

RECEIVED

Form 3160-3  
(March 2012)

MAR 03 2020

FORM APPROVED  
OMB No 1004-0137  
Expires October 31, 2014

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
NMNM 013413A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.  
OXBOW 23/24 B2MP FED COM #1Y

9. API Well No.  
30-015-46751

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator MEWBOURNE OIL COMPANY

3a. Address PO Box 5270 Hobbs NM 88240

3b. Phone No. (include area code)  
(575)393-5905

10. Field and Pool, or Exploratory  
WILLOW LAKE; BONE SPRING

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface NWNW / 290 FNL / 365 FWL / LAT 32.1073397 / LONG -104.0653166  
At proposed prod. zone SESE / 660 FSL / 100 FEL / LAT 32.1100109 / LONG -104.0324891

11. Sec., T. R. M. or Blk. and Survey or Area  
SEC 26 / T25S / R28E / NMP

14. Distance in miles and direction from nearest town or post office\*  
20 miles

12. County or Parish  
EDDY

13. State  
NM

15. Distance from proposed\* location to nearest property or lease line, ft.  
(Also to nearest drig. unit line, if any) 208 feet

16. No. of acres in lease  
1280

17. Spacing Unit dedicated to this well  
241.2

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. 50 feet

19. Proposed Depth  
18,664

20. BLM/BIA Bond No. on file  
FED: NM1693

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
2955 feet

22. Approximate date work will start\*  
02/28/2020

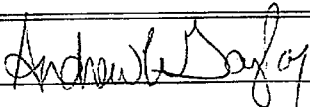
23. Estimated duration  
60 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

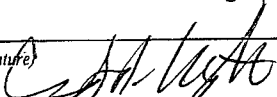
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature 

Name (Printed/Typed)  
Andy Taylor / Ph: (575)393-5905

Date  
02/13/2020

Title  
Regulatory

Approved by (Signature) 

Name (Printed/Typed)  
Cody R. Layman

Date  
02/18/2020

Title  
AFM - L&M

Office  
Carlsbad Field Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

RWP 3-12-20



**MEWBOURNE**  
**OIL COMPANY**

## **Mewbourne Oil Company**

**Eddy Co., NM (NAD 83)**

**Oxbow 23-24**

**Oxbow 23-24 B2MP Fed Com #1HY**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**11 February, 2020**



**ALTITUDE**  
ENERGY PARTNERS

Plan #1



Project: Eddy Co., NM (NAD 83)  
 Site: Oxbow 23-24  
 Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Wellbore: OH  
 Design: Plan #1  
 Lat: 32.107340  
 Long: -104.065317  
 GL: 2955.00  
 KB: RKB=28' @ 2983.00usft (Patterson 564)



WELL DETAILS: Oxbow 23-24 B2MP Fed Com #1HY

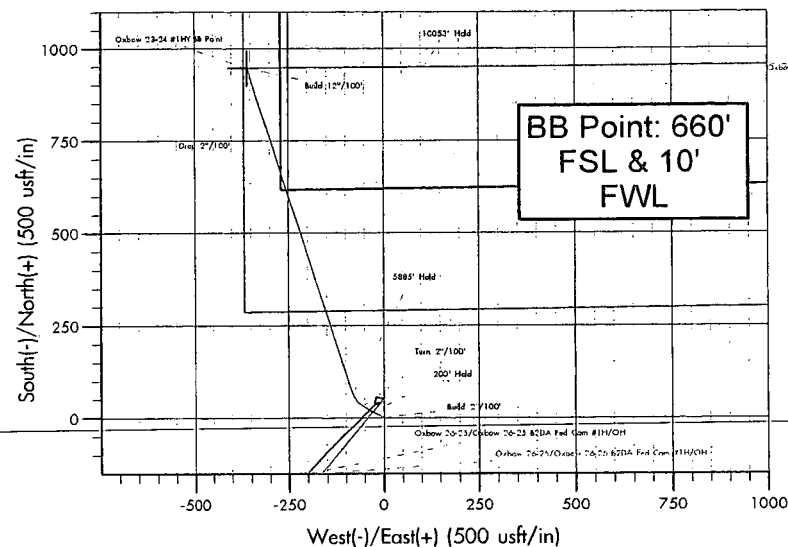
| +N/-S | +E/-W | Northing  | Easting   | Latitude  | Longitude   |
|-------|-------|-----------|-----------|-----------|-------------|
| 0.00  | 0.00  | 402889.80 | 624322.70 | 32.107340 | -104.065317 |

WELLBORE TARGET DETAILS (LAT/LONG)

| Name                      | TVD     | +N/-S  | +E/-W    | Northing  | Easting   | Shape |
|---------------------------|---------|--------|----------|-----------|-----------|-------|
| Oxbow 23-24 #1HY BB Point | 7791.60 | 945.94 | -359.94  | 403835.74 | 623962.76 | Point |
| Oxbow 23-24 #1HY PBHL     | 8429.00 | 998.50 | 10161.60 | 403888.30 | 634484.30 | Point |

SECTION DETAILS

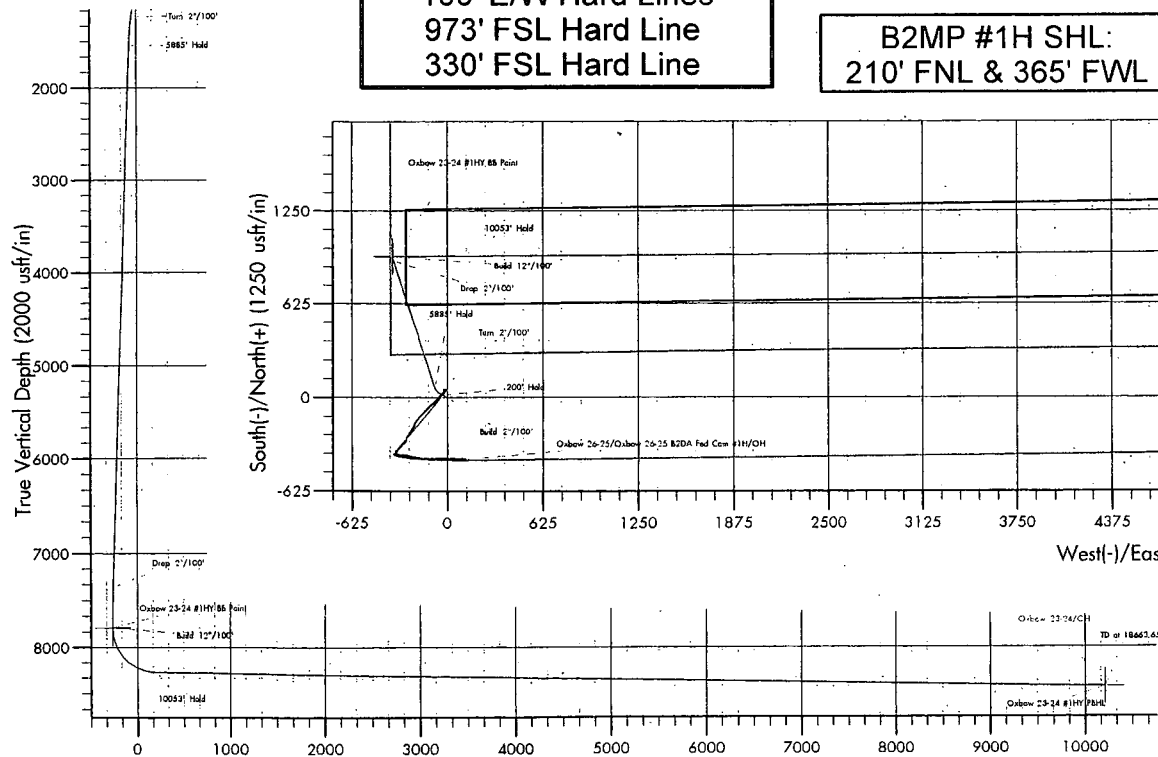
| MD       | Inc   | Azi    | TVD     | +N/-S  | +E/-W    | Dleg  | TFace  | VSect    | Annotation     |
|----------|-------|--------|---------|--------|----------|-------|--------|----------|----------------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00   | 0.00     | 0.00  | 0.00   | 0.00     |                |
| 600.00   | 0.00  | 0.00   | 600.00  | 0.00   | 0.00     | 0.00  | 0.00   | 0.00     | Build 2°/100'  |
| 1035.00  | 8.70  | 300.00 | 1033.33 | 16.48  | -28.55   | 2.00  | 300.00 | -26.80   | 200' Hold      |
| 1235.00  | 8.70  | 300.00 | 1231.03 | 31.61  | -54.75   | 0.00  | 0.00   | -51.39   | Turn 2°/100'   |
| 1549.16  | 8.70  | 342.50 | 1541.88 | 66.17  | -82.49   | 2.00  | 111.07 | -75.63   | 5885' Hold     |
| 7433.41  | 8.70  | 342.50 | 7358.51 | 914.54 | -350.04  | 0.00  | 0.00   | -258.93  | Drop 2°/100'   |
| 7868.17  | 0.00  | 0.00   | 7791.60 | 945.94 | -359.94  | 2.00  | 180.00 | -265.71  | Build 12°/100' |
| 8610.57  | 89.09 | 89.71  | 8269.00 | 948.29 | 109.92   | 12.00 | 89.71  | 202.12   | 10053' Hold    |
| 18663.65 | 89.09 | 89.71  | 8429.00 | 998.50 | 10161.60 | 0.00  | 0.00   | 10210.54 | TD at 18663.65 |



100' E/W Hard Lines  
 973' FSL Hard Line  
 330' FSL Hard Line

B2MP #1H SHL:  
 210' FNL & 365' FWL

B2MP #1H BHL:  
 660' FSL & 100' FEL

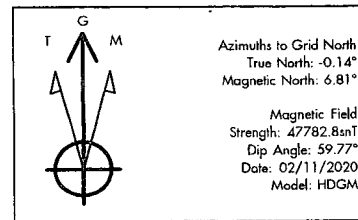


Vertical Section at 84.39° (2000 usft/in)

Plan: Plan #1 (Oxbow 23-24 B2MP Fed Com #1HY/OH)

Created By: Marcus Spurgin

Date: 14:17 February 11 2020



Database: EDM 5000.1 Single User Db  
Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Site: Oxbow 23-24  
Well: Oxbow 23-24 B2MP Fed Com #1HY  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature

|             |                           |               |                |
|-------------|---------------------------|---------------|----------------|
| Project:    | Eddy Co., NM (NAD 83)     |               |                |
| Map System: | US State Plane 1983       | System Datum: | Mean Sea Level |
| Geo Datum:  | North American Datum 1983 |               |                |
| Map Zone:   | New Mexico Eastern Zone   |               |                |

|                       |             |                   |                 |
|-----------------------|-------------|-------------------|-----------------|
| Site:                 | Oxbow 23-24 |                   |                 |
| Site Position:        |             | Northing:         | 402,969.80 usft |
| From:                 | Map         | Easting:          | 624,321.50 usft |
| Position Uncertainty: | 0.00 usft   | Slot Radius:      | 13-3/16 "       |
|                       |             | Latitude:         | 32.107560       |
|                       |             | Longitude:        | -104.065320     |
|                       |             | Grid Convergence: | 0.14 °          |

|                      |                               |                     |               |
|----------------------|-------------------------------|---------------------|---------------|
| Well:                | Oxbow 23-24 B2MP Fed Com #1HY |                     |               |
| Well Position        | +N/-S                         | -80.00 usft         | Northing:     |
|                      | +E/-W                         | 1.20 usft           | Easting:      |
| Position Uncertainty | 0.00 usft                     | Wellhead Elevation: |               |
|                      |                               | Latitude:           | 32.107340     |
|                      |                               | Longitude:          | -104.065317   |
|                      |                               | Ground Level:       | 2,955.00 usft |

|           |            |             |                 |
|-----------|------------|-------------|-----------------|
| Wellbore: | OH         |             |                 |
| Magnetics | Model Name | Sample Date | Declination     |
|           | HDGM       | 02/11/20    | 6.95            |
|           |            | Dip Angle   | Field Strength  |
|           |            | (°)         | (nT)            |
|           |            | 59.77       | 47,782.80000000 |

|                   |                  |        |               |
|-------------------|------------------|--------|---------------|
| Design:           | Plan #1          |        |               |
| Audit Notes:      |                  |        |               |
| Version:          | Phase:           | PLAN   | Tie On Depth: |
|                   |                  |        | 0.00          |
| Vertical Section: | Depth From (TVD) | +N/-S  | +E/-W         |
|                   | (usft)           | (usft) | (usft)        |
|                   | 0.00             | 0.00   | 0.00          |
|                   |                  |        | Direction:    |
|                   |                  |        | (°)           |
|                   |                  |        | 84.39         |

|                          |          |                        |                     |
|--------------------------|----------|------------------------|---------------------|
| Plan Survey Tool Program | Date:    | 02/11/20               |                     |
| Depth From               | Depth To | Survey (Wellbore)      | Tool Name           |
| (usft)                   | (usft)   |                        |                     |
| 1                        | 0.00     | 18,663.65 Plan #1 (OH) | MWD                 |
|                          |          |                        | OWSG MWD - Standard |
|                          |          |                        | Remarks             |

| Plan Sections  |             |         |                |        |           |             | Build Rate  | Turn Rate   | TFO    | Target             |
|----------------|-------------|---------|----------------|--------|-----------|-------------|-------------|-------------|--------|--------------------|
| Measured Depth | Inclination | Azimuth | Vertical Depth | +N/-S  | +E/-W     | Dogleg Rate | (°/100usft) | (°/100usft) | (°)    |                    |
| (usft)         | (°)         | (°)     | (usft)         | (usft) | (usft)    | (°/100usft) |             |             |        |                    |
| 0.00           | 0.00        | 0.00    | 0.00           | 0.00   | 0.00      | 0.00        | 0.00        | 0.00        | 0.00   |                    |
| 600.00         | 0.00        | 0.01    | 600.00         | 0.00   | 0.00      | 0.00        | 0.00        | 0.00        | 0.01   |                    |
| 1,035.00       | 8.70        | 300.00  | 1,033.33       | 16.48  | -28.55    | 2.00        | 2.00        | 0.00        | 300.00 |                    |
| 1,235.00       | 8.70        | 300.00  | 1,231.03       | 31.61  | -54.75    | 0.00        | 0.00        | 0.00        | 0.00   |                    |
| 1,549.16       | 8.70        | 342.50  | 1,541.88       | 66.17  | -82.49    | 2.00        | 0.00        | 13.53       | 111.07 |                    |
| 7,433.41       | 8.70        | 342.50  | 7,358.51       | 914.54 | -350.04   | 0.00        | 0.00        | 0.00        | 0.00   |                    |
| 7,868.17       | 0.00        | 0.01    | 7,791.60       | 945.94 | -359.94   | 2.00        | -2.00       | 0.00        | 180.00 | Oxbow 23-24 #1HY B |
| 8,610.57       | 89.09       | 89.71   | 8,269.00       | 948.29 | 109.92    | 12.00       | 12.00       | 12.08       | 89.71  |                    |
| 18,663.65      | 89.09       | 89.71   | 8,429.00       | 998.50 | 10,161.60 | 0.00        | 0.00        | 0.00        | 0.00   | Oxbow 23-24 #1HY P |

Database: EDM 5000.1 Single User Db  
 Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Site: Oxbow 23-24  
 Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Wellbore: OH  
 Design: Plan #1

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

Well Oxbow 23-24 B2MP Fed Com #1HY  
 RKB=28' @ 2983.00usft (Patterson 564)  
 RKB=28' @ 2983.00usft (Patterson 564)  
 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) |  |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |  |
| 100.00                | 0.00            | 0.00        | 100.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |  |
| 200.00                | 0.00            | 0.00        | 200.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |  |
| 300.00                | 0.00            | 0.00        | 300.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |  |
| 400.00                | 0.00            | 0.00        | 400.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |  |
| 500.00                | 0.00            | 0.00        | 500.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |  |
| 600.00                | 0.00            | 0.00        | 600.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Build 2°/100'</b>  |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 700.00                | 2.00            | 300.00      | 699.98                | 0.87         | -1.51        | -1.42                   | 2.00                    | 2.00                   | 0.00                  |  |
| 800.00                | 4.00            | 300.00      | 799.84                | 3.49         | -6.04        | -5.67                   | 2.00                    | 2.00                   | 0.00                  |  |
| 900.00                | 6.00            | 300.00      | 899.45                | 7.85         | -13.59       | -12.76                  | 2.00                    | 2.00                   | 0.00                  |  |
| 1,000.00              | 8.00            | 300.00      | 998.70                | 13.94        | -24.14       | -22.67                  | 2.00                    | 2.00                   | 0.00                  |  |
| 1,035.00              | 8.70            | 300.00      | 1,033.33              | 16.48        | -28.55       | -26.80                  | 2.00                    | 2.00                   | 0.00                  |  |
| <b>200' Hold</b>      |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 1,100.00              | 8.70            | 300.00      | 1,097.58              | 21.40        | -37.06       | -34.79                  | 0.00                    | 0.00                   | 0.00                  |  |
| 1,200.00              | 8.70            | 300.00      | 1,196.43              | 28.96        | -50.16       | -47.09                  | 0.00                    | 0.00                   | 0.00                  |  |
| 1,235.00              | 8.70            | 300.00      | 1,231.03              | 31.61        | -54.75       | -51.39                  | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Turn 2°/100'</b>   |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 1,300.00              | 8.32            | 308.41      | 1,295.32              | 36.99        | -62.69       | -58.77                  | 2.00                    | -0.58                  | 12.94                 |  |
| 1,400.00              | 8.12            | 322.36      | 1,394.30              | 47.07        | -72.67       | -67.72                  | 2.00                    | -0.21                  | 13.95                 |  |
| 1,500.00              | 8.39            | 336.20      | 1,493.27              | 59.34        | -79.93       | -73.74                  | 2.00                    | 0.28                   | 13.83                 |  |
| 1,549.16              | 8.70            | 342.50      | 1,541.88              | 66.17        | -82.49       | -75.63                  | 2.00                    | 0.61                   | 12.82                 |  |
| <b>5885' Hold</b>     |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 1,600.00              | 8.70            | 342.50      | 1,592.14              | 73.50        | -84.80       | -77.21                  | 0.00                    | 0.00                   | 0.00                  |  |
| 1,700.00              | 8.70            | 342.50      | 1,690.99              | 87.92        | -89.35       | -80.32                  | 0.00                    | 0.00                   | 0.00                  |  |
| 1,800.00              | 8.70            | 342.50      | 1,789.85              | 102.33       | -93.90       | -83.44                  | 0.00                    | 0.00                   | 0.00                  |  |
| 1,900.00              | 8.70            | 342.50      | 1,888.70              | 116.75       | -98.44       | -86.56                  | 0.00                    | 0.00                   | 0.00                  |  |
| 2,000.00              | 8.70            | 342.50      | 1,987.55              | 131.17       | -102.99      | -89.67                  | 0.00                    | 0.00                   | 0.00                  |  |
| 2,100.00              | 8.70            | 342.50      | 2,086.40              | 145.59       | -107.54      | -92.79                  | 0.00                    | 0.00                   | 0.00                  |  |
| 2,200.00              | 8.70            | 342.50      | 2,185.25              | 160.01       | -112.08      | -95.90                  | 0.00                    | 0.00                   | 0.00                  |  |
| 2,300.00              | 8.70            | 342.50      | 2,284.10              | 174.42       | -116.63      | -99.02                  | 0.00                    | 0.00                   | 0.00                  |  |
| 2,400.00              | 8.70            | 342.50      | 2,382.95              | 188.84       | -121.18      | -102.13                 | 0.00                    | 0.00                   | 0.00                  |  |
| 2,500.00              | 8.70            | 342.50      | 2,481.80              | 203.26       | -125.73      | -105.25                 | 0.00                    | 0.00                   | 0.00                  |  |
| 2,600.00              | 8.70            | 342.50      | 2,580.65              | 217.68       | -130.27      | -108.36                 | 0.00                    | 0.00                   | 0.00                  |  |
| 2,700.00              | 8.70            | 342.50      | 2,679.50              | 232.09       | -134.82      | -111.48                 | 0.00                    | 0.00                   | 0.00                  |  |
| 2,800.00              | 8.70            | 342.50      | 2,778.35              | 246.51       | -139.37      | -114.59                 | 0.00                    | 0.00                   | 0.00                  |  |
| 2,900.00              | 8.70            | 342.50      | 2,877.20              | 260.93       | -143.91      | -117.71                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,000.00              | 8.70            | 342.50      | 2,976.05              | 275.35       | -148.46      | -120.82                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,100.00              | 8.70            | 342.50      | 3,074.90              | 289.76       | -153.01      | -123.94                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,200.00              | 8.70            | 342.50      | 3,173.75              | 304.18       | -157.55      | -127.05                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,300.00              | 8.70            | 342.50      | 3,272.61              | 318.60       | -162.10      | -130.17                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,400.00              | 8.70            | 342.50      | 3,371.46              | 333.02       | -166.65      | -133.28                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,500.00              | 8.70            | 342.50      | 3,470.31              | 347.43       | -171.19      | -136.40                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,600.00              | 8.70            | 342.50      | 3,569.16              | 361.85       | -175.74      | -139.51                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,700.00              | 8.70            | 342.50      | 3,668.01              | 376.27       | -180.29      | -142.63                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,800.00              | 8.70            | 342.50      | 3,766.86              | 390.69       | -184.83      | -145.74                 | 0.00                    | 0.00                   | 0.00                  |  |
| 3,900.00              | 8.70            | 342.50      | 3,865.71              | 405.11       | -189.38      | -148.86                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,000.00              | 8.70            | 342.50      | 3,964.56              | 419.52       | -193.93      | -151.97                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,100.00              | 8.70            | 342.50      | 4,063.41              | 433.94       | -198.48      | -155.09                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,200.00              | 8.70            | 342.50      | 4,162.26              | 448.36       | -203.02      | -158.20                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,300.00              | 8.70            | 342.50      | 4,261.11              | 462.78       | -207.57      | -161.32                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,400.00              | 8.70            | 342.50      | 4,359.96              | 477.19       | -212.12      | -164.43                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,500.00              | 8.70            | 342.50      | 4,458.81              | 491.61       | -216.66      | -167.55                 | 0.00                    | 0.00                   | 0.00                  |  |
| 4,600.00              | 8.70            | 342.50      | 4,557.66              | 506.03       | -221.21      | -170.66                 | 0.00                    | 0.00                   | 0.00                  |  |

