            |                 |                      |              |
| <b>Well Position</b>           | +N/-S | 0.0 usft | <b>Northing:</b>           | 504,997.00 usft | <b>Latitude:</b>     | 32.3882388   |
|                                | +E/-W | 0.0 usft | <b>Easting:</b>            | 581,368.00 usft | <b>Longitude:</b>    | -104.2036483 |
| <b>Position Uncertainty</b>    |       | 0.0 usft | <b>Wellhead Elevation:</b> | 3,145.0 usft    | <b>Ground Level:</b> | 3,118.0 usft |

|  |                   |                    |                           |                         |                               |
|--|-------------------|--------------------|---------------------------|-------------------------|-------------------------------|
| <b>Wellbore</b> BHL: 440' FSL & 330' FWL, Sec 18 |                   |                    |                           |                         |                               |
| <b>Magnetics</b>                                 | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b><br>(°) | <b>Dip Angle</b><br>(°) | <b>Field Strength</b><br>(nT) |
|  | IGRF2010          | 4/30/2019          | 6.92                      | 60.04                   | 47,865                        |

|                          |                                   |                        |                        |                         |
|--------------------------|-----------------------------------|------------------------|------------------------|-------------------------|
| <b>Design</b> Design #1  |                                   |                        |                        |                         |
| <b>Audit Notes:</b>      |                                   |                        |                        |                         |
| <b>Version:</b>          | <b>Phase:</b>                     | PROTOTYPE              | <b>Tie On Depth:</b>   | 0.0                     |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b><br>(usft) | <b>+N/-S</b><br>(usft) | <b>+E/-W</b><br>(usft) | <b>Direction</b><br>(°) |
|                          | 0.0                               | 0.0                    | 0.0                    | 265.80                  |

| <b>Plan Sections</b>        |                    |                |                             |                 |                 |                               |                              |                             |            |                       |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|-----------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) | TFO<br>(°) | Target                |
| 0.0                         | 0.00               | 0.00           | 0.0                         | 0.0             | 0.0             | 0.00                          | 0.00                         | 0.00                        | 0.00       |                       |
| 1,800.0                     | 0.00               | 0.00           | 1,800.0                     | 0.0             | 0.0             | 0.00                          | 0.00                         | 0.00                        | 0.00       |                       |
| 2,054.2                     | 5.08               | 159.54         | 2,053.9                     | -10.6           | 3.9             | 2.00                          | 2.00                         | 0.00                        | 159.54     |                       |
| 8,159.0                     | 5.08               | 159.54         | 8,134.7                     | -517.4          | 193.1           | 0.00                          | 0.00                         | 0.00                        | 0.00       |                       |
| 8,413.2                     | 0.00               | 0.00           | 8,388.5                     | -528.0          | 197.0           | 2.00                          | -2.00                        | 0.00                        | 180.00     | KOP: 440' FSL & 10' I |
| 9,164.9                     | 90.20              | 268.80         | 8,866.0                     | -538.1          | -282.1          | 12.00                         | 12.00                        | 0.00                        | -91.20     |                       |
| 19,020.1                    | 90.20              | 268.80         | 8,831.0                     | -745.0          | -10,135.0       | 0.00                          | 0.00                         | 0.00                        | 0.00       | BHL: 440' FSL & 330'  |

## Planning Report

**Database:** Hobbs  
**Company:** Mewbourne Oil Company  
**Project:** Eddy County, New Mexico NAD 83  
**Site:** Heavyweights 17/18 W0PM Fee #1H  
**Well:** Sec 17, T22S, R27E  
**Wellbore:** BHL: 440' FSL & 330' FWL, Sec 18  
**Design:** Design #1

**Local Co-ordinate Reference:**  
**TVD Reference:**  
**MD Reference:**  
**North Reference:**  
**Survey Calculation Method:**

Site Heavyweights 17/18 W0PM Fee #1H  
 WELL @ 3145.0usft (Original Well Elev)  
 WELL @ 3145.0usft (Original Well Elev)  
 Grid  
 Minimum Curvature