Database: EDM 5000.1 Single User Db  
Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Site: Oxbow 23-24  
Well: Oxbow 23-24 B2MP Fed Com #1HY  
Wellbore: OH  
Design: Plan #1

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

Well Oxbow 23-24 B2MP Fed Com #1HY  
RKB=28' @ 2983.00usft (Patterson 564)  
RKB=28' @ 2983.00usft (Patterson 564)  
Grid  
Minimum Curvature

| Planned Survey              |                    |                |                             |               |               |                               |                               |                              |                             |
|-----------------------------|--------------------|----------------|-----------------------------|---------------|---------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | N-S<br>(usft) | E-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 4,700.00                    | 8.70               | 342.50         | 4,656.51                    | 520.45        | -225.76       | -173.78                       | 0.00                          | 0.00                         | 0.00                        |
| 4,800.00                    | 8.70               | 342.50         | 4,755.37                    | 534.86        | -230.30       | -176.89                       | 0.00                          | 0.00                         | 0.00                        |
| 4,900.00                    | 8.70               | 342.50         | 4,854.22                    | 549.28        | -234.85       | -180.01                       | 0.00                          | 0.00                         | 0.00                        |
| 5,000.00                    | 8.70               | 342.50         | 4,953.07                    | 563.70        | -239.40       | -183.12                       | 0.00                          | 0.00                         | 0.00                        |
| 5,100.00                    | 8.70               | 342.50         | 5,051.92                    | 578.12        | -243.94       | -186.24                       | 0.00                          | 0.00                         | 0.00                        |
| 5,200.00                    | 8.70               | 342.50         | 5,150.77                    | 592.53        | -248.49       | -189.36                       | 0.00                          | 0.00                         | 0.00                        |
| 5,300.00                    | 8.70               | 342.50         | 5,249.62                    | 606.95        | -253.04       | -192.47                       | 0.00                          | 0.00                         | 0.00                        |
| 5,400.00                    | 8.70               | 342.50         | 5,348.47                    | 621.37        | -257.58       | -195.59                       | 0.00                          | 0.00                         | 0.00                        |
| 5,500.00                    | 8.70               | 342.50         | 5,447.32                    | 635.79        | -262.13       | -198.70                       | 0.00                          | 0.00                         | 0.00                        |
| 5,600.00                    | 8.70               | 342.50         | 5,546.17                    | 650.21        | -266.68       | -201.82                       | 0.00                          | 0.00                         | 0.00                        |
| 5,700.00                    | 8.70               | 342.50         | 5,645.02                    | 664.62        | -271.23       | -204.93                       | 0.00                          | 0.00                         | 0.00                        |
| 5,800.00                    | 8.70               | 342.50         | 5,743.87                    | 679.04        | -275.77       | -208.05                       | 0.00                          | 0.00                         | 0.00                        |
| 5,900.00                    | 8.70               | 342.50         | 5,842.72                    | 693.46        | -280.32       | -211.16                       | 0.00                          | 0.00                         | 0.00                        |
| 6,000.00                    | 8.70               | 342.50         | 5,941.57                    | 707.88        | -284.87       | -214.28                       | 0.00                          | 0.00                         | 0.00                        |
| 6,100.00                    | 8.70               | 342.50         | 6,040.42                    | 722.29        | -289.41       | -217.39                       | 0.00                          | 0.00                         | 0.00                        |
| 6,200.00                    | 8.70               | 342.50         | 6,139.28                    | 736.71        | -293.96       | -220.51                       | 0.00                          | 0.00                         | 0.00                        |
| 6,300.00                    | 8.70               | 342.50         | 6,238.13                    | 751.13        | -298.51       | -223.62                       | 0.00                          | 0.00                         | 0.00                        |
| 6,400.00                    | 8.70               | 342.50         | 6,336.98                    | 765.55        | -303.05       | -226.74                       | 0.00                          | 0.00                         | 0.00                        |
| 6,500.00                    | 8.70               | 342.50         | 6,435.83                    | 779.96        | -307.60       | -229.85                       | 0.00                          | 0.00                         | 0.00                        |
| 6,600.00                    | 8.70               | 342.50         | 6,534.68                    | 794.38        | -312.15       | -232.97                       | 0.00                          | 0.00                         | 0.00                        |
| 6,700.00                    | 8.70               | 342.50         | 6,633.53                    | 808.80        | -316.69       | -236.08                       | 0.00                          | 0.00                         | 0.00                        |
| 6,800.00                    | 8.70               | 342.50         | 6,732.38                    | 823.22        | -321.24       | -239.20                       | 0.00                          | 0.00                         | 0.00                        |
| 6,900.00                    | 8.70               | 342.50         | 6,831.23                    | 837.63        | -325.79       | -242.31                       | 0.00                          | 0.00                         | 0.00                        |
| 7,000.00                    | 8.70               | 342.50         | 6,930.08                    | 852.05        | -330.33       | -245.43                       | 0.00                          | 0.00                         | 0.00                        |
| 7,100.00                    | 8.70               | 342.50         | 7,028.93                    | 866.47        | -334.88       | -248.54                       | 0.00                          | 0.00                         | 0.00                        |
| 7,200.00                    | 8.70               | 342.50         | 7,127.78                    | 880.89        | -339.43       | -251.66                       | 0.00                          | 0.00                         | 0.00                        |
| 7,300.00                    | 8.70               | 342.50         | 7,226.63                    | 895.30        | -343.97       | -254.77                       | 0.00                          | 0.00                         | 0.00                        |
| 7,400.00                    | 8.70               | 342.50         | 7,325.48                    | 909.72        | -348.52       | -257.89                       | 0.00                          | 0.00                         | 0.00                        |
| 7,433.41                    | 8.70               | 342.50         | 7,358.51                    | 914.54        | -350.04       | -258.93                       | 0.00                          | 0.00                         | 0.00                        |
| <b>Drop 2°/100'</b>         |                    |                |                             |               |               |                               |                               |                              |                             |
| 7,500.00                    | 7.36               | 342.50         | 7,424.45                    | 923.41        | -352.84       | -260.85                       | 2.00                          | -2.00                        | 0.00                        |
| 7,600.00                    | 5.36               | 342.50         | 7,523.82                    | 933.98        | -356.17       | -263.13                       | 2.00                          | -2.00                        | 0.00                        |
| 7,700.00                    | 3.36               | 342.50         | 7,623.53                    | 941.23        | -358.46       | -264.70                       | 2.00                          | -2.00                        | 0.00                        |
| 7,800.00                    | 1.36               | 342.50         | 7,723.44                    | 945.17        | -359.70       | -265.55                       | 2.00                          | -2.00                        | 0.00                        |
| 7,868.17                    | 0.00               | 0.01           | 7,791.60                    | 945.94        | -359.94       | -265.71                       | 2.00                          | -2.00                        | 0.00                        |
| <b>Build 12°/100'</b>       |                    |                |                             |               |               |                               |                               |                              |                             |
| 7,875.00                    | 0.82               | 89.71          | 7,798.43                    | 945.94        | -359.89       | -265.67                       | 12.00                         | 12.00                        | 0.00                        |
| 7,900.00                    | 3.82               | 89.71          | 7,823.41                    | 945.95        | -358.88       | -264.66                       | 12.00                         | 12.00                        | 0.00                        |
| 7,925.00                    | 6.82               | 89.71          | 7,848.30                    | 945.96        | -356.57       | -262.35                       | 12.00                         | 12.00                        | 0.00                        |
| 7,950.00                    | 9.82               | 89.71          | 7,873.03                    | 945.98        | -352.95       | -258.75                       | 12.00                         | 12.00                        | 0.00                        |
| 7,975.00                    | 12.82              | 89.71          | 7,897.54                    | 946.00        | -348.04       | -253.86                       | 12.00                         | 12.00                        | 0.00                        |
| 8,000.00                    | 15.82              | 89.71          | 7,921.76                    | 946.03        | -341.86       | -247.71                       | 12.00                         | 12.00                        | 0.00                        |
| 8,025.00                    | 18.82              | 89.71          | 7,945.63                    | 946.07        | -334.42       | -240.30                       | 12.00                         | 12.00                        | 0.00                        |
| 8,050.00                    | 21.82              | 89.71          | 7,969.07                    | 946.11        | -325.74       | -231.65                       | 12.00                         | 12.00                        | 0.00                        |
| 8,075.00                    | 24.82              | 89.71          | 7,992.02                    | 946.16        | -315.84       | -221.80                       | 12.00                         | 12.00                        | 0.00                        |
| 8,100.00                    | 27.82              | 89.71          | 8,014.43                    | 946.22        | -304.76       | -210.77                       | 12.00                         | 12.00                        | 0.00                        |
| 8,125.00                    | 30.82              | 89.71          | 8,036.22                    | 946.28        | -292.52       | -198.58                       | 12.00                         | 12.00                        | 0.00                        |
| 8,150.00                    | 33.82              | 89.71          | 8,057.35                    | 946.34        | -279.15       | -185.27                       | 12.00                         | 12.00                        | 0.00                        |
| 8,175.00                    | 36.82              | 89.71          | 8,077.75                    | 946.42        | -264.70       | -170.88                       | 12.00                         | 12.00                        | 0.00                        |
| 8,200.00                    | 39.82              | 89.71          | 8,097.36                    | 946.49        | -249.20       | -155.45                       | 12.00                         | 12.00                        | 0.00                        |
| 8,225.00                    | 42.82              | 89.71          | 8,116.13                    | 946.58        | -232.70       | -139.02                       | 12.00                         | 12.00                        | 0.00                        |
| 8,250.00                    | 45.82              | 89.71          | 8,134.02                    | 946.66        | -215.23       | -121.63                       | 12.00                         | 12.00                        | 0.00                        |
| 8,275.00                    | 48.82              | 89.71          | 8,150.96                    | 946.76        | -196.86       | -103.33                       | 12.00                         | 12.00                        | 0.00                        |

Database: EDM 5000.1 Single User Db  
Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Site: Oxbow 23-24  
Well: Oxbow 23-24 B2MP Fed Com #1HY  
Wellbore: OH  
Design: Plan #1

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

Well Oxbow 23-24 B2MP Fed Com #1HY  
RKB=28' @ 2983.00usft (Patterson 564)  
RKB=28' @ 2983.00usft (Patterson 564)  
Grid  
Minimum Curvature

| Planned Survey              |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|--|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |  |
| 8,300.00                    | 51.82              | 89.71          | 8,166.92                    | 946.85          | -177.62         | -84.17                        | 12.00                         | 12.00                        | 0.00                        |  |
| 8,325.00                    | 54.82              | 89.71          | 8,181.85                    | 946.95          | -157.57         | -64.21                        | 12.00                         | 12.00                        | 0.00                        |  |
| 8,350.00                    | 57.82              | 89.71          | 8,195.72                    | 947.06          | -136.77         | -43.50                        | 12.00                         | 12.00                        | 0.00                        |  |
| 8,375.00                    | 60.82              | 89.71          | 8,208.47                    | 947.16          | -115.27         | -22.10                        | 12.00                         | 12.00                        | 0.00                        |  |
| 8,400.00                    | 63.82              | 89.71          | 8,220.08                    | 947.27          | -93.14          | -0.06                         | 12.00                         | 12.00                        | 0.00                        |  |
| 8,425.00                    | 66.82              | 89.71          | 8,230.52                    | 947.39          | -70.42          | 22.56                         | 12.00                         | 12.00                        | 0.00                        |  |
| 8,450.00                    | 69.82              | 89.71          | 8,239.75                    | 947.50          | -47.19          | 45.69                         | 12.00                         | 12.00                        | 0.00                        |  |
| 8,475.00                    | 72.82              | 89.71          | 8,247.76                    | 947.62          | -23.51          | 69.27                         | 12.00                         | 12.00                        | 0.00                        |  |
| 8,500.00                    | 75.82              | 89.71          | 8,254.52                    | 947.74          | 0.55            | 93.23                         | 12.00                         | 12.00                        | 0.00                        |  |
| 8,525.00                    | 78.82              | 89.71          | 8,260.00                    | 947.86          | 24.94           | 117.51                        | 12.00                         | 12.00                        | 0.00                        |  |
| 8,550.00                    | 81.82              | 89.71          | 8,264.21                    | 947.99          | 49.58           | 142.05                        | 12.00                         | 12.00                        | 0.00                        |  |
| 8,575.00                    | 84.82              | 89.71          | 8,267.11                    | 948.11          | 74.41           | 166.77                        | 12.00                         | 12.00                        | 0.00                        |  |
| 8,600.00                    | 87.82              | 89.71          | 8,268.72                    | 948.24          | 99.35           | 191.60                        | 12.00                         | 12.00                        | 0.00                        |  |
| 8,610.57                    | 89.09              | 89.71          | 8,269.00                    | 948.29          | 109.92          | 202.12                        | 12.00                         | 12.00                        | 0.00                        |  |
| 10053' Hold                 |                    |                |                             |                 |                 |                               |                               |                              |                             |  |
| 8,700.00                    | 89.09              | 89.71          | 8,270.43                    | 948.73          | 199.34          | 291.16                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,800.00                    | 89.09              | 89.71          | 8,272.02                    | 949.23          | 299.32          | 390.71                        | 0.00                          | 0.00                         | 0.00                        |  |
| 8,900.00                    | 89.09              | 89.71          | 8,273.61                    | 949.73          | 399.31          | 490.27                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,000.00                    | 89.09              | 89.71          | 8,275.20                    | 950.23          | 499.29          | 589.83                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,100.00                    | 89.09              | 89.71          | 8,276.79                    | 950.73          | 599.28          | 689.38                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,200.00                    | 89.09              | 89.71          | 8,278.39                    | 951.23          | 699.27          | 788.94                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,300.00                    | 89.09              | 89.71          | 8,279.98                    | 951.73          | 799.25          | 888.49                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,400.00                    | 89.09              | 89.71          | 8,281.57                    | 952.23          | 899.24          | 988.05                        | 0.00                          | 0.00                         | 0.00                        |  |
| 9,500.00                    | 89.09              | 89.71          | 8,283.16                    | 952.73          | 999.22          | 1,087.60                      | 0.00                          | 0.00                         | 0.00                        |  |
| 9,600.00                    | 89.09              | 89.71          | 8,284.75                    | 953.23          | 1,099.21        | 1,187.16                      | 0.00                          | 0.00                         | 0.00                        |  |
| 9,700.00                    | 89.09              | 89.71          | 8,286.34                    | 953.73          | 1,199.20        | 1,286.71                      | 0.00                          | 0.00                         | 0.00                        |  |
| 9,800.00                    | 89.09              | 89.71          | 8,287.93                    | 954.23          | 1,299.18        | 1,386.27                      | 0.00                          | 0.00                         | 0.00                        |  |
| 9,900.00                    | 89.09              | 89.71          | 8,289.53                    | 954.73          | 1,399.17        | 1,485.83                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,000.00                   | 89.09              | 89.71          | 8,291.12                    | 955.23          | 1,499.15        | 1,585.38                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,100.00                   | 89.09              | 89.71          | 8,292.71                    | 955.73          | 1,599.14        | 1,684.94                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,200.00                   | 89.09              | 89.71          | 8,294.30                    | 956.23          | 1,699.13        | 1,784.49                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,300.00                   | 89.09              | 89.71          | 8,295.89                    | 956.73          | 1,799.11        | 1,884.05                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,400.00                   | 89.09              | 89.71          | 8,297.48                    | 957.23          | 1,899.10        | 1,983.60                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,500.00                   | 89.09              | 89.71          | 8,299.08                    | 957.73          | 1,999.09        | 2,083.16                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,600.00                   | 89.09              | 89.71          | 8,300.67                    | 958.22          | 2,099.07        | 2,182.72                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,700.00                   | 89.09              | 89.71          | 8,302.26                    | 958.72          | 2,199.06        | 2,282.27                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,800.00                   | 89.09              | 89.71          | 8,303.85                    | 959.22          | 2,299.04        | 2,381.83                      | 0.00                          | 0.00                         | 0.00                        |  |
| 10,900.00                   | 89.09              | 89.71          | 8,305.44                    | 959.72          | 2,399.03        | 2,481.38                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,000.00                   | 89.09              | 89.71          | 8,307.03                    | 960.22          | 2,499.02        | 2,580.94                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,100.00                   | 89.09              | 89.71          | 8,308.62                    | 960.72          | 2,599.00        | 2,680.49                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,200.00                   | 89.09              | 89.71          | 8,310.22                    | 961.22          | 2,698.99        | 2,780.05                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,300.00                   | 89.09              | 89.71          | 8,311.81                    | 961.72          | 2,798.97        | 2,879.61                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,400.00                   | 89.09              | 89.71          | 8,313.40                    | 962.22          | 2,898.96        | 2,979.16                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,500.00                   | 89.09              | 89.71          | 8,314.99                    | 962.72          | 2,998.95        | 3,078.72                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,600.00                   | 89.09              | 89.71          | 8,316.58                    | 963.22          | 3,098.93        | 3,178.27                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,700.00                   | 89.09              | 89.71          | 8,318.17                    | 963.72          | 3,198.92        | 3,277.83                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,800.00                   | 89.09              | 89.71          | 8,319.76                    | 964.22          | 3,298.90        | 3,377.38                      | 0.00                          | 0.00                         | 0.00                        |  |
| 11,900.00                   | 89.09              | 89.71          | 8,321.36                    | 964.72          | 3,398.89        | 3,476.94                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,000.00                   | 89.09              | 89.71          | 8,322.95                    | 965.22          | 3,498.88        | 3,576.50                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,100.00                   | 89.09              | 89.71          | 8,324.54                    | 965.72          | 3,598.86        | 3,676.05                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,200.00                   | 89.09              | 89.71          | 8,326.13                    | 966.22          | 3,698.85        | 3,775.61                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,300.00                   | 89.09              | 89.71          | 8,327.72                    | 966.72          | 3,798.83        | 3,875.16                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,400.00                   | 89.09              | 89.71          | 8,329.31                    | 967.22          | 3,898.82        | 3,974.72                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,500.00                   | 89.09              | 89.71          | 8,330.91                    | 967.71          | 3,998.81        | 4,074.27                      | 0.00                          | 0.00                         | 0.00                        |  |

Database: EDM 5000.1 Single User Db  
 Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Site: Oxbow 23-24  
 Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Wellbore: OH  
 Design: Plan #1

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

Well Oxbow 23-24 B2MP Fed Com #1HY  
 RKB=28' @ 2983.00usft (Patterson 564)  
 RKB=28' @ 2983.00usft (Patterson 564)  
 Grid  
 Minimum Curvature

| Planned Survey              |                    |                |                             |               |               |                               |                               |                              |                             |  |
|-----------------------------|--------------------|----------------|-----------------------------|---------------|---------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|--|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | N-S<br>(usft) | E-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |  |
| 12,600.00                   | 89.09              | 89.71          | 8,332.50                    | 968.21        | 4,098.79      | 4,173.83                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,700.00                   | 89.09              | 89.71          | 8,334.09                    | 968.71        | 4,198.78      | 4,273.39                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,800.00                   | 89.09              | 89.71          | 8,335.68                    | 969.21        | 4,298.77      | 4,372.94                      | 0.00                          | 0.00                         | 0.00                        |  |
| 12,900.00                   | 89.09              | 89.71          | 8,337.27                    | 969.71        | 4,398.75      | 4,472.50                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,000.00                   | 89.09              | 89.71          | 8,338.86                    | 970.21        | 4,498.74      | 4,572.05                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,100.00                   | 89.09              | 89.71          | 8,340.45                    | 970.71        | 4,598.72      | 4,671.61                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,200.00                   | 89.09              | 89.71          | 8,342.05                    | 971.21        | 4,698.71      | 4,771.16                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,300.00                   | 89.09              | 89.71          | 8,343.64                    | 971.71        | 4,798.70      | 4,870.72                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,400.00                   | 89.09              | 89.71          | 8,345.23                    | 972.21        | 4,898.68      | 4,970.28                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,500.00                   | 89.09              | 89.71          | 8,346.82                    | 972.71        | 4,998.67      | 5,069.83                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,600.00                   | 89.09              | 89.71          | 8,348.41                    | 973.21        | 5,098.65      | 5,169.39                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,700.00                   | 89.09              | 89.71          | 8,350.00                    | 973.71        | 5,198.64      | 5,268.94                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,800.00                   | 89.09              | 89.71          | 8,351.59                    | 974.21        | 5,298.63      | 5,368.50                      | 0.00                          | 0.00                         | 0.00                        |  |
| 13,900.00                   | 89.09              | 89.71          | 8,353.19                    | 974.71        | 5,398.61      | 5,468.05                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,000.00                   | 89.09              | 89.71          | 8,354.78                    | 975.21        | 5,498.60      | 5,567.61                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,100.00                   | 89.09              | 89.71          | 8,356.37                    | 975.71        | 5,598.58      | 5,667.17                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,200.00                   | 89.09              | 89.71          | 8,357.96                    | 976.21        | 5,698.57      | 5,766.72                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,300.00                   | 89.09              | 89.71          | 8,359.55                    | 976.70        | 5,798.56      | 5,866.28                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,400.00                   | 89.09              | 89.71          | 8,361.14                    | 977.20        | 5,898.54      | 5,965.83                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,500.00                   | 89.09              | 89.71          | 8,362.74                    | 977.70        | 5,998.53      | 6,065.39                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,600.00                   | 89.09              | 89.71          | 8,364.33                    | 978.20        | 6,098.51      | 6,164.94                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,700.00                   | 89.09              | 89.71          | 8,365.92                    | 978.70        | 6,198.50      | 6,264.50                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,800.00                   | 89.09              | 89.71          | 8,367.51                    | 979.20        | 6,298.49      | 6,364.06                      | 0.00                          | 0.00                         | 0.00                        |  |
| 14,900.00                   | 89.09              | 89.71          | 8,369.10                    | 979.70        | 6,398.47      | 6,463.61                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,000.00                   | 89.09              | 89.71          | 8,370.69                    | 980.20        | 6,498.46      | 6,563.17                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,100.00                   | 89.09              | 89.71          | 8,372.28                    | 980.70        | 6,598.45      | 6,662.72                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,200.00                   | 89.09              | 89.71          | 8,373.88                    | 981.20        | 6,698.43      | 6,762.28                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,300.00                   | 89.09              | 89.71          | 8,375.47                    | 981.70        | 6,798.42      | 6,861.83                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,400.00                   | 89.09              | 89.71          | 8,377.06                    | 982.20        | 6,898.40      | 6,961.39                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,500.00                   | 89.09              | 89.71          | 8,378.65                    | 982.70        | 6,998.39      | 7,060.95                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,600.00                   | 89.09              | 89.71          | 8,380.24                    | 983.20        | 7,098.38      | 7,160.50                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,700.00                   | 89.09              | 89.71          | 8,381.83                    | 983.70        | 7,198.36      | 7,260.06                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,800.00                   | 89.09              | 89.71          | 8,383.42                    | 984.20        | 7,298.35      | 7,359.61                      | 0.00                          | 0.00                         | 0.00                        |  |
| 15,900.00                   | 89.09              | 89.71          | 8,385.02                    | 984.70        | 7,398.33      | 7,459.17                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,000.00                   | 89.09              | 89.71          | 8,386.61                    | 985.20        | 7,498.32      | 7,558.72                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,100.00                   | 89.09              | 89.71          | 8,388.20                    | 985.70        | 7,598.31      | 7,658.28                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,200.00                   | 89.09              | 89.71          | 8,389.79                    | 986.19        | 7,698.29      | 7,757.84                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,300.00                   | 89.09              | 89.71          | 8,391.38                    | 986.69        | 7,798.28      | 7,857.39                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,400.00                   | 89.09              | 89.71          | 8,392.97                    | 987.19        | 7,898.26      | 7,956.95                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,500.00                   | 89.09              | 89.71          | 8,394.57                    | 987.69        | 7,998.25      | 8,056.50                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,600.00                   | 89.09              | 89.71          | 8,396.16                    | 988.19        | 8,098.24      | 8,156.06                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,700.00                   | 89.09              | 89.71          | 8,397.75                    | 988.69        | 8,198.22      | 8,255.61                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,800.00                   | 89.09              | 89.71          | 8,399.34                    | 989.19        | 8,298.21      | 8,355.17                      | 0.00                          | 0.00                         | 0.00                        |  |
| 16,900.00                   | 89.09              | 89.71          | 8,400.93                    | 989.69        | 8,398.19      | 8,454.73                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,000.00                   | 89.09              | 89.71          | 8,402.52                    | 990.19        | 8,498.18      | 8,554.28                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,100.00                   | 89.09              | 89.71          | 8,404.11                    | 990.69        | 8,598.17      | 8,653.84                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,200.00                   | 89.09              | 89.71          | 8,405.71                    | 991.19        | 8,698.15      | 8,753.39                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,300.00                   | 89.09              | 89.71          | 8,407.30                    | 991.69        | 8,798.14      | 8,852.95                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,400.00                   | 89.09              | 89.71          | 8,408.89                    | 992.19        | 8,898.13      | 8,952.50                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,500.00                   | 89.09              | 89.71          | 8,410.48                    | 992.69        | 8,998.11      | 9,052.06                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,600.00                   | 89.09              | 89.71          | 8,412.07                    | 993.19        | 9,098.10      | 9,151.61                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,700.00                   | 89.09              | 89.71          | 8,413.66                    | 993.69        | 9,198.08      | 9,251.17                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,800.00                   | 89.09              | 89.71          | 8,415.26                    | 994.19        | 9,298.07      | 9,350.73                      | 0.00                          | 0.00                         | 0.00                        |  |
| 17,900.00                   | 89.09              | 89.71          | 8,416.85                    | 994.69        | 9,398.06      | 9,450.28                      | 0.00                          | 0.00                         | 0.00                        |  |



Database: EDM 5000.1 Single User Db  
Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Site: Oxbow 23-24  
Well: Oxbow 23-24 B2MP Fed Com #1HY  
Wellbore: OH  
Design: Plan #1

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

Well Oxbow 23-24 B2MP Fed Com #1HY  
RKB=28' @ 2983.00usft (Patterson 564)  
RKB=28' @ 2983.00usft (Patterson 564)  
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) |
| 18,000.00             | 89.09           | 89.71       | 8,418.44              | 995.19       | 9,498.04     | 9,549.84                | 0.00                    | 0.00                   | 0.00                  |
| 18,100.00             | 89.09           | 89.71       | 8,420.03              | 995.68       | 9,598.03     | 9,649.39                | 0.00                    | 0.00                   | 0.00                  |
| 18,200.00             | 89.09           | 89.71       | 8,421.62              | 996.18       | 9,698.01     | 9,748.95                | 0.00                    | 0.00                   | 0.00                  |
| 18,300.00             | 89.09           | 89.71       | 8,423.21              | 996.68       | 9,798.00     | 9,848.50                | 0.00                    | 0.00                   | 0.00                  |
| 18,400.00             | 89.09           | 89.71       | 8,424.80              | 997.18       | 9,897.99     | 9,948.06                | 0.00                    | 0.00                   | 0.00                  |
| 18,500.00             | 89.09           | 89.71       | 8,426.40              | 997.68       | 9,997.97     | 10,047.62               | 0.00                    | 0.00                   | 0.00                  |
| 18,600.00             | 89.09           | 89.71       | 8,427.99              | 998.18       | 10,097.96    | 10,147.17               | 0.00                    | 0.00                   | 0.00                  |
| 18,663.65             | 89.09           | 89.71       | 8,429.00              | 998.50       | 10,161.60    | 10,210.54               | 0.00                    | 0.00                   | 0.00                  |
| TD at 18663.65        |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets        |                                      |               |             |            |              |              |                 |                |                       |
|-----------------------|--------------------------------------|---------------|-------------|------------|--------------|--------------|-----------------|----------------|-----------------------|
| Target Name           | hit/miss target Shape                | Dip Angle (°) | Dip Dir (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude Longitude    |
| Oxbow 23-24 #1HY BB I | - plan hits target center<br>- Point | 0.00          | 0.00        | 7,791.60   | 945.94       | -359.94      | 403,835.74      | 623,962.76     | 32.109943 -104.066472 |
| Oxbow 23-24 #1HY PBF  | - plan hits target center<br>- Point | 0.00          | 0.00        | 8,429.00   | 998.50       | 10,161.60    | 403,888.30      | 634,484.30     | 32.110011 -104.032489 |

| Plan Annotations      |                       |                   |              |                |
|-----------------------|-----------------------|-------------------|--------------|----------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment        |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                |
| 600.00                | 600.00                | 0.00              | 0.00         | Build 2°/100'  |
| 1,035.00              | 1,033.33              | 16.48             | -28.55       | 200' Hold      |
| 1,235.00              | 1,231.03              | 31.61             | -54.75       | Turn 2°/100'   |
| 1,549.16              | 1,541.88              | 66.17             | -82.49       | 5885' Hold     |
| 7,433.41              | 7,358.51              | 914.54            | -350.04      | Drop 2°/100'   |
| 7,868.17              | 7,791.60              | 945.94            | -359.94      | Build 12°/100' |
| 8,610.57              | 8,269.00              | 948.29            | 109.92       | 10053' Hold    |
| 18,663.65             | 8,429.00              | 998.50            | 10,161.60    | TD at 18663.65 |



**MEWBOURNE**  
**OIL COMPANY**

## **Mewbourne Oil Company**

Eddy Co., NM (NAD 83)

Oxbow 23-24

Oxbow 23-24 B2MP Fed Com #1HY

OH

Plan #1

## **Anticollision Report**

11 February, 2020



**L T I T U D E**  
ENERGY PARTNERS

Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Reference Site: Oxbow 23-24  
Site Error: 0.00 usft  
Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
Well Error: 0.00 usft  
Reference Wellbore: OH  
Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Output errors are at: 2.00 sigma  
Database: EDM 5000.1 Single User Db  
Offset TVD Reference: Offset Datum

|                              |                                                                     |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Reference:                   | Plan #1                                                             |                |                     |
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | MD Interval 100.00usft                                              | Error Model:   | ISCWSA              |
| Depth Range:                 | Unlimited                                                           | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Maximum center-center distance of 11,000.00 usft                    | Error Surface: | Pedal Curve         |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          | Casing Method: | Not applied         |

|                     |                |                   |                     |
|---------------------|----------------|-------------------|---------------------|
| Survey Tool Program | Date: 02/11/20 |                   |                     |
| From (usft)         | To (usft)      | Survey (Wellbore) | Tool Name           |
| 0.00                | 18,663.65      | Plan #1 (OH)      | MWD                 |
|                     |                |                   | Description         |
|                     |                |                   | OWSG MWD - Standard |

| Site Name                                   | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
|---------------------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|---------|
| Oxbow 23-24                                 |                                 |                              |                                 |                                  |                   |         |
| Boyles 24 #001H - OH - OH                   | 15,400.00                       | 7,345.16                     | 1,272.48                        | 1,186.97                         | 14.881            | ES      |
| Boyles 24 #001H - OH - OH                   | 15,464.69                       | 7,345.34                     | 1,270.83                        | 1,188.27                         | 15.392            | CC      |
| Boyles 24 #001H - OH - OH                   | 16,400.00                       | 7,348.02                     | 1,577.91                        | 1,421.31                         | 10.075            | SF      |
| Oxbow 26-25                                 |                                 |                              |                                 |                                  |                   |         |
| Oxbow 26-25 B2DA Fed Com #1H - OH - OH      | 1,130.58                        | 1,129.53                     | 36.29                           | 28.65                            | 4.747             | CC, ES  |
| Oxbow 26-25 B2DA Fed Com #1H - OH - OH      | 1,200.00                        | 1,198.14                     | 37.83                           | 29.69                            | 4.648             | SF      |
| Oxbow 26-25 B2DA Fed Com #1H - OH - Plan #3 | 983.97                          | 983.82                       | 42.90                           | 36.30                            | 6.499             | CC      |
| Oxbow 26-25 B2DA Fed Com #1H - OH - Plan #3 | 1,000.00                        | 1,000.30                     | 42.96                           | 36.24                            | 6.392             | ES      |
| Oxbow 26-25 B2DA Fed Com #1H - OH - Plan #3 | 18,663.65                       | 18,622.58                    | 1,319.67                        | 814.14                           | 2.610             | SF      |