### Planned Survey

| Measured Depth (usft)                    | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.0                                      | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>SHL: 970' FSL &amp; 205' FEL (17)</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 100.0                                    | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                                    | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                                    | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                                    | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                                    | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                                    | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                                    | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                                    | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                                    | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0                                  | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0                                  | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0                                  | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0                                  | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0                                  | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0                                  | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0                                  | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0                                  | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0                                  | 0.00            | 0.00        | 1,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0                                  | 2.00            | 159.54      | 1,900.0               | -1.6         | 0.6          | -0.5                    | 2.00                    | 2.00                   | 0.00                  |
| 2,000.0                                  | 4.00            | 159.54      | 1,999.8               | -6.5         | 2.4          | -2.0                    | 2.00                    | 2.00                   | 0.00                  |
| 2,054.2                                  | 5.08            | 159.54      | 2,053.9               | -10.6        | 3.9          | -3.2                    | 2.00                    | 2.00                   | 0.00                  |
| 2,100.0                                  | 5.08            | 159.54      | 2,099.5               | -14.4        | 5.4          | -4.3                    | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0                                  | 5.08            | 159.54      | 2,199.1               | -22.7        | 8.5          | -6.8                    | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0                                  | 5.08            | 159.54      | 2,298.7               | -31.0        | 11.6         | -9.3                    | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0                                  | 5.08            | 159.54      | 2,398.3               | -39.3        | 14.7         | -11.7                   | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0                                  | 5.08            | 159.54      | 2,497.9               | -47.6        | 17.8         | -14.2                   | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0                                  | 5.08            | 159.54      | 2,597.5               | -55.9        | 20.8         | -16.7                   | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0                                  | 5.08            | 159.54      | 2,697.1               | -64.2        | 23.9         | -19.2                   | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0                                  | 5.08            | 159.54      | 2,796.7               | -72.5        | 27.0         | -21.7                   | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0                                  | 5.08            | 159.54      | 2,896.3               | -80.8        | 30.1         | -24.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0                                  | 5.08            | 159.54      | 2,995.9               | -89.1        | 33.2         | -26.6                   | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0                                  | 5.08            | 159.54      | 3,095.6               | -97.4        | 36.3         | -29.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0                                  | 5.08            | 159.54      | 3,195.2               | -105.7       | 39.4         | -31.6                   | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0                                  | 5.08            | 159.54      | 3,294.8               | -114.0       | 42.5         | -34.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0                                  | 5.08            | 159.54      | 3,394.4               | -122.3       | 45.6         | -36.5                   | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0                                  | 5.08            | 159.54      | 3,494.0               | -130.6       | 48.7         | -39.0                   | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0                                  | 5.08            | 159.54      | 3,593.6               | -138.9       | 51.8         | -41.5                   | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0                                  | 5.08            | 159.54      | 3,693.2               | -147.2       | 54.9         | -44.0                   | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0                                  | 5.08            | 159.54      | 3,792.8               | -155.5       | 58.0         | -46.5                   | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0                                  | 5.08            | 159.54      | 3,892.4               | -163.8       | 61.1         | -48.9                   | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0                                  | 5.08            | 159.54      | 3,992.0               | -172.1       | 64.2         | -51.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0                                  | 5.08            | 159.54      | 4,091.6               | -180.4       | 67.3         | -53.9                   | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0                                  | 5.08            | 159.54      | 4,191.2               | -188.7       | 70.4         | -56.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0                                  | 5.08            | 159.54      | 4,290.8               | -197.0       | 73.5         | -58.9                   | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0                                  | 5.08            | 159.54      | 4,390.4               | -205.3       | 76.6         | -61.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0                                  | 5.08            | 159.54      | 4,490.0               | -213.6       | 79.7         | -63.8                   | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0                                  | 5.08            | 159.54      | 4,589.6               | -221.9       | 82.8         | -66.3                   | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0                                  | 5.08            | 159.54      | 4,689.3               | -230.2       | 85.9         | -68.8                   | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0                                  | 5.08            | 159.54      | 4,788.9               | -238.5       | 89.0         | -71.3                   | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0                                  | 5.08            | 159.54      | 4,888.5               | -246.8       | 92.1         | -73.8                   | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0                                  | 5.08            | 159.54      | 4,988.1               | -255.1       | 95.2         | -76.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0                                  | 5.08            | 159.54      | 5,087.7               | -263.5       | 98.3         | -78.7                   | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                                  |                                     |  |
|------------------|----------------------------------|-------------------------------------|--|
| <b>Database:</b> | Hobbs                            | <b>Local Co-ordinate Reference:</b> | Site Heavyweights 17/18 W0PM Fee #1H   |
| <b>Company:</b>  | Mewbourne Oil Company            | <b>TVD Reference:</b>               | WELL @ 3145.0usft (Original Well Elev) |
| <b>Project:</b>  | Eddy County, New Mexico NAD 83   | <b>MD Reference:</b>                | WELL @ 3145.0usft (Original Well Elev) |
| <b>Site:</b>     | Heavyweights 17/18 W0PM Fee #1H  | <b>North Reference:</b>             | Grid                                   |
| <b>Well:</b>     | Sec 17, T22S, R27E               | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Wellbore:</b> | BHL: 440' FSL & 330' FWL, Sec 18 |                                     |  |
| <b>Design:</b>   | Design #1                        |                                     |  |