|                                                        |                       |                              |                       |                                  |               |                       |                                   |            |                                 |                                  |                           |
|--------------------------------------------------------|-----------------------|------------------------------|-----------------------|----------------------------------|---------------|-----------------------|-----------------------------------|------------|---------------------------------|----------------------------------|---------------------------|
| Offset Design: Oxbow 23-24 - Boyles 24 #001H - OH - OH |                       |                              |                       |                                  |               |                       |                                   |            |                                 |                                  |                           |
| Survey Program: 200-UNKNOWN                            |                       |                              |                       |                                  |               |                       |                                   |            |                                 |                                  |                           |
| Reference Measured Depth (usft)                        | Vertical Depth (usft) | Offset Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre N-S (usft) | E-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) |
| 0.00                                                   | 0.00                  | 0.00                         | 0.00                  | 0.00                             | 0.00          | 84.54                 | 664.00                            | 6,943.76   | 6,976.25                        |                                  |                           |
| 100.00                                                 | 100.00                | 0.00                         | 0.00                  | 0.13                             | 0.00          | 84.54                 | 664.00                            | 6,943.76   | 6,975.44                        | 6,975.31                         | 0.13                      |
| 200.00                                                 | 200.00                | 104.26                       | 104.26                | 0.49                             | 2.09          | 84.54                 | 663.88                            | 6,943.68   | 6,975.36                        | 6,972.79                         | 2.57                      |
| 300.00                                                 | 300.00                | 216.37                       | 216.37                | 0.85                             | 4.33          | 84.54                 | 663.48                            | 6,943.44   | 6,975.11                        | 6,969.94                         | 5.17                      |
| 400.00                                                 | 400.00                | 324.48                       | 324.48                | 1.20                             | 8.97          | 84.55                 | 662.90                            | 6,943.08   | 6,974.72                        | 6,964.55                         | 10.17                     |
| 500.00                                                 | 500.00                | 433.10                       | 433.09                | 1.56                             | 13.30         | 84.55                 | 662.19                            | 6,942.58   | 6,974.21                        | 6,959.34                         | 14.86                     |
| 600.00                                                 | 600.00                | 541.72                       | 541.70                | 1.92                             | 17.64         | 84.56                 | 661.35                            | 6,941.97   | 6,973.57                        | 6,954.02                         | 19.56                     |
| 625.67                                                 | 625.67                | 569.60                       | 569.58                | 2.01                             | 18.75         | 144.56                | 661.11                            | 6,941.79   | 6,973.48                        | 6,952.72                         | 20.76                     |
| 700.00                                                 | 699.98                | 650.31                       | 650.29                | 2.28                             | 21.97         | 144.57                | 660.38                            | 6,941.23   | 6,974.23                        | 6,949.99                         | 24.24                     |
| 800.00                                                 | 799.84                | 758.77                       | 758.74                | 2.63                             | 26.30         | 144.56                | 659.27                            | 6,940.38   | 6,977.62                        | 6,948.69                         | 26.92                     |
| 900.00                                                 | 899.45                | 866.98                       | 866.94                | 2.99                             | 30.62         | 144.55                | 658.03                            | 6,939.40   | 6,983.72                        | 6,950.12                         | 33.60                     |
| 1,000.00                                               | 998.70                | 974.80                       | 974.75                | 3.36                             | 34.92         | 144.52                | 656.66                            | 6,938.31   | 6,992.55                        | 6,954.29                         | 38.26                     |
| 1,100.00                                               | 1,097.58              | 1,082.24                     | 1,082.17              | 3.75                             | 39.21         | 144.56                | 655.16                            | 6,937.10   | 7,003.49                        | 6,960.58                         | 42.91                     |
| 1,200.00                                               | 1,196.43              | 1,165.79                     | 1,165.71              | 4.15                             | 42.12         | 144.63                | 654.35                            | 6,936.30   | 7,014.81                        | 6,968.61                         | 46.20                     |
| 1,300.00                                               | 1,295.32              | 1,259.73                     | 1,259.64              | 4.55                             | 45.63         | 136.31                | 653.49                            | 6,935.38   | 7,025.53                        | 6,975.46                         | 50.08                     |
| 1,400.00                                               | 1,394.30              | 1,353.76                     | 1,353.66              | 4.95                             | 49.14         | 122.50                | 652.80                            | 6,934.52   | 7,033.63                        | 6,979.66                         | 53.97                     |
| 1,500.00                                               | 1,493.27              | 1,447.77                     | 1,447.67              | 5.35                             | 52.66         | 108.85                | 652.30                            | 6,933.70   | 7,038.92                        | 6,981.05                         | 57.86                     |
| 1,600.00                                               | 1,592.14              | 1,500.00                     | 1,499.90              | 5.74                             | 54.61         | 102.67                | 652.10                            | 6,933.27   | 7,041.90                        | 6,981.70                         | 60.20                     |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 23-24 - Boyles 24 #001H - OH - OH |                             |                             |                             |                              |                           |                             |                        |          |                    |                     |                                 |                      |         | Offset Site Error: 0.00 usft |  |
|--------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------|-----------------------------|------------------------|----------|--------------------|---------------------|---------------------------------|----------------------|---------|------------------------------|--|
| Survey Program: 200-UNKNOWN                            |                             |                             |                             |                              |                           |                             |                        |          |                    |                     |                                 |                      |         | Offset Well Error: 0.00 usft |  |
| Reference                                              |                             | Offset                      |                             | Semi Major Axis              |                           | Highside<br>Toolface<br>(°) | Offset Wellbore Centre |          | Distance           |                     | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |                              |  |
| Measured<br>Depth<br>(usft)                            | Vertical<br>Depth<br>(usft) | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>Depth<br>(usft) | Offset<br>Depth<br>(usft) |                             | NU-S                   | ELLIPSE  | Between<br>Centres | Between<br>Ellipses |                                 |                      |         |                              |  |
| 1,700.00                                               | 1,690.99                    | 1,585.81                    | 1,585.70                    | 6.14                         | 55.29                     | 102.77                      | 651.79                 | 6,932.93 | 7,044.88           | 6,983.60            | 61.28                           | 114.955              |         |                              |  |
| 1,800.00                                               | 1,789.85                    | 1,645.18                    | 1,645.08                    | 6.54                         | 55.76                     | 102.84                      | 651.54                 | 6,933.10 | 7,048.53           | 6,986.38            | 62.15                           | 113.406              |         |                              |  |
| 1,900.00                                               | 1,888.70                    | 1,704.51                    | 1,704.40                    | 6.94                         | 56.23                     | 102.92                      | 651.26                 | 6,933.61 | 7,052.76           | 6,989.74            | 63.02                           | 111.910              |         |                              |  |
| 2,000.00                                               | 1,987.55                    | 1,763.79                    | 1,763.68                    | 7.35                         | 56.71                     | 102.99                      | 650.96                 | 6,934.45 | 7,057.58           | 6,993.69            | 63.89                           | 110.464              |         |                              |  |
| 2,100.00                                               | 2,086.40                    | 1,823.02                    | 1,822.90                    | 7.76                         | 57.18                     | 103.07                      | 650.62                 | 6,935.62 | 7,062.98           | 6,998.22            | 64.76                           | 109.069              |         |                              |  |
| 2,200.00                                               | 2,185.25                    | 1,882.20                    | 1,882.06                    | 8.17                         | 57.65                     | 103.14                      | 650.26                 | 6,937.13 | 7,068.96           | 7,003.34            | 65.62                           | 107.722              |         |                              |  |
| 2,300.00                                               | 2,284.10                    | 2,000.00                    | 1,999.78                    | 8.58                         | 58.59                     | 103.29                      | 649.45                 | 6,941.12 | 7,075.94           | 7,008.96            | 66.98                           | 105.646              |         |                              |  |
| 2,400.00                                               | 2,382.95                    | 2,000.71                    | 2,000.50                    | 8.99                         | 58.59                     | 103.29                      | 649.45                 | 6,941.15 | 7,082.69           | 7,015.35            | 67.34                           | 105.176              |         |                              |  |
| 2,500.00                                               | 2,481.80                    | 2,111.56                    | 2,111.26                    | 9.41                         | 58.15                     | 103.43                      | 648.47                 | 6,945.43 | 7,090.06           | 7,022.74            | 67.32                           | 105.320              |         |                              |  |
| 2,600.00                                               | 2,580.65                    | 2,222.34                    | 2,221.95                    | 9.82                         | 57.71                     | 103.58                      | 647.17                 | 6,949.54 | 7,097.30           | 7,030.00            | 67.30                           | 105.462              |         |                              |  |
| 2,700.00                                               | 2,679.50                    | 2,333.04                    | 2,332.57                    | 10.24                        | 57.27                     | 103.72                      | 645.55                 | 6,953.48 | 7,104.40           | 7,037.12            | 67.28                           | 105.599              |         |                              |  |
| 2,800.00                                               | 2,778.35                    | 2,443.66                    | 2,443.11                    | 10.66                        | 56.84                     | 103.87                      | 643.60                 | 6,957.24 | 7,111.37           | 7,044.11            | 67.26                           | 105.732              |         |                              |  |
| 2,900.00                                               | 2,877.20                    | 2,554.90                    | 2,554.26                    | 11.08                        | 57.89                     | 104.04                      | 641.18                 | 6,961.11 | 7,118.17           | 7,049.46            | 68.71                           | 103.590              |         |                              |  |
| 3,000.00                                               | 2,976.05                    | 2,697.38                    | 2,696.67                    | 11.50                        | 60.45                     | 104.22                      | 638.71                 | 6,964.76 | 7,124.58           | 7,052.88            | 71.70                           | 99.361               |         |                              |  |
| 3,100.00                                               | 3,074.90                    | 2,830.05                    | 2,829.28                    | 11.92                        | 63.03                     | 104.39                      | 636.50                 | 6,967.77 | 7,130.56           | 7,055.87            | 74.69                           | 95.465               |         |                              |  |
| 3,200.00                                               | 3,173.75                    | 2,962.88                    | 2,962.08                    | 12.34                        | 65.60                     | 104.56                      | 634.54                 | 6,970.13 | 7,136.11           | 7,058.42            | 77.68                           | 91.861               |         |                              |  |
| 3,300.00                                               | 3,272.61                    | 3,095.87                    | 3,095.05                    | 12.76                        | 68.18                     | 104.73                      | 632.85                 | 6,971.84 | 7,141.21           | 7,060.54            | 80.67                           | 88.518               |         |                              |  |
| 3,400.00                                               | 3,371.46                    | 3,192.68                    | 3,191.84                    | 13.18                        | 72.47                     | 104.86                      | 631.70                 | 6,973.04 | 7,146.31           | 7,060.93            | 85.38                           | 83.703               |         |                              |  |
| 3,500.00                                               | 3,470.31                    | 3,304.74                    | 3,303.89                    | 13.60                        | 76.04                     | 105.00                      | 630.53                 | 6,974.13 | 7,151.17           | 7,061.81            | 89.37                           | 80.021               |         |                              |  |
| 3,600.00                                               | 3,569.16                    | 3,416.87                    | 3,416.02                    | 14.02                        | 79.61                     | 105.14                      | 629.49                 | 6,975.00 | 7,155.89           | 7,062.54            | 93.36                           | 76.651               |         |                              |  |
| 3,700.00                                               | 3,668.01                    | 3,529.07                    | 3,528.21                    | 14.44                        | 83.19                     | 105.28                      | 628.58                 | 6,975.65 | 7,160.46           | 7,063.11            | 97.35                           | 73.554               |         |                              |  |
| 3,800.00                                               | 3,766.86                    | 3,628.12                    | 3,627.25                    | 14.87                        | 86.97                     | 105.40                      | 627.86                 | 6,976.15 | 7,164.98           | 7,063.43            | 101.55                          | 70.556               |         |                              |  |
| 3,900.00                                               | 3,865.71                    | 3,729.90                    | 3,729.04                    | 15.29                        | 90.72                     | 105.52                      | 627.18                 | 6,976.61 | 7,169.50           | 7,063.79            | 105.71                          | 67.822               |         |                              |  |
| 4,000.00                                               | 3,964.56                    | 3,831.71                    | 3,830.84                    | 15.71                        | 94.46                     | 105.65                      | 626.55                 | 6,977.03 | 7,174.00           | 7,064.13            | 109.87                          | 65.295               |         |                              |  |
| 4,100.00                                               | 4,063.41                    | 3,933.55                    | 3,932.67                    | 16.13                        | 98.20                     | 105.77                      | 625.99                 | 6,977.41 | 7,178.49           | 7,064.46            | 114.03                          | 62.952               |         |                              |  |
| 4,200.00                                               | 4,162.26                    | 4,036.41                    | 4,035.53                    | 16.56                        | 102.01                    | 105.89                      | 625.48                 | 6,977.73 | 7,182.97           | 7,064.71            | 118.25                          | 60.742               |         |                              |  |
| 4,300.00                                               | 4,261.11                    | 4,141.16                    | 4,140.28                    | 16.98                        | 105.93                    | 106.02                      | 624.96                 | 6,977.99 | 7,187.40           | 7,064.81            | 122.59                          | 58.628               |         |                              |  |
| 4,400.00                                               | 4,359.96                    | 4,245.92                    | 4,245.04                    | 17.40                        | 109.85                    | 106.14                      | 624.42                 | 6,978.16 | 7,191.79           | 7,064.86            | 126.93                          | 56.659               |         |                              |  |
| 4,500.00                                               | 4,458.81                    | 4,350.67                    | 4,349.80                    | 17.83                        | 113.77                    | 106.27                      | 623.86                 | 6,978.25 | 7,196.12           | 7,064.86            | 131.27                          | 54.820               |         |                              |  |
| 4,600.00                                               | 4,557.66                    | 4,455.44                    | 4,454.56                    | 18.25                        | 117.69                    | 106.39                      | 623.28                 | 6,978.24 | 7,200.41           | 7,064.80            | 135.61                          | 53.098               |         |                              |  |
| 4,700.00                                               | 4,656.51                    | 4,568.46                    | 4,567.58                    | 18.68                        | 121.48                    | 106.53                      | 622.60                 | 6,978.10 | 7,204.61           | 7,064.79            | 139.82                          | 51.528               |         |                              |  |
| 4,800.00                                               | 4,755.37                    | 4,687.56                    | 4,686.67                    | 19.10                        | 125.18                    | 106.68                      | 621.67                 | 6,977.65 | 7,208.58           | 7,064.64            | 143.94                          | 50.080               |         |                              |  |
| 4,900.00                                               | 4,854.22                    | 4,806.62                    | 4,805.73                    | 19.52                        | 128.89                    | 106.82                      | 620.52                 | 6,976.86 | 7,212.30           | 7,064.24            | 148.06                          | 48.712               |         |                              |  |
| 5,000.00                                               | 4,953.07                    | 4,925.64                    | 4,924.73                    | 19.95                        | 132.58                    | 106.97                      | 619.13                 | 6,975.74 | 7,215.78           | 7,063.60            | 152.18                          | 47.417               |         |                              |  |
| 5,100.00                                               | 5,051.92                    | 5,044.60                    | 5,043.67                    | 20.37                        | 136.28                    | 107.12                      | 617.51                 | 6,974.29 | 7,219.02           | 7,062.73            | 156.29                          | 46.189               |         |                              |  |
| 5,200.00                                               | 5,150.77                    | 5,116.86                    | 5,115.92                    | 20.80                        | 139.76                    | 107.21                      | 616.42                 | 6,973.56 | 7,222.45           | 7,063.26            | 159.19                          | 45.370               |         |                              |  |
| 5,300.00                                               | 5,249.62                    | 5,201.80                    | 5,200.84                    | 21.22                        | 143.56                    | 107.32                      | 615.03                 | 6,972.80 | 7,226.08           | 7,063.66            | 162.42                          | 44.491               |         |                              |  |
| 5,400.00                                               | 5,348.47                    | 5,286.68                    | 5,285.71                    | 21.65                        | 144.36                    | 107.43                      | 613.52                 | 6,972.20 | 7,229.92           | 7,064.28            | 165.64                          | 43.649               |         |                              |  |
| 5,500.00                                               | 5,447.32                    | 5,371.51                    | 5,370.52                    | 22.07                        | 147.17                    | 107.54                      | 611.89                 | 6,971.76 | 7,233.99           | 7,065.13            | 168.86                          | 42.840               |         |                              |  |
| 5,600.00                                               | 5,546.17                    | 5,456.29                    | 5,455.28                    | 22.50                        | 149.97                    | 107.65                      | 610.15                 | 6,971.48 | 7,238.28           | 7,066.21            | 172.08                          | 42.064               |         |                              |  |
| 5,700.00                                               | 5,645.02                    | 5,546.38                    | 5,545.35                    | 22.92                        | 153.26                    | 107.77                      | 608.19                 | 6,971.34 | 7,242.79           | 7,067.00            | 175.79                          | 41.202               |         |                              |  |
| 5,800.00                                               | 5,743.87                    | 5,642.19                    | 5,641.14                    | 23.35                        | 157.08                    | 107.89                      | 606.17                 | 6,971.24 | 7,247.38           | 7,067.36            | 180.02                          | 40.258               |         |                              |  |
| 5,900.00                                               | 5,842.72                    | 5,738.02                    | 5,736.95                    | 23.77                        | 160.90                    | 108.01                      | 604.21                 | 6,971.18 | 7,252.05           | 7,067.79            | 184.26                          | 39.358               |         |                              |  |
| 6,000.00                                               | 5,941.57                    | 5,833.87                    | 5,832.79                    | 24.20                        | 164.72                    | 108.14                      | 602.34                 | 6,971.16 | 7,256.80           | 7,068.30            | 188.49                          | 38.499               |         |                              |  |
| 6,100.00                                               | 6,040.42                    | 5,929.75                    | 5,928.64                    | 24.62                        | 168.54                    | 108.26                      | 600.54                 | 6,971.18 | 7,261.61           | 7,068.88            | 192.73                          | 37.677               |         |                              |  |
| 6,200.00                                               | 6,139.28                    | 6,025.65                    | 6,024.53                    | 25.05                        | 172.36                    | 108.38                      | 598.82                 | 6,971.23 | 7,266.50           | 7,069.53            | 196.97                          | 36.892               |         |                              |  |
| 6,300.00                                               | 6,238.13                    | 6,105.66                    | 6,104.54                    | 25.47                        | 171.35                    | 108.47                      | 599.44                 | 6,971.46 | 7,271.60           | 7,075.23            | 196.37                          | 37.031               |         |                              |  |
| 6,400.00                                               | 6,336.98                    | 6,189.75                    | 6,188.56                    | 25.90                        | 171.36                    | 108.54                      | 602.51                 | 6,971.92 | 7,276.92           | 7,080.14            | 196.78                          | 36.979               |         |                              |  |
| 6,500.00                                               | 6,435.83                    | 6,274.30                    | 6,272.91                    | 26.33                        | 171.39                    | 108.59                      | 608.22                 | 6,972.62 | 7,282.46           | 7,085.26            | 197.20                          | 36.929               |         |                              |  |
| 6,600.00                                               | 6,534.68                    | 6,359.15                    | 6,357.34                    | 26.75                        | 171.42                    | 108.62                      | 616.58                 | 6,973.55 | 7,288.21           | 7,090.58            | 197.62                          | 36.879               |         |                              |  |
| 6,700.00                                               | 6,633.53                    | 6,444.13                    | 6,441.60                    | 27.18                        | 171.46                    | 108.63                      | 627.58                 | 6,974.72 | 7,294.16           | 7,096.12            | 198.04                          | 36.831               |         |                              |  |
| 6,800.00                                               | 6,732.38                    | 6,529.08                    | 6,525.44                    | 27.60                        | 171.50                    | 108.62                      | 641.21                 | 6,976.12 | 7,300.32           | 7,101.85            | 198.46                          | 36.785               |         |                              |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design Oxbow 23-24 - Boyles 24 #001H - OH - OH |                       |                       |                       |                 |               |                         |                                   |                                   |                        | Offset Site Error       |                           | 0.00 usft         |         |
|-------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------|---------------|-------------------------|-----------------------------------|-----------------------------------|------------------------|-------------------------|---------------------------|-------------------|---------|
| Survey Program: 200-UNKNOWN                           |                       |                       |                       |                 |               |                         |                                   |                                   |                        | Offset Well Error       |                           | 0.00 usft         |         |
| Reference                                             |                       | Offset                |                       | Semi Major Axis |               | Distance                |                                   |                                   |                        |                         |                           |                   |         |
| Measured Depth (usft)                                 | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference       | Offset (usft) | Highside Footcandle (") | Offset Wellbore Centre N-S (usft) | Offset Wellbore Centre E-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 6,900.00                                              | 6,831.23              | 6,699.63              | 6,686.09              | 28.03           | 166.52        | 108.37                  | 696.32                            | 6,978.83                          | 7,306.09               | 7,113.25                | 192.84                    | 37.887            |         |
| 7,000.00                                              | 6,930.08              | 6,840.88              | 6,801.25              | 28.45           | 162.39        | 107.87                  | 777.43                            | 6,980.45                          | 7,311.20               | 7,122.98                | 188.22                    | 38.844            |         |
| 7,100.00                                              | 7,028.93              | 6,946.07              | 6,871.55              | 28.88           | 159.33        | 107.34                  | 855.46                            | 6,981.21                          | 7,316.27               | 7,131.39                | 184.89                    | 39.572            |         |
| 7,200.00                                              | 7,127.78              | 7,022.27              | 6,912.54              | 29.31           | 157.13        | 106.89                  | 919.62                            | 6,981.50                          | 7,321.84               | 7,139.26                | 182.57                    | 40.104            |         |
| 7,300.00                                              | 7,226.63              | 7,076.39              | 6,937.84              | 29.73           | 156.90        | 106.55                  | 967.45                            | 6,981.64                          | 7,328.23               | 7,145.14                | 183.08                    | 40.026            |         |
| 7,400.00                                              | 7,325.48              | 7,124.21              | 6,957.95              | 30.16           | 156.45        | 106.24                  | 1,010.83                          | 6,981.73                          | 7,335.58               | 7,152.42                | 183.16                    | 40.050            |         |
| 7,500.00                                              | 7,424.45              | 7,165.15              | 6,973.50              | 30.58           | 156.08        | 106.06                  | 1,048.70                          | 6,981.78                          | 7,343.75               | 7,160.50                | 183.25                    | 40.075            |         |
| 7,600.00                                              | 7,523.82              | 7,198.77              | 6,985.10              | 30.97           | 155.79        | 105.99                  | 1,080.26                          | 6,981.81                          | 7,352.12               | 7,168.79                | 183.33                    | 40.103            |         |
| 7,700.00                                              | 7,623.53              | 7,226.11              | 6,993.76              | 31.34           | 155.56        | 105.96                  | 1,106.19                          | 6,981.82                          | 7,360.72               | 7,177.32                | 183.39                    | 40.136            |         |