### Planned Survey

| Measured Depth (usft)                    | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,200.0                                  | 5.08            | 159.54      | 5,187.3               | -271.8       | 101.4        | -81.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0                                  | 5.08            | 159.54      | 5,286.9               | -280.1       | 104.5        | -83.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0                                  | 5.08            | 159.54      | 5,386.5               | -288.4       | 107.6        | -86.2                   | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0                                  | 5.08            | 159.54      | 5,486.1               | -296.7       | 110.7        | -88.6                   | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0                                  | 5.08            | 159.54      | 5,585.7               | -305.0       | 113.8        | -91.1                   | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0                                  | 5.08            | 159.54      | 5,685.3               | -313.3       | 116.9        | -93.6                   | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0                                  | 5.08            | 159.54      | 5,784.9               | -321.6       | 120.0        | -96.1                   | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0                                  | 5.08            | 159.54      | 5,884.5               | -329.9       | 123.1        | -98.6                   | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0                                  | 5.08            | 159.54      | 5,984.1               | -338.2       | 126.2        | -101.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0                                  | 5.08            | 159.54      | 6,083.7               | -346.5       | 129.3        | -103.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0                                  | 5.08            | 159.54      | 6,183.4               | -354.8       | 132.4        | -106.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0                                  | 5.08            | 159.54      | 6,283.0               | -363.1       | 135.5        | -108.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0                                  | 5.08            | 159.54      | 6,382.6               | -371.4       | 138.6        | -111.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0                                  | 5.08            | 159.54      | 6,482.2               | -379.7       | 141.7        | -113.4                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0                                  | 5.08            | 159.54      | 6,581.8               | -388.0       | 144.8        | -115.9                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0                                  | 5.08            | 159.54      | 6,681.4               | -396.3       | 147.9        | -118.4                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0                                  | 5.08            | 159.54      | 6,781.0               | -404.6       | 151.0        | -120.9                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0                                  | 5.08            | 159.54      | 6,880.6               | -412.9       | 154.1        | -123.4                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0                                  | 5.08            | 159.54      | 6,980.2               | -421.2       | 157.2        | -125.9                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0                                  | 5.08            | 159.54      | 7,079.8               | -429.5       | 160.3        | -128.3                  | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0                                  | 5.08            | 159.54      | 7,179.4               | -437.8       | 163.4        | -130.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0                                  | 5.08            | 159.54      | 7,279.0               | -446.1       | 166.4        | -133.3                  | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0                                  | 5.08            | 159.54      | 7,378.6               | -454.4       | 169.5        | -135.8                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0                                  | 5.08            | 159.54      | 7,478.2               | -462.7       | 172.6        | -138.3                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0                                  | 5.08            | 159.54      | 7,577.8               | -471.0       | 175.7        | -140.7                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0                                  | 5.08            | 159.54      | 7,677.5               | -479.3       | 178.8        | -143.2                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0                                  | 5.08            | 159.54      | 7,777.1               | -487.6       | 181.9        | -145.7                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0                                  | 5.08            | 159.54      | 7,876.7               | -495.9       | 185.0        | -148.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0                                  | 5.08            | 159.54      | 7,976.3               | -504.2       | 188.1        | -150.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0                                  | 5.08            | 159.54      | 8,075.9               | -512.5       | 191.2        | -153.1                  | 0.00                    | 0.00                   | 0.00                  |
| 8,159.0                                  | 5.08            | 159.54      | 8,134.7               | -517.4       | 193.1        | -154.6                  | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0                                  | 4.26            | 159.54      | 8,175.5               | -520.6       | 194.2        | -155.5                  | 2.00                    | -2.00                  | 0.00                  |
| 8,300.0                                  | 2.26            | 159.54      | 8,275.3               | -525.9       | 196.2        | -157.1                  | 2.00                    | -2.00                  | 0.00                  |
| 8,400.0                                  | 0.26            | 159.54      | 8,375.3               | -528.0       | 197.0        | -157.8                  | 2.00                    | -2.00                  | 0.00                  |
| 8,413.2                                  | 0.00            | 0.00        | 8,388.5               | -528.0       | 197.0        | -157.8                  | 2.00                    | -2.00                  | 0.00                  |
| <b>KOP: 440' FSL &amp; 10' FEL (17)</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,500.0                                  | 10.41           | 268.80      | 8,474.8               | -528.2       | 189.1        | -149.9                  | 12.00                   | 12.00                  | 0.00                  |
| 8,600.0                                  | 22.41           | 268.80      | 8,570.6               | -528.8       | 160.9        | -121.7                  | 12.00                   | 12.00                  | 0.00                  |
| 8,700.0                                  | 34.41           | 268.80      | 8,658.4               | -529.8       | 113.5        | -74.3                   | 12.00                   | 12.00                  | 0.00                  |
| 8,800.0                                  | 46.41           | 268.80      | 8,734.4               | -531.1       | 48.8         | -9.7                    | 12.00                   | 12.00                  | 0.00                  |
| 8,900.0                                  | 58.41           | 268.80      | 8,795.3               | -532.8       | -30.3        | 69.3                    | 12.00                   | 12.00                  | 0.00                  |
| 9,000.0                                  | 70.41           | 268.80      | 8,838.4               | -534.7       | -120.3       | 159.2                   | 12.00                   | 12.00                  | 0.00                  |
| 9,004.9                                  | 71.01           | 268.80      | 8,840.0               | -534.8       | -125.0       | 163.9                   | 12.00                   | 12.00                  | 0.00                  |
| <b>FTP: 440' FSL &amp; 330' FEL (17)</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,100.0                                  | 82.41           | 268.80      | 8,861.8               | -536.7       | -217.3       | 256.1                   | 12.00                   | 12.00                  | 0.00                  |
| 9,165.0                                  | 90.20           | 268.80      | 8,866.0               | -538.1       | -282.1       | 320.8                   | 11.99                   | 11.99                  | 0.00                  |
| <b>LP: 440' FSL &amp; 487' FEL (17)</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,200.0                                  | 90.20           | 268.80      | 8,865.9               | -538.8       | -317.1       | 355.8                   | 0.00                    | 0.00                   | 0.00                  |
| 9,300.0                                  | 90.20           | 268.80      | 8,865.5               | -540.9       | -417.1       | 455.6                   | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0                                  | 90.20           | 268.80      | 8,865.2               | -543.0       | -517.1       | 555.5                   | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0                                  | 90.20           | 268.80      | 8,864.8               | -545.1       | -617.1       | 655.4                   | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0                                  | 90.20           | 268.80      | 8,864.5               | -547.2       | -717.0       | 755.2                   | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0                                  | 90.20           | 268.80      | 8,864.1               | -549.3       | -817.0       | 855.1                   | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