| 7,800.00                                              | 7,723.44              | 7,248.15              | 7,000.21              | 31.68           | 155.37        | 105.97                  | 1,127.26                          | 6,981.82                          | 7,369.59               | 7,186.15                | 183.44                    | 40.175            |         |
| 7,900.00                                              | 7,823.41              | 7,265.80              | 7,005.05              | 31.99           | 155.23        | -1.26                   | 1,144.23                          | 6,981.82                          | 7,377.75               | 7,194.31                | 183.44                    | 40.218            |         |
| 8,000.00                                              | 7,921.76              | 7,280.88              | 7,008.94              | 32.24           | 155.11        | -1.39                   | 1,158.80                          | 6,981.81                          | 7,370.94               | 7,187.54                | 183.40                    | 40.190            |         |
| 8,100.00                                              | 8,014.43              | 7,293.69              | 7,012.08              | 32.43           | 155.01        | -1.57                   | 1,171.22                          | 6,981.80                          | 7,344.81               | 7,161.49                | 183.32                    | 40.086            |         |
| 8,200.00                                              | 8,097.36              | 7,304.18              | 7,014.53              | 32.55           | 154.93        | -1.84                   | 1,181.42                          | 6,981.79                          | 7,300.32               | 7,117.13                | 183.19                    | 39.850            |         |
| 8,300.00                                              | 8,166.92              | 7,312.36              | 7,016.36              | 32.60           | 154.87        | -2.26                   | 1,189.40                          | 6,981.79                          | 7,239.12               | 7,056.09                | 183.04                    | 39.550            |         |
| 8,400.00                                              | 8,220.08              | 7,318.30              | 7,017.65              | 32.61           | 154.82        | -2.96                   | 1,195.19                          | 6,981.78                          | 7,163.51               | 6,980.65                | 182.86                    | 39.174            |         |
| 8,500.00                                              | 8,254.52              | 7,322.06              | 7,018.45              | 32.58           | 154.80        | -4.41                   | 1,198.86                          | 6,981.78                          | 7,076.39               | 6,893.70                | 182.70                    | 38.733            |         |
| 8,600.00                                              | 8,268.72              | 7,323.68              | 7,018.80              | 32.56           | 154.78        | -8.82                   | 1,200.45                          | 6,981.78                          | 6,981.23               | 6,798.67                | 182.56                    | 38.240            |         |
| 8,700.00                                              | 8,270.43              | 7,324.04              | 7,018.87              | 32.69           | 154.78        | -9.88                   | 1,200.80                          | 6,981.77                          | 6,882.95               | 6,700.49                | 182.46                    | 37.722            |         |
| 8,800.00                                              | 8,272.02              | 7,324.38              | 7,018.94              | 33.21           | 154.78        | -9.90                   | 1,201.13                          | 6,981.77                          | 6,784.70               | 6,602.34                | 182.36                    | 37.205            |         |
| 8,900.00                                              | 8,273.61              | 7,324.72              | 7,019.01              | 34.10           | 154.78        | -9.91                   | 1,201.47                          | 6,981.77                          | 6,686.49               | 6,504.24                | 182.25                    | 36.688            |         |
| 9,000.00                                              | 8,275.20              | 7,325.06              | 7,019.08              | 35.18           | 154.77        | -9.93                   | 1,201.80                          | 6,981.77                          | 6,588.35               | 6,406.20                | 182.14                    | 36.172            |         |
| 9,100.00                                              | 8,276.79              | 7,325.40              | 7,019.15              | 36.40           | 154.77        | -9.94                   | 1,202.13                          | 6,981.77                          | 6,490.25               | 6,308.23                | 182.03                    | 35.655            |         |
| 9,200.00                                              | 8,278.39              | 7,325.74              | 7,019.22              | 37.74           | 154.77        | -9.96                   | 1,202.46                          | 6,981.77                          | 6,392.22               | 6,210.31                | 181.91                    | 35.139            |         |
| 9,300.00                                              | 8,279.98              | 7,326.08              | 7,019.29              | 39.19           | 154.77        | -9.97                   | 1,202.80                          | 6,981.77                          | 6,294.25               | 6,112.46                | 181.79                    | 34.623            |         |
| 9,400.00                                              | 8,281.57              | 7,326.42              | 7,019.36              | 40.73           | 154.76        | -9.99                   | 1,203.13                          | 6,981.77                          | 6,196.34               | 6,014.67                | 181.67                    | 34.108            |         |
| 9,500.00                                              | 8,283.16              | 7,326.75              | 7,019.43              | 42.35           | 154.76        | -10.00                  | 1,203.45                          | 6,981.77                          | 6,098.50               | 5,916.96                | 181.54                    | 33.593            |         |
| 9,600.00                                              | 8,284.75              | 7,327.09              | 7,019.50              | 44.04           | 154.76        | -10.02                  | 1,203.78                          | 6,981.77                          | 6,000.74               | 5,819.32                | 181.41                    | 33.078            |         |
| 9,700.00                                              | 8,286.34              | 7,327.42              | 7,019.57              | 45.80           | 154.76        | -10.03                  | 1,204.11                          | 6,981.77                          | 5,903.04               | 5,721.77                | 181.28                    | 32.564            |         |
| 9,800.00                                              | 8,287.93              | 7,327.76              | 7,019.64              | 47.62           | 154.75        | -10.05                  | 1,204.44                          | 6,981.77                          | 5,805.43               | 5,624.29                | 181.14                    | 32.050            |         |
| 9,900.00                                              | 8,289.53              | 7,328.09              | 7,019.71              | 49.49           | 154.75        | -10.07                  | 1,204.76                          | 6,981.77                          | 5,707.90               | 5,526.90                | 180.99                    | 31.536            |         |
| 10,000.00                                             | 8,291.12              | 7,328.42              | 7,019.78              | 51.40           | 154.75        | -10.08                  | 1,205.09                          | 6,981.77                          | 5,610.45               | 5,429.61                | 180.84                    | 31.024            |         |
| 10,100.00                                             | 8,292.71              | 7,328.75              | 7,019.84              | 53.36           | 154.75        | -10.09                  | 1,205.41                          | 6,981.77                          | 5,513.10               | 5,332.41                | 180.69                    | 30.511            |         |
| 10,200.00                                             | 8,294.30              | 7,329.08              | 7,019.91              | 55.35           | 154.74        | -10.11                  | 1,205.74                          | 6,981.77                          | 5,415.84               | 5,235.31                | 180.53                    | 30.000            |         |
| 10,300.00                                             | 8,295.89              | 7,329.41              | 7,019.98              | 57.37           | 154.74        | -10.12                  | 1,206.06                          | 6,981.77                          | 5,318.69               | 5,138.32                | 180.36                    | 29.489            |         |
| 10,400.00                                             | 8,297.48              | 7,329.74              | 7,020.05              | 59.43           | 154.74        | -10.14                  | 1,206.38                          | 6,981.77                          | 5,221.64               | 5,041.45                | 180.19                    | 28.978            |         |
| 10,500.00                                             | 8,299.08              | 7,330.07              | 7,020.11              | 61.51           | 154.74        | -10.15                  | 1,206.70                          | 6,981.77                          | 5,124.71               | 4,944.69                | 180.01                    | 28.469            |         |
| 10,600.00                                             | 8,300.67              | 7,330.40              | 7,020.18              | 63.61           | 154.73        | -10.17                  | 1,207.02                          | 6,981.77                          | 5,027.89               | 4,848.07                | 179.82                    | 27.960            |         |
| 10,700.00                                             | 8,302.26              | 7,330.72              | 7,020.25              | 65.74           | 154.73        | -10.18                  | 1,207.34                          | 6,981.77                          | 4,931.20               | 4,751.58                | 179.63                    | 27.452            |         |
| 10,800.00                                             | 8,303.85              | 7,331.05              | 7,020.31              | 67.89           | 154.73        | -10.20                  | 1,207.66                          | 6,981.77                          | 4,834.65               | 4,655.23                | 179.43                    | 26.945            |         |
| 10,900.00                                             | 8,305.44              | 7,331.37              | 7,020.38              | 70.05           | 154.73        | -10.21                  | 1,207.98                          | 6,981.77                          | 4,738.24               | 4,559.03                | 179.21                    | 26.439            |         |
| 11,000.00                                             | 8,307.03              | 7,331.69              | 7,020.44              | 72.23           | 154.72        | -10.23                  | 1,208.29                          | 6,981.77                          | 4,641.99               | 4,462.99                | 178.99                    | 25.934            |         |
| 11,100.00                                             | 8,308.62              | 7,332.02              | 7,020.51              | 74.43           | 154.72        | -10.24                  | 1,208.61                          | 6,981.77                          | 4,545.89               | 4,367.13                | 178.76                    | 25.430            |         |
| 11,200.00                                             | 8,310.22              | 7,332.34              | 7,020.57              | 76.64           | 154.72        | -10.26                  | 1,208.92                          | 6,981.77                          | 4,449.96               | 4,271.45                | 178.52                    | 24.927            |         |
| 11,300.00                                             | 8,311.81              | 7,332.66              | 7,020.64              | 78.86           | 154.72        | -10.27                  | 1,209.24                          | 6,981.77                          | 4,354.22               | 4,175.96                | 178.26                    | 24.426            |         |
| 11,400.00                                             | 8,313.40              | 7,332.98              | 7,020.70              | 81.09           | 154.72        | -10.29                  | 1,209.55                          | 6,981.76                          | 4,258.68               | 4,080.68                | 178.00                    | 23.926            |         |
| 11,500.00                                             | 8,314.99              | 7,333.30              | 7,020.76              | 83.34           | 154.71        | -10.30                  | 1,209.87                          | 6,981.76                          | 4,163.34               | 3,985.63                | 177.72                    | 23.427            |         |
| 11,600.00                                             | 8,316.58              | 7,333.62              | 7,020.83              | 85.59           | 154.71        | -10.31                  | 1,210.18                          | 6,981.76                          | 4,068.23               | 3,890.81                | 177.42                    | 22.930            |         |
| 11,700.00                                             | 8,318.17              | 7,333.94              | 7,020.89              | 87.86           | 154.71        | -10.33                  | 1,210.49                          | 6,981.76                          | 3,973.36               | 3,796.25                | 177.11                    | 22.435            |         |
| 11,800.00                                             | 8,319.76              | 7,334.25              | 7,020.95              | 90.13           | 154.71        | -10.34                  | 1,210.80                          | 6,981.76                          | 3,878.75               | 3,701.96                | 176.78                    | 21.941            |         |
| 11,900.00                                             | 8,321.36              | 7,334.57              | 7,021.02              | 92.41           | 154.70        | -10.36                  | 1,211.11                          | 6,981.76                          | 3,784.41               | 3,607.97                | 176.43                    | 21.449            |         |
| 12,000.00                                             | 8,322.95              | 7,334.89              | 7,021.08              | 94.69           | 154.70        | -10.37                  | 1,211.42                          | 6,981.76                          | 3,690.37               | 3,514.30                | 176.07                    | 20.960            |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 23-24 - Boyles 24 #001H - OH - OH |                       |                       |                       |            |               |                       |                               |            |                        |                         |                           |                   |         | Offset Site Error: 0.00 usft |
|--------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------|---------------|-----------------------|-------------------------------|------------|------------------------|-------------------------|---------------------------|-------------------|---------|------------------------------|
| Survey Program: 200-UNKNOWN                            |                       |                       |                       |            |               |                       |                               |            |                        |                         |                           |                   |         | Offset Well Error: 0.00 usft |
| Measured Depth (usft)                                  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | References | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre (usft) | E/W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |                              |
| 12,100.00                                              | 8,324.54              | 7,335.20              | 7,021.14              | 96.99      | 154.70        | -10.39                | 1,211.73                      | 6,981.76   | 3,596.65               | 3,420.97                | 175.68                    | 20.473            |         |                              |
| 12,200.00                                              | 8,326.13              | 7,335.51              | 7,021.20              | 99.29      | 154.70        | -10.40                | 1,212.04                      | 6,981.76   | 3,503.28               | 3,328.01                | 175.27                    | 19.988            |         |                              |
| 12,300.00                                              | 8,327.72              | 7,335.83              | 7,021.27              | 101.59     | 154.69        | -10.41                | 1,212.34                      | 6,981.76   | 3,410.29               | 3,235.46                | 174.83                    | 19.507            |         |                              |
| 12,400.00                                              | 8,329.31              | 7,336.14              | 7,021.33              | 103.90     | 154.69        | -10.43                | 1,212.65                      | 6,981.76   | 3,317.70               | 3,143.34                | 174.36                    | 19.028            |         |                              |
| 12,500.00                                              | 8,330.91              | 7,336.45              | 7,021.39              | 106.22     | 154.69        | -10.44                | 1,212.95                      | 6,981.76   | 3,225.55               | 3,051.69                | 173.86                    | 18.552            |         |                              |
| 12,600.00                                              | 8,332.50              | 7,336.76              | 7,021.45              | 108.54     | 154.69        | -10.46                | 1,213.26                      | 6,981.76   | 3,133.89               | 2,960.56                | 173.33                    | 18.080            |         |                              |
| 12,700.00                                              | 8,334.09              | 7,337.07              | 7,021.51              | 110.86     | 154.69        | -10.47                | 1,213.56                      | 6,981.76   | 3,042.75               | 2,869.99                | 172.76                    | 17.612            |         |                              |
| 12,800.00                                              | 8,335.68              | 7,337.38              | 7,021.57              | 113.19     | 154.68        | -10.48                | 1,213.87                      | 6,981.76   | 2,952.19               | 2,780.04                | 172.15                    | 17.149            |         |                              |
| 12,900.00                                              | 8,337.27              | 7,337.69              | 7,021.63              | 115.53     | 154.68        | -10.50                | 1,214.17                      | 6,981.76   | 2,862.25               | 2,690.76                | 171.49                    | 16.690            |         |                              |
| 13,000.00                                              | 8,338.86              | 7,338.00              | 7,021.69              | 117.86     | 154.68        | -10.51                | 1,214.47                      | 6,981.76   | 2,773.01               | 2,602.22                | 170.78                    | 16.237            |         |                              |
| 13,100.00                                              | 8,340.45              | 7,338.30              | 7,021.75              | 120.20     | 154.68        | -10.53                | 1,214.77                      | 6,981.76   | 2,684.52               | 2,514.51                | 170.01                    | 15.790            |         |                              |
| 13,200.00                                              | 8,342.05              | 7,338.61              | 7,021.81              | 122.55     | 154.67        | -10.54                | 1,215.07                      | 6,981.76   | 2,596.87               | 2,427.69                | 169.18                    | 15.350            |         |                              |
| 13,300.00                                              | 8,343.64              | 7,338.91              | 7,021.87              | 124.89     | 154.67        | -10.55                | 1,215.37                      | 6,981.76   | 2,510.14               | 2,341.87                | 168.27                    | 14.918            |         |                              |
| 13,400.00                                              | 8,345.23              | 7,339.22              | 7,021.93              | 127.24     | 154.67        | -10.57                | 1,215.67                      | 6,981.76   | 2,424.43               | 2,257.16                | 167.27                    | 14.494            |         |                              |
| 13,500.00                                              | 8,346.82              | 7,339.52              | 7,021.99              | 129.59     | 154.67        | -10.58                | 1,215.97                      | 6,981.76   | 2,339.86               | 2,173.68                | 166.17                    | 14.081            |         |                              |
| 13,600.00                                              | 8,348.41              | 7,339.83              | 7,022.05              | 131.95     | 154.67        | -10.59                | 1,216.26                      | 6,981.76   | 2,256.55               | 2,091.58                | 164.96                    | 13.679            |         |                              |
| 13,700.00                                              | 8,350.00              | 7,340.13              | 7,022.11              | 134.31     | 154.66        | -10.61                | 1,216.56                      | 6,981.76   | 2,174.64               | 2,011.02                | 163.62                    | 13.291            |         |                              |
| 13,800.00                                              | 8,351.59              | 7,340.43              | 7,022.17              | 136.67     | 154.66        | -10.62                | 1,216.86                      | 6,981.76   | 2,094.31               | 1,932.19                | 162.12                    | 12.918            |         |                              |
| 13,900.00                                              | 8,353.19              | 7,340.73              | 7,022.22              | 139.03     | 154.66        | -10.63                | 1,217.15                      | 6,981.76   | 2,015.74               | 1,855.30                | 160.44                    | 12.564            |         |                              |
| 14,000.00                                              | 8,354.78              | 7,341.03              | 7,022.28              | 141.39     | 154.66        | -10.65                | 1,217.45                      | 6,981.75   | 1,939.14               | 1,780.59                | 158.55                    | 12.230            |         |                              |
| 14,100.00                                              | 8,356.37              | 7,341.33              | 7,022.34              | 143.76     | 154.65        | -10.66                | 1,217.74                      | 6,981.75   | 1,864.76               | 1,708.35                | 156.41                    | 11.922            |         |                              |
| 14,200.00                                              | 8,357.96              | 7,341.63              | 7,022.40              | 146.13     | 154.65        | -10.68                | 1,218.03                      | 6,981.75   | 1,792.88               | 1,638.89                | 153.98                    | 11.643            |         |                              |
| 14,300.00                                              | 8,359.55              | 7,341.93              | 7,022.45              | 148.50     | 154.65        | -10.69                | 1,218.33                      | 6,981.75   | 1,723.80               | 1,572.59                | 151.21                    | 11.400            |         |                              |
| 14,400.00                                              | 8,361.14              | 7,342.22              | 7,022.51              | 150.87     | 154.65        | -10.70                | 1,218.62                      | 6,981.75   | 1,657.87               | 1,509.83                | 148.04                    | 11.199            |         |                              |
| 14,500.00                                              | 8,362.74              | 7,342.52              | 7,022.57              | 153.24     | 154.65        | -10.72                | 1,218.91                      | 6,981.75   | 1,595.50               | 1,451.09                | 144.41                    | 11.048            |         |                              |
| 14,600.00                                              | 8,364.33              | 7,342.82              | 7,022.62              | 155.62     | 154.64        | -10.73                | 1,219.20                      | 6,981.75   | 1,537.10               | 1,396.85                | 140.25                    | 10.960            |         |                              |
| 14,700.00                                              | 8,365.92              | 7,343.11              | 7,022.68              | 157.99     | 154.64        | -10.74                | 1,219.49                      | 6,981.75   | 1,483.15               | 1,347.66                | 135.49                    | 10.947            |         |                              |
| 14,800.00                                              | 8,367.51              | 7,343.41              | 7,022.74              | 160.37     | 154.64        | -10.76                | 1,219.78                      | 6,981.75   | 1,434.16               | 1,304.08                | 130.07                    | 11.026            |         |                              |
| 14,900.00                                              | 8,369.10              | 7,343.70              | 7,022.79              | 162.75     | 154.64        | -10.77                | 1,220.06                      | 6,981.75   | 1,390.64               | 1,266.69                | 123.95                    | 11.219            |         |                              |
| 15,000.00                                              | 8,370.69              | 7,343.99              | 7,022.85              | 165.13     | 154.64        | -10.78                | 1,220.35                      | 6,981.75   | 1,353.12               | 1,236.02                | 117.10                    | 11.555            |         |                              |
| 15,100.00                                              | 8,372.28              | 7,344.28              | 7,022.90              | 167.51     | 154.63        | -10.79                | 1,220.64                      | 6,981.75   | 1,322.12               | 1,212.57                | 109.55                    | 12.068            |         |                              |
| 15,200.00                                              | 8,373.88              | 7,344.57              | 7,022.96              | 169.90     | 154.63        | -10.81                | 1,220.93                      | 6,981.75   | 1,298.10               | 1,196.67                | 101.43                    | 12.798            |         |                              |
| 15,300.00                                              | 8,375.47              | 7,344.87              | 7,023.01              | 172.28     | 154.63        | -10.82                | 1,221.21                      | 6,981.75   | 1,281.46               | 1,188.39                | 93.07                     | 13.768            |         |                              |
| 15,400.00                                              | 8,377.06              | 7,345.16              | 7,023.07              | 174.67     | 154.63        | -10.83                | 1,221.50                      | 6,981.75   | 1,272.48               | 1,186.97                | 85.51                     | 14.881 ES         |         |                              |
| 15,464.69                                              | 8,378.09              | 7,345.34              | 7,023.10              | 176.21     | 154.63        | -10.84                | 1,221.68                      | 6,981.75   | 1,270.83               | 1,188.27                | 82.56                     | 15.392 CC         |         |                              |
| 15,500.00                                              | 8,378.65              | 7,345.44              | 7,023.12              | 177.05     | 154.62        | -10.85                | 1,221.78                      | 6,981.75   | 1,271.32               | 1,188.94                | 82.39                     | 15.431            |         |                              |
| 15,600.00                                              | 8,380.24              | 7,345.73              | 7,023.17              | 179.44     | 154.62        | -10.86                | 1,222.06                      | 6,981.75   | 1,278.02               | 1,189.95                | 88.06                     | 14.513            |         |                              |
| 15,700.00                                              | 8,381.83              | 7,346.02              | 7,023.23              | 181.83     | 154.62        | -10.87                | 1,222.35                      | 6,981.75   | 1,292.43               | 1,194.42                | 98.02                     | 13.186            |         |                              |
| 15,800.00                                              | 8,383.42              | 7,346.31              | 7,023.28              | 184.22     | 154.62        | -10.89                | 1,222.63                      | 6,981.75   | 1,314.32               | 1,205.74                | 108.58                    | 12.104            |         |                              |
| 15,900.00                                              | 8,385.02              | 7,346.59              | 7,023.34              | 186.61     | 154.62        | -10.90                | 1,222.91                      | 6,981.75   | 1,343.32               | 1,224.60                | 118.72                    | 11.315            |         |                              |
| 16,000.00                                              | 8,386.61              | 7,346.88              | 7,023.39              | 189.00     | 154.61        | -10.91                | 1,223.19                      | 6,981.75   | 1,378.98               | 1,250.90                | 128.08                    | 10.767            |         |                              |
| 16,100.00                                              | 8,388.20              | 7,347.17              | 7,023.44              | 191.39     | 154.61        | -10.92                | 1,223.47                      | 6,981.75   | 1,420.79               | 1,284.24                | 136.55                    | 10.405            |         |                              |
| 16,200.00                                              | 8,389.79              | 7,347.45              | 7,023.50              | 193.79     | 154.61        | -10.94                | 1,223.75                      | 6,981.75   | 1,468.23               | 1,324.13                | 144.10                    | 10.189            |         |                              |
| 16,300.00                                              | 8,391.38              | 7,347.73              | 7,023.55              | 196.18     | 154.61        | -10.95                | 1,224.03                      | 6,981.75   | 1,520.77               | 1,370.01                | 150.77                    | 10.087            |         |                              |
| 16,400.00                                              | 8,392.97              | 7,348.02              | 7,023.60              | 198.57     | 154.61        | -10.96                | 1,224.31                      | 6,981.75   | 1,577.91               | 1,421.31                | 156.61                    | 10.075 SF         |         |                              |
| 16,500.00                                              | 8,394.57              | 7,348.30              | 7,023.65              | 200.97     | 154.60        | -10.98                | 1,224.58                      | 6,981.75   | 1,639.17               | 1,477.47                | 161.70                    | 10.137            |         |                              |
| 16,600.00                                              | 8,396.16              | 7,348.58              | 7,023.71              | 203.36     | 154.60        | -10.99                | 1,224.86                      | 6,981.74   | 1,704.09               | 1,537.97                | 166.12                    | 10.258            |         |                              |
| 16,700.00                                              | 8,397.75              | 7,348.86              | 7,023.76              | 205.76     | 154.60        | -11.00                | 1,225.14                      | 6,981.74   | 1,772.28               | 1,602.33                | 169.95                    | 10.428            |         |                              |
| 16,800.00                                              | 8,399.34              | 7,349.14              | 7,023.81              | 208.16     | 154.60        | -11.01                | 1,225.41                      | 6,981.74   | 1,843.38               | 1,670.11                | 173.27                    | 10.639            |         |                              |
| 16,900.00                                              | 8,400.93              | 7,349.42              | 7,023.86              | 210.56     | 154.60        | -11.03                | 1,225.69                      | 6,981.74   | 1,917.06               | 1,740.92                | 176.14                    | 10.884            |         |                              |
| 17,000.00                                              | 8,402.52              | 7,349.70              | 7,023.91              | 212.96     | 154.59        | -11.04                | 1,225.96                      | 6,981.74   | 1,993.03               | 1,814.40                | 178.63                    | 11.158            |         |                              |
| 17,100.00                                              | 8,404.11              | 7,349.98              | 7,023.96              | 215.35     | 154.59        | -11.05                | 1,226.23                      | 6,981.74   | 2,071.04               | 1,890.26                | 180.78                    | 11.456            |         |                              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Reference Site: Oxbow 23-24  
Site Error: 0.00 usft  
Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
Well Error: 0.00 usft  
Reference Wellbore: OH  
Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Output errors are at: 2.00 sigma  
Database: EDM 5000.1 Single User Db  
Offset-TVD Reference: Offset Datum