**Database:** Hobbs  
**Company:** Mewbourne Oil Company  
**Project:** Eddy County, New Mexico NAD 83  
**Site:** Heavyweights 17/18 WOPM Fee #1H  
**Well:** Sec 17, T22S, R27E  
**Wellbore:** BHL: 440' FSL & 330' FWL, Sec 18  
**Design:** Design #1

**Local Co-ordinate Reference:**  
**TVD Reference:**  
**MD Reference:**  
**North Reference:**  
**Survey Calculation Method:**

Site Heavyweights 17/18 WOPM Fee #1H  
 WELL @ 3145.0usft (Original Well Elev)  
 WELL @ 3145.0usft (Original Well Elev)  
 Grid  
 Minimum Curvature

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,800.0               | 90.20           | 268.80      | 8,863.7               | -551.4       | -917.0       | 954.9                   | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 90.20           | 268.80      | 8,863.4               | -553.5       | -1,017.0     | 1,054.8                 | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 90.20           | 268.80      | 8,863.0               | -555.6       | -1,116.9     | 1,154.7                 | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 90.20           | 268.80      | 8,862.7               | -557.7       | -1,216.9     | 1,254.5                 | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 90.20           | 268.80      | 8,862.3               | -559.8       | -1,316.9     | 1,354.4                 | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 90.20           | 268.80      | 8,862.0               | -561.9       | -1,416.9     | 1,454.3                 | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 90.20           | 268.80      | 8,861.6               | -564.0       | -1,516.9     | 1,554.1                 | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 90.20           | 268.80      | 8,861.3               | -566.1       | -1,616.8     | 1,654.0                 | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 90.20           | 268.80      | 8,860.9               | -568.2       | -1,716.8     | 1,753.8                 | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0              | 90.20           | 268.80      | 8,860.5               | -570.3       | -1,816.8     | 1,853.7                 | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 90.20           | 268.80      | 8,860.2               | -572.4       | -1,916.8     | 1,953.6                 | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0              | 90.20           | 268.80      | 8,859.8               | -574.5       | -2,016.7     | 2,053.4                 | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0              | 90.20           | 268.80      | 8,859.5               | -576.6       | -2,116.7     | 2,153.3                 | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0              | 90.20           | 268.80      | 8,859.1               | -578.7       | -2,216.7     | 2,253.2                 | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0              | 90.20           | 268.80      | 8,858.8               | -580.8       | -2,316.7     | 2,353.0                 | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0              | 90.20           | 268.80      | 8,858.4               | -582.9       | -2,416.6     | 2,452.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0              | 90.20           | 268.80      | 8,858.1               | -585.0       | -2,516.6     | 2,552.7                 | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0              | 90.20           | 268.80      | 8,857.7               | -587.1       | -2,616.6     | 2,652.6                 | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0              | 90.20           | 268.80      | 8,857.4               | -589.2       | -2,716.6     | 2,752.5                 | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0              | 90.20           | 268.80      | 8,857.0               | -591.3       | -2,816.6     | 2,852.3                 | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 90.20           | 268.80      | 8,856.6               | -593.4       | -2,916.5     | 2,952.2                 | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 90.20           | 268.80      | 8,856.3               | -595.5       | -3,016.5     | 3,052.1                 | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0              | 90.20           | 268.80      | 8,855.9               | -597.6       | -3,116.5     | 3,151.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,100.0              | 90.20           | 268.80      | 8,855.6               | -599.7       | -3,216.5     | 3,251.8                 | 0.00                    | 0.00                   | 0.00                  |
| 12,200.0              | 90.20           | 268.80      | 8,855.2               | -601.8       | -3,316.4     | 3,351.6                 | 0.00                    | 0.00                   | 0.00                  |
| 12,300.0              | 90.20           | 268.80      | 8,854.9               | -603.9       | -3,416.4     | 3,451.5                 | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0              | 90.20           | 268.80      | 8,854.5               | -606.0       | -3,516.4     | 3,551.4                 | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0              | 90.20           | 268.80      | 8,854.2               | -608.1       | -3,616.4     | 3,651.2                 | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0              | 90.20           | 268.80      | 8,853.8               | -610.2       | -3,716.4     | 3,751.1                 | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0              | 90.20           | 268.80      | 8,853.4               | -612.3       | -3,816.3     | 3,850.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0              | 90.20           | 268.80      | 8,853.1               | -614.4       | -3,916.3     | 3,950.8                 | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0              | 90.20           | 268.80      | 8,852.7               | -616.5       | -4,016.3     | 4,050.7                 | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0              | 90.20           | 268.80      | 8,852.4               | -618.6       | -4,116.3     | 4,150.5                 | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 90.20           | 268.80      | 8,852.0               | -620.7       | -4,216.2     | 4,250.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0              | 90.20           | 268.80      | 8,851.7               | -622.8       | -4,316.2     | 4,350.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 90.20           | 268.80      | 8,851.3               | -624.9       | -4,416.2     | 4,450.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.20           | 268.80      | 8,851.0               | -627.0       | -4,516.2     | 4,550.0                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.20           | 268.80      | 8,850.6               | -629.1       | -4,616.2     | 4,649.8                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.20           | 268.80      | 8,850.2               | -631.2       | -4,716.1     | 4,749.7                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.20           | 268.80      | 8,849.9               | -633.3       | -4,816.1     | 4,849.6                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.20           | 268.80      | 8,849.5               | -635.4       | -4,916.1     | 4,949.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.20           | 268.80      | 8,849.2               | -637.5       | -5,016.1     | 5,049.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.20           | 268.80      | 8,848.8               | -639.6       | -5,116.0     | 5,149.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.20           | 268.80      | 8,848.5               | -641.7       | -5,216.0     | 5,249.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.20           | 268.80      | 8,848.1               | -643.8       | -5,316.0     | 5,348.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.20           | 268.80      | 8,847.8               | -645.9       | -5,416.0     | 5,448.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.20           | 268.80      | 8,847.4               | -648.0       | -5,515.9     | 5,548.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.20           | 268.80      | 8,847.1               | -650.1       | -5,615.9     | 5,648.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.20           | 268.80      | 8,846.7               | -652.2       | -5,715.9     | 5,748.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.20           | 268.80      | 8,846.3               | -654.3       | -5,815.9     | 5,848.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.20           | 268.80      | 8,846.0               | -656.4       | -5,915.9     | 5,948.1                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.20           | 268.80      | 8,845.6               | -658.5       | -6,015.8     | 6,047.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.20           | 268.80      | 8,845.3               | -660.6       | -6,115.8     | 6,147.8                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.20           | 268.80      | 8,844.9               | -662.7       | -6,215.8     | 6,247.6                 | 0.00                    | 0.00                   | 0.00                  |