| Offset Design: Oxbow 23-24 - Boyles 24 #001H - OH - OH |          |          |          |           |        |          |                        |          |          |            |         | Offset Site Error: |
|--------------------------------------------------------|----------|----------|----------|-----------|--------|----------|------------------------|----------|----------|------------|---------|--------------------|
| Survey Program: 200 UNKNOWN                            |          |          |          |           |        |          |                        |          |          |            |         | 0.00 usft          |
| Reference: Offset                                      |          |          |          |           |        |          |                        |          |          |            |         | Offset Well Error: |
| Semi Major Axis                                        |          |          |          |           |        |          |                        |          |          |            |         | 0.00 usft          |
| Measured                                               | Vertical | Measured | Vertical | Reference | Offset | Highside | Offset Wellbore Centre | Distance | Minimum  | Separation | Warning |                    |
| Depth                                                  | Depth    | Depth    | Depth    |           |        | Toolface | N-S                    | Between  | Between  | Factor     |         |                    |
| (usft)                                                 | (usft)   | (usft)   | (usft)   | (usft)    | (usft) | (°)      | (usft)                 | Centres  | Ellipses |            |         |                    |
|                                                        |          |          |          |           |        |          |                        | (usft)   | (usft)   | (usft)     |         |                    |
| 17,200.00                                              | 8,405.71 | 7,350.26 | 7,024.01 | 217.75    | 154.59 | -11.06   | 1,226.51               | 2,150.88 | 1,968.22 | 182.66     | 11.776  |                    |
| 17,300.00                                              | 8,407.30 | 7,350.53 | 7,024.07 | 220.15    | 154.59 | -11.08   | 1,226.78               | 2,232.34 | 2,048.05 | 184.29     | 12.113  |                    |
| 17,400.00                                              | 8,408.89 | 7,350.81 | 7,024.12 | 222.56    | 154.59 | -11.09   | 1,227.05               | 2,315.25 | 2,129.54 | 185.71     | 12.467  |                    |
| 17,500.00                                              | 8,410.48 | 7,351.08 | 7,024.17 | 224.96    | 154.58 | -11.10   | 1,227.32               | 2,399.47 | 2,212.52 | 186.95     | 12.835  |                    |
| 17,600.00                                              | 8,412.07 | 7,351.36 | 7,024.22 | 227.36    | 154.58 | -11.11   | 1,227.59               | 2,484.85 | 2,296.81 | 188.04     | 13.215  |                    |
| 17,700.00                                              | 8,413.66 | 7,351.63 | 7,024.27 | 229.76    | 154.58 | -11.13   | 1,227.86               | 2,571.30 | 2,382.30 | 189.00     | 13.605  |                    |
| 17,800.00                                              | 8,415.26 | 7,351.91 | 7,024.32 | 232.16    | 154.58 | -11.14   | 1,228.13               | 2,658.69 | 2,468.84 | 189.84     | 14.005  |                    |
| 17,900.00                                              | 8,416.85 | 7,352.18 | 7,024.37 | 234.57    | 154.58 | -11.15   | 1,228.40               | 2,746.94 | 2,556.35 | 190.59     | 14.413  |                    |
| 18,000.00                                              | 8,418.44 | 7,352.45 | 7,024.41 | 236.97    | 154.57 | -11.16   | 1,228.67               | 2,835.97 | 2,644.72 | 191.25     | 14.829  |                    |
| 18,100.00                                              | 8,420.03 | 7,352.72 | 7,024.46 | 239.37    | 154.57 | -11.18   | 1,228.93               | 2,925.71 | 2,733.87 | 191.84     | 15.251  |                    |
| 18,200.00                                              | 8,421.62 | 7,353.00 | 7,024.51 | 241.78    | 154.57 | -11.19   | 1,229.20               | 3,016.09 | 2,823.73 | 192.36     | 15.679  |                    |
| 18,300.00                                              | 8,423.21 | 7,353.27 | 7,024.56 | 244.18    | 154.57 | -11.20   | 1,229.47               | 3,107.07 | 2,914.24 | 192.83     | 16.113  |                    |
| 18,400.00                                              | 8,424.80 | 7,353.54 | 7,024.61 | 246.59    | 154.57 | -11.21   | 1,229.73               | 3,198.58 | 3,005.33 | 193.25     | 16.551  |                    |
| 18,500.00                                              | 8,426.40 | 7,353.81 | 7,024.66 | 249.00    | 154.57 | -11.22   | 1,230.00               | 3,290.59 | 3,096.96 | 193.63     | 16.994  |                    |
| 18,600.00                                              | 8,427.99 | 7,354.07 | 7,024.71 | 251.40    | 154.56 | -11.24   | 1,230.26               | 3,383.05 | 3,189.07 | 193.98     | 17.440  |                    |
| 18,663.65                                              | 8,429.00 | 7,354.24 | 7,024.74 | 252.93    | 154.56 | -11.24   | 1,230.43               | 3,442.12 | 3,247.94 | 194.18     | 17.727  |                    |