## Planning Report

**Database:** Hobbs  
**Company:** Mewbourne Oil Company  
**Project:** Eddy County, New Mexico NAD 83  
**Site:** Heavyweights 17/18 W0PM Fee #1H  
**Well:** Sec 17, T22S, R27E  
**Wellbore:** BHL: 440' FSL & 330' FWL, Sec 18  
**Design:** Design #1

**Local Co-ordinate Reference:**  
**TVD Reference:**  
**MD Reference:**  
**North Reference:**  
**Survey Calculation Method:**

Site Heavyweights 17/18 W0PM Fee #1H  
 WELL @ 3145.0usft (Original Well Elev)  
 WELL @ 3145.0usft (Original Well Elev)  
 Grid  
 Minimum Curvature

### Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 15,200.0              | 90.20           | 268.80      | 8,844.6               | -664.8       | -6,315.8     | 6,347.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.20           | 268.80      | 8,844.2               | -666.9       | -6,415.7     | 6,447.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.20           | 268.80      | 8,843.9               | -669.0       | -6,515.7     | 6,547.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.20           | 268.80      | 8,843.5               | -671.1       | -6,615.7     | 6,647.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.20           | 268.80      | 8,843.1               | -673.2       | -6,715.7     | 6,747.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.20           | 268.80      | 8,842.8               | -675.3       | -6,815.7     | 6,846.8                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.20           | 268.80      | 8,842.4               | -677.4       | -6,915.6     | 6,946.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.20           | 268.80      | 8,842.1               | -679.5       | -7,015.6     | 7,046.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.20           | 268.80      | 8,841.7               | -681.6       | -7,115.6     | 7,146.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.20           | 268.80      | 8,841.4               | -683.7       | -7,215.6     | 7,246.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.20           | 268.80      | 8,841.0               | -685.8       | -7,315.5     | 7,346.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.20           | 268.80      | 8,840.7               | -687.9       | -7,415.5     | 7,446.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.20           | 268.80      | 8,840.3               | -690.0       | -7,515.5     | 7,545.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.20           | 268.80      | 8,839.9               | -692.1       | -7,615.5     | 7,645.7                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.20           | 268.80      | 8,839.6               | -694.2       | -7,715.4     | 7,745.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.20           | 268.80      | 8,839.2               | -696.3       | -7,815.4     | 7,845.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.20           | 268.80      | 8,838.9               | -698.4       | -7,915.4     | 7,945.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.20           | 268.80      | 8,838.5               | -700.5       | -8,015.4     | 8,045.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.20           | 268.80      | 8,838.2               | -702.6       | -8,115.4     | 8,145.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.20           | 268.80      | 8,837.8               | -704.7       | -8,215.3     | 8,244.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 90.20           | 268.80      | 8,837.5               | -706.8       | -8,315.3     | 8,344.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 90.20           | 268.80      | 8,837.1               | -708.9       | -8,415.3     | 8,444.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.20           | 268.80      | 8,836.8               | -711.0       | -8,515.3     | 8,544.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.20           | 268.80      | 8,836.4               | -713.1       | -8,615.2     | 8,644.3                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.20           | 268.80      | 8,836.0               | -715.2       | -8,715.2     | 8,744.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.20           | 268.80      | 8,835.7               | -717.3       | -8,815.2     | 8,844.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.20           | 268.80      | 8,835.3               | -719.4       | -8,915.2     | 8,943.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.20           | 268.80      | 8,835.0               | -721.5       | -9,015.2     | 9,043.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.20           | 268.80      | 8,834.6               | -723.6       | -9,115.1     | 9,143.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.20           | 268.80      | 8,834.3               | -725.7       | -9,215.1     | 9,243.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.20           | 268.80      | 8,833.9               | -727.8       | -9,315.1     | 9,343.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 90.20           | 268.80      | 8,833.6               | -729.9       | -9,415.1     | 9,443.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 90.20           | 268.80      | 8,833.2               | -732.0       | -9,515.0     | 9,543.1                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 90.20           | 268.80      | 8,832.8               | -734.1       | -9,615.0     | 9,643.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0              | 90.20           | 268.80      | 8,832.5               | -736.2       | -9,715.0     | 9,742.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0              | 90.20           | 268.80      | 8,832.1               | -738.3       | -9,815.0     | 9,842.7                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0              | 90.20           | 268.80      | 8,831.8               | -740.4       | -9,914.9     | 9,942.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0              | 90.20           | 268.80      | 8,831.4               | -742.5       | -10,014.9    | 10,042.4                | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0              | 90.20           | 268.80      | 8,831.1               | -744.6       | -10,114.9    | 10,142.3                | 0.00                    | 0.00                   | 0.00                  |
| 19,020.1              | 90.20           | 268.80      | 8,831.0               | -745.0       | -10,135.0    | 10,162.3                | 0.00                    | 0.00                   | 0.00                  |

BHL: 440' FSL & 330' FWL (18)

## Planning Report

**Database:** Hobbs  
**Company:** Mewbourne Oil Company  
**Project:** Eddy County, New Mexico NAD 83  
**Site:** Heavyweights 17/18 W0PM Fee #1H  
**Well:** Sec 17, T22S, R27E  
**Wellbore:** BHL: 440' FSL & 330' FWL, Sec 18  
**Design:** Design #1

**Local Co-ordinate Reference:** Site Heavyweights 17/18 W0PM Fee #1H  
**TVD Reference:** WELL @ 3145.0usft (Original Well Elev)  
**MD Reference:** WELL @ 3145.0usft (Original Well Elev)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

| Design Targets  |                  |                 |               |                 |                 |                    |                   |            |              |
|---|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|------------|--------------|
| Target Name<br>- hit/miss target<br>- Shape                     | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude   | Longitude    |
| SHL: 970' FSL & 205' FE<br>- plan hits target center<br>- Point | 0.00             | 0.00            | 0.0           | 0.0             | 0.0             | 504,997.00         | 581,368.00        | 32.3882388 | -104.2036483 |
| KOP: 440' FSL & 10' FE<br>- plan hits target center<br>- Point  | 0.00             | 0.00            | 8,388.5       | -528.0          | 197.0           | 504,469.00         | 581,565.00        | 32.3867867 | -104.2030122 |
| BHL: 440' FSL & 330' Fv<br>- plan hits target center<br>- Point | 0.00             | 0.00            | 8,831.0       | -745.0          | -10,135.0       | 504,252.00         | 571,233.00        | 32.3862204 | -104.2364844 |
| FTP: 440' FSL & 330' FE<br>- plan hits target center<br>- Point | 0.00             | 0.00            | 8,840.0       | -534.8          | -125.0          | 504,462.24         | 581,243.00        | 32.3867692 | -104.2040554 |
| LP: 440' FSL & 487' FEL<br>- plan hits target center<br>- Point | 0.00             | 0.00            | 8,866.0       | -538.1          | -282.1          | 504,458.90         | 581,085.90        | 32.3867606 | -104.2045643 |

# Heavyweights 17/18 W0PM Fee #1H