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 26-25 - Oxbow 26-25 B2DA Fed Com #1H - OH - OH |                             |                                       |                             |                               |                  |                             |                                         |                                         |                                          |                                           |                                 |                      |         | Offset Site Error: 0.00 usft |
|---------------------------------------------------------------------|-----------------------------|---------------------------------------|-----------------------------|-------------------------------|------------------|-----------------------------|-----------------------------------------|-----------------------------------------|------------------------------------------|-------------------------------------------|---------------------------------|----------------------|---------|------------------------------|
| Survey Program: 100-MWD                                             |                             |                                       |                             |                               |                  |                             |                                         |                                         |                                          |                                           |                                 |                      |         | Offset Well Error: 0.00 usft |
| Reference<br>Measured<br>Depth<br>(usft)                            | Vertical<br>Depth<br>(usft) | Offset<br>Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Reference<br>Offset<br>(usft) | Offset<br>(usft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>N-S<br>(usft) | Offset Wellbore Centre<br>E-W<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Distance<br>Between<br>Ellipses<br>(usft) | Minimum<br>Separation<br>(usft) | Separation<br>Factor | Warning |                              |
| 0.00                                                                | 0.00                        | 0.99                                  | 0.99                        | 0.00                          | 0.00             | -0.92                       | 50.00                                   | -0.80                                   | 50.01                                    |                                           |                                 |                      |         |                              |
| 100.00                                                              | 100.00                      | 100.20                                | 100.20                      | 0.13                          | 0.13             | -1.24                       | 50.79                                   | -1.10                                   | 50.81                                    | 50.54                                     | 0.26                            | 192.472              |         |                              |
| 200.00                                                              | 200.00                      | 200.27                                | 200.25                      | 0.49                          | 0.49             | -2.31                       | 52.26                                   | -2.11                                   | 52.31                                    | 51.33                                     | 0.98                            | 53.531               |         |                              |
| 300.00                                                              | 300.00                      | 300.49                                | 300.44                      | 0.85                          | 0.85             | -4.47                       | 53.38                                   | -4.17                                   | 53.54                                    | 51.85                                     | 1.69                            | 31.611               |         |                              |
| 400.00                                                              | 400.00                      | 400.93                                | 400.84                      | 1.20                          | 1.21             | -7.33                       | 53.77                                   | -6.91                                   | 54.21                                    | 51.80                                     | 2.41                            | 22.482               |         |                              |
| 500.00                                                              | 500.00                      | 500.77                                | 500.64                      | 1.56                          | 1.57             | -10.35                      | 53.65                                   | -9.80                                   | 54.54                                    | 51.41                                     | 3.13                            | 17.437               |         |                              |
| 600.00                                                              | 600.00                      | 600.35                                | 600.18                      | 1.92                          | 1.92             | -12.98                      | 54.21                                   | -12.50                                  | 55.64                                    | 51.79                                     | 3.84                            | 14.473               |         |                              |
| 700.00                                                              | 699.98                      | 700.30                                | 700.09                      | 2.28                          | 2.28             | 45.79                       | 55.11                                   | -15.24                                  | 55.96                                    | 51.40                                     | 4.56                            | 12.273               |         |                              |
| 800.00                                                              | 799.84                      | 800.43                                | 800.17                      | 2.63                          | 2.64             | 47.02                       | 55.99                                   | -18.18                                  | 53.89                                    | 48.62                                     | 5.27                            | 10.221               |         |                              |
| 900.00                                                              | 899.45                      | 900.86                                | 900.59                      | 2.99                          | 2.99             | 52.56                       | 56.11                                   | -20.04                                  | 48.69                                    | 42.71                                     | 5.98                            | 8.136                |         |                              |
| 1,000.00                                                            | 998.70                      | 1,000.46                              | 1,000.18                    | 3.36                          | 3.34             | 65.47                       | 55.22                                   | -20.40                                  | 41.45                                    | 34.75                                     | 6.70                            | 6.186                |         |                              |
| 1,100.00                                                            | 1,097.58                    | 1,099.30                              | 1,099.02                    | 3.75                          | 3.68             | 87.00                       | 54.04                                   | -20.52                                  | 36.60                                    | 29.17                                     | 7.42                            | 4.930                |         |                              |
| 1,130.58                                                            | 1,127.81                    | 1,129.53                              | 1,129.24                    | 3.87                          | 3.78             | 84.41                       | 53.66                                   | -20.59                                  | 36.29                                    | 28.65                                     | 7.64                            | 4.747 CC, ES         |         |                              |
| 1,200.00                                                            | 1,196.43                    | 1,198.14                              | 1,197.84                    | 4.15                          | 4.02             | 110.87                      | 52.77                                   | -20.76                                  | 37.83                                    | 29.69                                     | 8.14                            | 4.648 SF             |         |                              |
| 1,300.00                                                            | 1,295.32                    | 1,297.00                              | 1,296.69                    | 4.55                          | 4.36             | 122.44                      | 51.27                                   | -21.06                                  | 44.01                                    | 35.18                                     | 8.84                            | 4.981                |         |                              |
| 1,400.00                                                            | 1,394.30                    | 1,395.86                              | 1,395.53                    | 4.95                          | 4.71             | 124.61                      | 49.57                                   | -21.41                                  | 51.32                                    | 41.79                                     | 9.52                            | 5.388                |         |                              |
| 1,500.00                                                            | 1,493.27                    | 1,494.65                              | 1,494.32                    | 5.35                          | 5.05             | 124.66                      | 47.90                                   | -21.80                                  | 59.25                                    | 49.03                                     | 10.22                           | 5.800                |         |                              |
| 1,600.00                                                            | 1,592.14                    | 1,593.32                              | 1,592.97                    | 5.74                          | 5.40             | 130.64                      | 46.30                                   | -22.19                                  | 68.26                                    | 57.35                                     | 10.91                           | 6.255                |         |                              |
| 1,700.00                                                            | 1,690.99                    | 1,691.97                              | 1,691.61                    | 6.14                          | 5.75             | 140.01                      | 44.79                                   | -22.58                                  | 79.49                                    | 67.87                                     | 11.62                           | 6.841                |         |                              |
| 1,800.00                                                            | 1,789.85                    | 1,790.67                              | 1,790.29                    | 6.54                          | 6.10             | 146.88                      | 43.39                                   | -22.93                                  | 92.25                                    | 79.92                                     | 12.33                           | 7.481                |         |                              |
| 1,900.00                                                            | 1,888.70                    | 1,889.44                              | 1,889.05                    | 6.94                          | 6.45             | 151.93                      | 42.22                                   | -23.19                                  | 105.92                                   | 92.88                                     | 13.05                           | 8.119                |         |                              |
| 2,000.00                                                            | 1,987.55                    | 1,987.85                              | 1,987.46                    | 7.35                          | 6.80             | 155.65                      | 41.21                                   | -23.20                                  | 120.25                                   | 106.49                                    | 13.76                           | 8.742                |         |                              |
| 2,100.00                                                            | 2,086.40                    | 2,086.13                              | 2,085.74                    | 7.76                          | 7.14             | 158.39                      | 40.26                                   | -22.71                                  | 135.25                                   | 120.79                                    | 14.46                           | 9.352                |         |                              |
| 2,200.00                                                            | 2,185.25                    | 2,183.38                              | 2,182.97                    | 8.17                          | 7.48             | 160.37                      | 39.16                                   | -21.47                                  | 151.08                                   | 135.92                                    | 15.16                           | 9.968                |         |                              |
| 2,300.00                                                            | 2,284.10                    | 2,280.25                              | 2,279.80                    | 8.58                          | 7.81             | 161.74                      | 37.66                                   | -19.15                                  | 168.03                                   | 152.19                                    | 15.85                           | 10.604               |         |                              |
| 2,400.00                                                            | 2,382.95                    | 2,380.94                              | 2,380.44                    | 8.99                          | 8.15             | 162.80                      | 36.35                                   | -16.51                                  | 184.99                                   | 168.42                                    | 16.57                           | 11.165               |         |                              |
| 2,500.00                                                            | 2,481.80                    | 2,482.22                              | 2,481.71                    | 9.41                          | 8.50             | 163.72                      | 36.09                                   | -14.70                                  | 200.69                                   | 183.39                                    | 17.29                           | 11.605               |         |                              |
| 2,600.00                                                            | 2,580.65                    | 2,582.55                              | 2,582.03                    | 9.82                          | 8.84             | 164.46                      | 36.73                                   | -13.31                                  | 215.46                                   | 197.45                                    | 18.01                           | 11.966               |         |                              |
| 2,700.00                                                            | 2,679.50                    | 2,681.38                              | 2,680.85                    | 10.24                         | 9.18             | 165.04                      | 37.81                                   | -12.00                                  | 229.85                                   | 211.14                                    | 18.71                           | 12.285               |         |                              |
| 2,800.00                                                            | 2,778.35                    | 2,780.17                              | 2,779.61                    | 10.66                         | 9.52             | 165.55                      | 38.80                                   | -10.60                                  | 244.39                                   | 224.97                                    | 19.41                           | 12.588               |         |                              |
| 2,900.00                                                            | 2,877.20                    | 2,879.52                              | 2,878.96                    | 11.08                         | 9.86             | 166.02                      | 39.83                                   | -9.31                                   | 258.85                                   | 238.73                                    | 20.12                           | 12.863               |         |                              |
| 3,000.00                                                            | 2,976.05                    | 2,979.89                              | 2,979.31                    | 11.50                         | 10.20            | 166.53                      | 40.87                                   | -8.46                                   | 273.10                                   | 252.26                                    | 20.84                           | 13.103               |         |                              |
| 3,100.00                                                            | 3,074.90                    | 3,081.81                              | 3,081.20                    | 11.92                         | 10.55            | 167.64                      | 41.09                                   | -10.83                                  | 286.50                                   | 264.93                                    | 21.57                           | 13.280               |         |                              |
| 3,200.00                                                            | 3,173.75                    | 3,177.48                              | 3,176.70                    | 12.34                         | 10.89            | 169.25                      | 39.99                                   | -16.23                                  | 299.62                                   | 277.35                                    | 22.27                           | 13.455               |         |                              |
| 3,300.00                                                            | 3,272.61                    | 3,267.42                              | 3,266.37                    | 12.76                         | 11.21            | 171.02                      | 36.13                                   | -22.16                                  | 315.32                                   | 292.40                                    | 22.92                           | 13.757               |         |                              |
| 3,400.00                                                            | 3,371.46                    | 3,361.11                              | 3,359.58                    | 13.18                         | 11.54            | 172.95                      | 29.43                                   | -28.73                                  | 333.69                                   | 310.09                                    | 23.60                           | 14.140               |         |                              |
| 3,500.00                                                            | 3,470.31                    | 3,459.64                              | 3,457.64                    | 13.60                         | 11.90            | 174.72                      | 22.43                                   | -35.29                                  | 352.54                                   | 328.22                                    | 24.32                           | 14.494               |         |                              |
| 3,600.00                                                            | 3,569.16                    | 3,555.51                              | 3,553.07                    | 14.02                         | 12.25            | 176.26                      | 15.66                                   | -41.67                                  | 371.64                                   | 346.61                                    | 25.03                           | 14.849               |         |                              |
| 3,700.00                                                            | 3,668.01                    | 3,648.74                              | 3,645.58                    | 14.44                         | 12.59            | 177.97                      | 7.47                                    | -49.74                                  | 391.93                                   | 366.22                                    | 25.71                           | 15.245               |         |                              |
| 3,800.00                                                            | 3,766.86                    | 3,742.77                              | 3,738.56                    | 14.87                         | 12.94            | 179.84                      | -2.37                                   | -59.68                                  | 413.54                                   | 387.14                                    | 26.40                           | 15.664               |         |                              |
| 3,900.00                                                            | 3,865.71                    | 3,837.44                              | 3,832.03                    | 15.29                         | 13.30            | -178.35                     | -12.95                                  | -70.37                                  | 436.04                                   | 408.94                                    | 27.10                           | 16.088               |         |                              |
| 4,000.00                                                            | 3,964.56                    | 3,933.68                              | 3,926.95                    | 15.71                         | 13.67            | -176.61                     | -24.13                                  | -81.68                                  | 459.26                                   | 431.43                                    | 27.83                           | 16.503               |         |                              |
| 4,100.00                                                            | 4,063.41                    | 4,031.11                              | 4,023.06                    | 16.13                         | 14.04            | -175.03                     | -35.27                                  | -93.09                                  | 482.68                                   | 454.11                                    | 28.57                           | 16.894               |         |                              |
| 4,200.00                                                            | 4,162.26                    | 4,127.90                              | 4,118.57                    | 16.56                         | 14.42            | -173.63                     | -46.16                                  | -104.32                                 | 506.25                                   | 476.94                                    | 29.31                           | 17.273               |         |                              |
| 4,300.00                                                            | 4,261.11                    | 4,224.43                              | 4,213.85                    | 16.98                         | 14.80            | -172.36                     | -56.98                                  | -115.42                                 | 530.06                                   | 500.02                                    | 30.05                           | 17.642               |         |                              |
| 4,400.00                                                            | 4,359.96                    | 4,320.39                              | 4,308.57                    | 17.40                         | 15.18            | -171.21                     | -67.76                                  | -126.40                                 | 554.13                                   | 523.35                                    | 30.78                           | 18.004               |         |                              |
| 4,500.00                                                            | 4,458.81                    | 4,416.12                              | 4,403.04                    | 17.83                         | 15.56            | -170.15                     | -78.63                                  | -137.42                                 | 578.52                                   | 547.01                                    | 31.51                           | 18.359               |         |                              |
| 4,600.00                                                            | 4,557.66                    | 4,513.98                              | 4,499.67                    | 18.25                         | 15.95            | -169.19                     | -89.68                                  | -148.30                                 | 603.05                                   | 570.78                                    | 32.27                           | 18.690               |         |                              |
| 4,700.00                                                            | 4,656.51                    | 4,612.57                              | 4,597.18                    | 18.68                         | 16.34            | -168.42                     | -100.39                                 | -158.10                                 | 627.41                                   | 594.39                                    | 33.03                           | 18.997               |         |                              |
| 4,800.00                                                            | 4,755.37                    | 4,711.92                              | 4,695.57                    | 19.10                         | 16.73            | -167.78                     | -110.73                                 | -167.12                                 | 651.53                                   | 617.73                                    | 33.79                           | 19.280               |         |                              |
| 4,900.00                                                            | 4,854.22                    | 4,811.55                              | 4,794.34                    | 19.52                         | 17.13            | -167.23                     | -120.67                                 | -175.68                                 | 675.31                                   | 640.75                                    | 34.56                           | 19.541               |         |                              |
| 5,000.00                                                            | 4,953.07                    | 4,909.71                              | 4,891.67                    | 19.95                         | 17.52            | -166.73                     | -130.19                                 | -184.09                                 | 698.88                                   | 663.57                                    | 35.31                           | 19.792               |         |                              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 26-25 - Oxbow 26-25 B2DA Fed Com #1H - OH - OH |                       |                       |                       |                        |                 |                  |                    |                   |                        |                         |                           |                   |  | Offset Well Error: 0.00 usft |
|---------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------|------------------|--------------------|-------------------|------------------------|-------------------------|---------------------------|-------------------|--|------------------------------|
| Survey Program: 100-MWD                                             |                       |                       |                       |                        |                 |                  |                    |                   |                        |                         |                           |                   |  | Offset Site Error: 0.00 usft |
| Reference                                                           | Offset                | Semi Major Axis       | Highside              | Offset Wellbore Centre | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | Warning                |                         |                           |                   |  |                              |
| Measured Depth (usft)                                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference              | Offset          | Toolface (°)     | N-S (usft)         | E-W (usft)        | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |  |                              |
| 5,100.00                                                            | 5,051.92              | 5,007.60              | 4,988.73              | 20.37                  | 17.90           | -166.24          | -139.52            | -192.71           | 722.32                 | 686.26                  | 36.06                     | 20.032            |  |                              |
| 5,200.00                                                            | 5,150.77              | 5,103.82              | 5,084.25              | 20.80                  | 18.28           | -165.91          | -148.63            | -199.82           | 745.82                 | 709.03                  | 36.79                     | 20.274            |  |                              |
| 5,300.00                                                            | 5,249.62              | 5,201.15              | 5,181.01              | 21.22                  | 18.66           | -165.75          | -157.81            | -204.92           | 769.43                 | 731.91                  | 37.52                     | 20.507            |  |                              |
| 5,400.00                                                            | 5,348.47              | 5,301.23              | 5,280.59              | 21.65                  | 19.04           | -165.66          | -166.96            | -209.23           | 792.81                 | 754.54                  | 38.27                     | 20.714            |  |                              |
| 5,500.00                                                            | 5,447.32              | 5,401.32              | 5,380.21              | 22.07                  | 19.42           | -165.62          | -175.73            | -213.09           | 815.84                 | 776.82                  | 39.03                     | 20.906            |  |                              |
| 5,600.00                                                            | 5,546.17              | 5,501.32              | 5,479.78              | 22.50                  | 19.81           | -165.58          | -184.15            | -216.91           | 838.55                 | 798.78                  | 39.77                     | 21.083            |  |                              |
| 5,700.00                                                            | 5,645.02              | 5,602.30              | 5,580.36              | 22.92                  | 20.19           | -165.54          | -192.32            | -220.79           | 860.93                 | 820.40                  | 40.53                     | 21.242            |  |                              |
| 5,800.00                                                            | 5,743.87              | 5,704.13              | 5,681.83              | 23.35                  | 20.58           | -165.51          | -200.07            | -224.57           | 882.85                 | 841.56                  | 41.29                     | 21.380            |  |                              |
| 5,900.00                                                            | 5,842.72              | 5,797.33              | 5,774.69              | 23.77                  | 20.93           | -165.47          | -207.05            | -228.32           | 904.64                 | 862.65                  | 41.99                     | 21.545            |  |                              |
| 6,000.00                                                            | 5,941.57              | 5,887.05              | 5,863.95              | 24.20                  | 21.28           | -165.34          | -214.56            | -233.36           | 927.21                 | 884.55                  | 42.66                     | 21.737            |  |                              |
| 6,100.00                                                            | 6,040.42              | 5,984.12              | 5,960.41              | 24.62                  | 21.66           | -165.14          | -223.29            | -239.90           | 950.34                 | 906.95                  | 43.39                     | 21.902            |  |                              |
| 6,200.00                                                            | 6,139.28              | 6,085.23              | 6,060.94              | 25.05                  | 22.05           | -164.97          | -232.03            | -246.20           | 973.16                 | 929.00                  | 44.16                     | 22.037            |  |                              |
| 6,300.00                                                            | 6,238.13              | 6,187.01              | 6,162.22              | 25.47                  | 22.45           | -164.85          | -240.38            | -251.86           | 995.58                 | 950.66                  | 44.93                     | 22.159            |  |                              |
| 6,400.00                                                            | 6,336.98              | 6,289.12              | 6,263.90              | 25.90                  | 22.84           | -164.77          | -248.27            | -256.82           | 1,017.57               | 971.87                  | 45.70                     | 22.266            |  |                              |
| 6,500.00                                                            | 6,435.83              | 6,376.12              | 6,350.54              | 26.33                  | 23.18           | -164.74          | -255.21            | -260.61           | 1,039.82               | 993.48                  | 46.35                     | 22.437            |  |                              |
| 6,600.00                                                            | 6,534.68              | 6,462.41              | 6,436.40              | 26.75                  | 23.51           | -164.71          | -262.98            | -264.16           | 1,063.09               | 1,016.11                | 46.98                     | 22.628            |  |                              |
| 6,700.00                                                            | 6,633.53              | 6,569.30              | 6,542.78              | 27.18                  | 23.92           | -164.72          | -272.80            | -267.79           | 1,086.58               | 1,038.80                | 47.79                     | 22.739            |  |                              |
| 6,800.00                                                            | 6,732.38              | 6,680.69              | 6,653.80              | 27.60                  | 24.34           | -164.83          | -281.60            | -269.94           | 1,108.87               | 1,060.25                | 48.62                     | 22.807            |  |                              |
| 6,900.00                                                            | 6,831.23              | 6,782.06              | 6,754.89              | 28.03                  | 24.72           | -164.92          | -288.87            | -271.77           | 1,130.45               | 1,081.08                | 49.37                     | 22.898            |  |                              |
| 7,000.00                                                            | 6,930.08              | 6,888.81              | 6,861.36              | 28.45                  | 25.12           | -164.98          | -295.99            | -274.44           | 1,151.52               | 1,101.36                | 50.16                     | 22.957            |  |                              |
| 7,100.00                                                            | 7,028.93              | 7,002.98              | 6,975.21              | 28.88                  | 25.55           | -164.90          | -302.39            | -280.30           | 1,171.42               | 1,120.41                | 51.01                     | 22.965            |  |                              |
| 7,200.00                                                            | 7,127.78              | 7,085.18              | 7,057.06              | 29.31                  | 25.86           | -164.74          | -306.70            | -286.52           | 1,190.93               | 1,139.29                | 51.64                     | 23.063            |  |                              |
| 7,300.00                                                            | 7,226.63              | 7,154.76              | 7,126.20              | 29.73                  | 26.14           | -164.59          | -311.94            | -292.24           | 1,212.61               | 1,160.44                | 52.17                     | 23.245            |  |                              |
| 7,400.00                                                            | 7,325.48              | 7,225.74              | 7,196.56              | 30.16                  | 26.42           | -164.42          | -318.96            | -298.40           | 1,236.55               | 1,183.86                | 52.69                     | 23.470            |  |                              |
| 7,500.00                                                            | 7,424.45              | 7,336.93              | 7,306.75              | 30.58                  | 26.87           | -164.24          | -330.36            | -307.93           | 1,260.18               | 1,206.63                | 53.55                     | 23.532            |  |                              |
| 7,600.00                                                            | 7,523.82              | 7,438.80              | 7,407.84              | 30.97                  | 27.28           | -164.09          | -339.82            | -316.17           | 1,279.78               | 1,225.46                | 54.33                     | 23.558            |  |                              |
| 7,700.00                                                            | 7,623.53              | 7,524.06              | 7,492.39              | 31.34                  | 27.62           | -163.94          | -348.24            | -323.28           | 1,296.70               | 1,241.75                | 54.95                     | 23.598            |  |                              |
| 7,800.00                                                            | 7,723.44              | 7,632.53              | 7,599.83              | 31.68                  | 28.06           | -163.64          | -359.79            | -332.62           | 1,311.17               | 1,255.41                | 55.76                     | 23.514            |  |                              |
| 7,900.00                                                            | 7,823.41              | 7,735.87              | 7,742.51              | 31.99                  | 28.62           | 89.27            | -370.51            | -340.96           | 1,319.12               | 1,262.32                | 56.81                     | 23.222            |  |                              |
| 8,000.00                                                            | 7,921.76              | 7,866.54              | 7,832.53              | 32.24                  | 28.92           | 88.86            | -376.28            | -333.43           | 1,325.42               | 1,268.07                | 57.35                     | 23.110            |  |                              |
| 8,100.00                                                            | 8,014.43              | 7,968.80              | 7,930.25              | 32.43                  | 29.18           | 88.53            | -382.35            | -304.59           | 1,331.29               | 1,273.42                | 57.87                     | 23.004            |  |                              |
| 8,200.00                                                            | 8,097.36              | 8,037.00              | 7,991.12              | 32.55                  | 29.33           | 88.10            | -387.15            | -274.32           | 1,338.18               | 1,280.02                | 58.16                     | 23.008            |  |                              |
| 8,300.00                                                            | 8,166.92              | 8,083.00              | 8,029.74              | 32.60                  | 29.41           | 87.44            | -392.18            | -249.88           | 1,348.08               | 1,289.72                | 58.36                     | 23.101            |  |                              |
| 8,400.00                                                            | 8,220.08              | 8,322.58              | 8,187.33              | 32.61                  | 29.64           | 88.48            | -407.98            | -73.35            | 1,355.81               | 1,296.29                | 59.53                     | 22.776            |  |                              |
| 8,500.00                                                            | 8,254.52              | 8,397.59              | 8,218.70              | 32.58                  | 29.68           | 88.62            | -408.30            | -5.29             | 1,356.56               | 1,296.38                | 60.18                     | 22.543            |  |                              |
| 8,600.00                                                            | 8,268.72              | 8,468.97              | 8,240.08              | 32.56                  | 29.85           | 88.82            | -409.96            | 62.76             | 1,359.01               | 1,298.01                | 61.01                     | 22.276            |  |                              |
| 8,700.00                                                            | 8,270.43              | 8,530.00              | 8,252.27              | 32.69                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,363.36               | 1,301.39                | 61.96                     | 22.002            |  |                              |
| 8,800.00                                                            | 8,272.02              | 8,530.00              | 8,252.27              | 33.21                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,373.15               | 1,310.52                | 62.63                     | 21.926            |  |                              |
| 8,900.00                                                            | 8,273.61              | 8,530.00              | 8,252.27              | 34.10                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,390.08               | 1,326.74                | 63.34                     | 21.948            |  |                              |
| 9,000.00                                                            | 8,275.20              | 8,530.00              | 8,252.27              | 35.18                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,413.90               | 1,349.83                | 64.07                     | 22.070            |  |                              |
| 9,100.00                                                            | 8,276.79              | 8,530.00              | 8,252.27              | 36.40                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,444.26               | 1,379.47                | 64.79                     | 22.291            |  |                              |
| 9,200.00                                                            | 8,278.39              | 8,530.00              | 8,252.27              | 37.74                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,480.77               | 1,415.28                | 65.49                     | 22.610            |  |                              |
| 9,300.00                                                            | 8,279.98              | 8,530.00              | 8,252.27              | 39.19                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,522.98               | 1,456.83                | 66.15                     | 23.023            |  |                              |
| 9,400.00                                                            | 8,281.57              | 8,530.00              | 8,252.27              | 40.73                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,570.44               | 1,503.67                | 66.76                     | 23.523            |  |                              |
| 9,500.00                                                            | 8,283.16              | 8,530.00              | 8,252.27              | 42.35                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,622.67               | 1,555.35                | 67.32                     | 24.104            |  |                              |
| 9,600.00                                                            | 8,284.75              | 8,530.00              | 8,252.27              | 44.04                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,679.24               | 1,611.42                | 67.82                     | 24.760            |  |                              |
| 9,700.00                                                            | 8,286.34              | 8,530.00              | 8,252.27              | 45.80                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,739.72               | 1,671.45                | 68.27                     | 25.483            |  |                              |
| 9,800.00                                                            | 8,287.93              | 8,530.00              | 8,252.27              | 47.62                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,803.72               | 1,735.06                | 68.67                     | 26.268            |  |                              |
| 9,900.00                                                            | 8,289.53              | 8,530.00              | 8,252.27              | 49.49                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,870.89               | 1,801.87                | 69.02                     | 27.107            |  |                              |
| 10,000.00                                                           | 8,291.12              | 8,530.00              | 8,252.27              | 51.40                  | 30.18           | 89.25            | -412.32            | 122.48            | 1,940.88               | 1,871.55                | 69.33                     | 27.996            |  |                              |
| 10,100.00                                                           | 8,292.71              | 8,530.00              | 8,252.27              | 53.36                  | 30.18           | 89.25            | -412.32            | 122.48            | 2,013.40               | 1,943.81                | 69.60                     | 28.930            |  |                              |
| 10,200.00                                                           | 8,294.30              | 8,530.00              | 8,252.27              | 55.35                  | 30.18           | 89.25            | -412.32            | 122.48            | 2,088.20               | 2,018.37                | 69.83                     | 29.903            |  |                              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 26-25 - Oxbow 26-25 B2DA Fed Com #1H - OH - OH |                       |                       |                       |                  |               |                   |                            |                            |                        | Offset Site Error: 0.00 usft |                   |         |
|---------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-------------------|----------------------------|----------------------------|------------------------|------------------------------|-------------------|---------|
| Survey Program: 100-MWD                                             |                       |                       |                       |                  |               |                   |                            |                            |                        | Offset Well Error: 0.00 usft |                   |         |
| Reference                                                           |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface | Offset Wellbore Centre N-S | Offset Wellbore Centre E-W | Distance               |                              | Separation Factor | Warning |
| Measured Depth (usft)                                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                   |                            |                            | Between Centres (usft) | Between Ellipses (usft)      |                   |         |
| 10,300.00                                                           | 8,295.89              | 8,530.00              | 8,252.27              | 57.37            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,165.03               | 2,094.99                     | 70.04             | 30.911  |
| 10,400.00                                                           | 8,297.48              | 8,530.00              | 8,252.27              | 59.43            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,243.69               | 2,173.47                     | 70.22             | 31.951  |
| 10,500.00                                                           | 8,299.08              | 8,530.00              | 8,252.27              | 61.51            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,323.99               | 2,253.61                     | 70.38             | 33.020  |
| 10,600.00                                                           | 8,300.67              | 8,530.00              | 8,252.27              | 63.61            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,405.77               | 2,335.25                     | 70.52             | 34.114  |
| 10,700.00                                                           | 8,302.26              | 8,530.00              | 8,252.27              | 65.74            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,488.88               | 2,418.23                     | 70.65             | 35.231  |
| 10,800.00                                                           | 8,303.85              | 8,530.00              | 8,252.27              | 67.89            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,573.19               | 2,502.44                     | 70.75             | 36.368  |
| 10,900.00                                                           | 8,305.44              | 8,530.00              | 8,252.27              | 70.05            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,658.59               | 2,587.74                     | 70.85             | 37.523  |
| 11,000.00                                                           | 8,307.03              | 8,530.00              | 8,252.27              | 72.23            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,744.98               | 2,674.04                     | 70.94             | 38.695  |
| 11,100.00                                                           | 8,308.62              | 8,530.00              | 8,252.27              | 74.43            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,832.26               | 2,761.24                     | 71.02             | 39.882  |
| 11,200.00                                                           | 8,310.22              | 8,530.00              | 8,252.27              | 76.64            | 30.18         | 89.25             | -412.32                    | 122.48                     | 2,920.35               | 2,849.27                     | 71.09             | 41.082  |
| 11,300.00                                                           | 8,311.81              | 8,530.00              | 8,252.27              | 78.86            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,009.20               | 2,938.05                     | 71.15             | 42.295  |
| 11,400.00                                                           | 8,313.40              | 8,530.00              | 8,252.27              | 81.09            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,098.72               | 3,027.51                     | 71.21             | 43.518  |
| 11,500.00                                                           | 8,314.99              | 8,530.00              | 8,252.27              | 83.34            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,188.86               | 3,117.60                     | 71.26             | 44.751  |
| 11,600.00                                                           | 8,316.58              | 8,530.00              | 8,252.27              | 85.59            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,279.58               | 3,208.27                     | 71.31             | 45.993  |
| 11,700.00                                                           | 8,318.17              | 8,530.00              | 8,252.27              | 87.86            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,370.82               | 3,299.47                     | 71.35             | 47.243  |
| 11,800.00                                                           | 8,319.76              | 8,530.00              | 8,252.27              | 90.13            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,462.54               | 3,391.15                     | 71.39             | 48.500  |
| 11,900.00                                                           | 8,321.36              | 8,530.00              | 8,252.27              | 92.41            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,554.71               | 3,483.28                     | 71.43             | 49.764  |
| 12,000.00                                                           | 8,322.95              | 8,530.00              | 8,252.27              | 94.69            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,647.30               | 3,575.83                     | 71.47             | 51.034  |
| 12,100.00                                                           | 8,324.54              | 8,530.00              | 8,252.27              | 96.99            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,740.26               | 3,668.76                     | 71.50             | 52.309  |
| 12,200.00                                                           | 8,326.13              | 8,530.00              | 8,252.27              | 99.29            | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,833.58               | 3,762.05                     | 71.54             | 53.588  |
| 12,300.00                                                           | 8,327.72              | 8,530.00              | 8,252.27              | 101.59           | 30.18         | 89.25             | -412.32                    | 122.48                     | 3,927.23               | 3,855.66                     | 71.57             | 54.872  |
| 12,400.00                                                           | 8,329.31              | 8,530.00              | 8,252.27              | 103.90           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,021.19               | 3,949.58                     | 71.60             | 56.160  |
| 12,500.00                                                           | 8,330.91              | 8,530.00              | 8,252.27              | 106.22           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,115.43               | 4,043.79                     | 71.63             | 57.451  |
| 12,600.00                                                           | 8,332.50              | 8,530.00              | 8,252.27              | 108.54           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,209.93               | 4,138.27                     | 71.66             | 58.745  |
| 12,700.00                                                           | 8,334.09              | 8,530.00              | 8,252.27              | 110.86           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,304.68               | 4,232.99                     | 71.69             | 60.042  |
| 12,800.00                                                           | 8,335.68              | 8,530.00              | 8,252.27              | 113.19           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,399.67               | 4,327.95                     | 71.72             | 61.341  |
| 12,900.00                                                           | 8,337.27              | 8,530.00              | 8,252.27              | 115.53           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,494.87               | 4,423.12                     | 71.75             | 62.643  |
| 13,000.00                                                           | 8,338.86              | 8,530.00              | 8,252.27              | 117.86           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,590.28               | 4,518.50                     | 71.78             | 63.946  |
| 13,100.00                                                           | 8,340.45              | 8,530.00              | 8,252.27              | 120.20           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,685.88               | 4,614.07                     | 71.81             | 65.251  |
| 13,200.00                                                           | 8,342.05              | 8,530.00              | 8,252.27              | 122.55           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,781.66               | 4,709.81                     | 71.84             | 66.556  |
| 13,300.00                                                           | 8,343.64              | 8,530.00              | 8,252.27              | 124.89           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,877.61               | 4,805.73                     | 71.87             | 67.863  |
| 13,400.00                                                           | 8,345.23              | 8,530.00              | 8,252.27              | 127.24           | 30.18         | 89.25             | -412.32                    | 122.48                     | 4,973.71               | 4,901.81                     | 71.90             | 69.171  |
| 13,500.00                                                           | 8,346.82              | 8,530.00              | 8,252.27              | 129.59           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,069.97               | 4,998.04                     | 71.94             | 70.480  |
| 13,600.00                                                           | 8,348.41              | 8,530.00              | 8,252.27              | 131.95           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,166.37               | 5,094.41                     | 71.97             | 71.789  |
| 13,700.00                                                           | 8,350.00              | 8,530.00              | 8,252.27              | 134.31           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,262.91               | 5,190.91                     | 72.00             | 73.098  |
| 13,800.00                                                           | 8,351.59              | 8,530.00              | 8,252.27              | 136.67           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,359.57               | 5,287.54                     | 72.03             | 74.407  |
| 13,900.00                                                           | 8,353.19              | 8,530.00              | 8,252.27              | 139.03           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,456.35               | 5,384.29                     | 72.06             | 75.716  |
| 14,000.00                                                           | 8,354.78              | 8,530.00              | 8,252.27              | 141.39           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,553.25               | 5,481.15                     | 72.10             | 77.025  |
| 14,100.00                                                           | 8,356.37              | 8,530.00              | 8,252.27              | 143.76           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,650.25               | 5,578.12                     | 72.13             | 78.334  |
| 14,200.00                                                           | 8,357.96              | 8,530.00              | 8,252.27              | 146.13           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,747.36               | 5,675.20                     | 72.16             | 79.643  |
| 14,300.00                                                           | 8,359.55              | 8,530.00              | 8,252.27              | 148.50           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,844.56               | 5,772.36                     | 72.20             | 80.950  |
| 14,400.00                                                           | 8,361.14              | 8,530.00              | 8,252.27              | 150.87           | 30.18         | 89.25             | -412.32                    | 122.48                     | 5,941.86               | 5,869.63                     | 72.23             | 82.257  |
| 14,500.00                                                           | 8,362.74              | 8,530.00              | 8,252.27              | 153.24           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,039.25               | 5,966.98                     | 72.27             | 83.564  |
| 14,600.00                                                           | 8,364.33              | 8,530.00              | 8,252.27              | 155.62           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,136.72               | 6,064.41                     | 72.31             | 84.869  |
| 14,700.00                                                           | 8,365.92              | 8,530.00              | 8,252.27              | 157.99           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,234.27               | 6,161.92                     | 72.35             | 86.173  |
| 14,800.00                                                           | 8,367.51              | 8,530.00              | 8,252.27              | 160.37           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,331.89               | 6,259.51                     | 72.38             | 87.477  |
| 14,900.00                                                           | 8,369.10              | 8,530.00              | 8,252.27              | 162.75           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,429.59               | 6,357.17                     | 72.42             | 88.779  |
| 15,000.00                                                           | 8,370.69              | 8,530.00              | 8,252.27              | 165.13           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,527.36               | 6,454.90                     | 72.46             | 90.080  |
| 15,100.00                                                           | 8,372.28              | 8,530.00              | 8,252.27              | 167.51           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,625.20               | 6,552.70                     | 72.50             | 91.379  |
| 15,200.00                                                           | 8,373.88              | 8,530.00              | 8,252.27              | 169.90           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,723.10               | 6,650.55                     | 72.54             | 92.677  |
| 15,300.00                                                           | 8,375.47              | 8,530.00              | 8,252.27              | 172.28           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,821.06               | 6,748.47                     | 72.59             | 93.973  |
| 15,400.00                                                           | 8,377.06              | 8,530.00              | 8,252.27              | 174.67           | 30.18         | 89.25             | -412.32                    | 122.48                     | 6,919.08               | 6,846.45                     | 72.63             | 95.268  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 26-25 - Oxbow 26-25 B2DA Fed Com #1H - OH - OH |                       |                       |                       |                  |               |                        |            |            |                        |                         |                   |         |  | Offset Site Error: 0.00 usft |
|---------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|------------|------------|------------------------|-------------------------|-------------------|---------|--|------------------------------|
| Survey Program: 100-MWD                                             |                       |                       |                       |                  |               |                        |            |            |                        |                         |                   |         |  | Offset Well Error: 0.00 usft |
| Reference                                                           | Offset                | Semi-Major Axis       |                       | Highside         |               | Offset Wellbore Centre |            | Distance   |                        | Minimum Separation      |                   | Warning |  |                              |
| Measured Depth (usft)                                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Toolface (°)           | N/S (usft) | E/W (usft) | Between Centres (usft) | Between Ellipses (usft) | Separation (usft) | Factor  |  |                              |
| 15,500.00                                                           | 8,378.65              | 8,530.00              | 8,252.27              | 177.05           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,017.15               | 6,944.48                | 72.67             | 96.561  |  |                              |
| 15,600.00                                                           | 8,380.24              | 8,530.00              | 8,252.27              | 179.44           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,115.28               | 7,042.56                | 72.71             | 97.852  |  |                              |
| 15,700.00                                                           | 8,381.83              | 8,530.00              | 8,252.27              | 181.83           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,213.46               | 7,140.70                | 72.76             | 99.142  |  |                              |
| 15,800.00                                                           | 8,383.42              | 8,530.00              | 8,252.27              | 184.22           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,311.69               | 7,238.88                | 72.80             | 100.430 |  |                              |
| 15,900.00                                                           | 8,385.02              | 8,530.00              | 8,252.27              | 186.61           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,409.96               | 7,337.11                | 72.85             | 101.715 |  |                              |
| 16,000.00                                                           | 8,386.61              | 8,530.00              | 8,252.27              | 189.00           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,508.29               | 7,435.39                | 72.90             | 102.999 |  |                              |
| 16,100.00                                                           | 8,388.20              | 8,530.00              | 8,252.27              | 191.39           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,606.65               | 7,533.71                | 72.94             | 104.281 |  |                              |
| 16,200.00                                                           | 8,389.79              | 8,530.00              | 8,252.27              | 193.79           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,705.06               | 7,632.07                | 72.99             | 105.560 |  |                              |
| 16,300.00                                                           | 8,391.38              | 8,530.00              | 8,252.27              | 196.18           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,803.51               | 7,730.47                | 73.04             | 106.837 |  |                              |
| 16,400.00                                                           | 8,392.97              | 8,530.00              | 8,252.27              | 198.57           | 30.18         | 89.25                  | -412.32    | 122.48     | 7,901.99               | 7,828.90                | 73.09             | 108.112 |  |                              |
| 16,500.00                                                           | 8,394.57              | 8,530.00              | 8,252.27              | 200.97           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,000.52               | 7,927.38                | 73.14             | 109.385 |  |                              |
| 16,600.00                                                           | 8,396.16              | 8,530.00              | 8,252.27              | 203.36           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,099.08               | 8,025.89                | 73.19             | 110.656 |  |                              |
| 16,700.00                                                           | 8,397.75              | 8,530.00              | 8,252.27              | 205.76           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,197.67               | 8,124.43                | 73.24             | 111.924 |  |                              |
| 16,800.00                                                           | 8,399.34              | 8,530.00              | 8,252.27              | 208.16           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,296.30               | 8,223.01                | 73.30             | 113.190 |  |                              |
| 16,900.00                                                           | 8,400.93              | 8,530.00              | 8,252.27              | 210.56           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,394.97               | 8,321.62                | 73.35             | 114.453 |  |                              |
| 17,000.00                                                           | 8,402.52              | 8,530.00              | 8,252.27              | 212.96           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,493.66               | 8,420.26                | 73.40             | 115.714 |  |                              |
| 17,100.00                                                           | 8,404.11              | 8,530.00              | 8,252.27              | 215.35           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,592.38               | 8,518.92                | 73.46             | 116.972 |  |                              |
| 17,200.00                                                           | 8,405.71              | 8,530.00              | 8,252.27              | 217.75           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,691.13               | 8,617.62                | 73.51             | 118.227 |  |                              |
| 17,300.00                                                           | 8,407.30              | 8,530.00              | 8,252.27              | 220.15           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,789.91               | 8,716.35                | 73.57             | 119.480 |  |                              |
| 17,400.00                                                           | 8,408.89              | 8,530.00              | 8,252.27              | 222.56           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,888.72               | 8,815.10                | 73.62             | 120.731 |  |                              |
| 17,500.00                                                           | 8,410.48              | 8,530.00              | 8,252.27              | 224.96           | 30.18         | 89.25                  | -412.32    | 122.48     | 8,987.56               | 8,913.88                | 73.68             | 121.978 |  |                              |
| 17,600.00                                                           | 8,412.07              | 8,530.00              | 8,252.27              | 227.36           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,086.42               | 9,012.68                | 73.74             | 123.223 |  |                              |
| 17,700.00                                                           | 8,413.66              | 8,530.00              | 8,252.27              | 229.76           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,185.30               | 9,111.50                | 73.80             | 124.465 |  |                              |
| 17,800.00                                                           | 8,415.26              | 8,530.00              | 8,252.27              | 232.16           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,284.21               | 9,210.35                | 73.86             | 125.704 |  |                              |
| 17,900.00                                                           | 8,416.85              | 8,530.00              | 8,252.27              | 234.57           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,383.14               | 9,309.22                | 73.92             | 126.941 |  |                              |
| 18,000.00                                                           | 8,418.44              | 8,530.00              | 8,252.27              | 236.97           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,482.10               | 9,408.12                | 73.98             | 128.174 |  |                              |
| 18,100.00                                                           | 8,420.03              | 8,530.00              | 8,252.27              | 239.37           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,581.07               | 9,507.03                | 74.04             | 129.405 |  |                              |
| 18,200.00                                                           | 8,421.62              | 8,530.00              | 8,252.27              | 241.78           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,680.07               | 9,606.97                | 74.10             | 130.633 |  |                              |
| 18,300.00                                                           | 8,423.21              | 8,530.00              | 8,252.27              | 244.18           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,779.08               | 9,704.92                | 74.16             | 131.857 |  |                              |
| 18,400.00                                                           | 8,424.80              | 8,530.00              | 8,252.27              | 246.59           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,878.12               | 9,803.89                | 74.23             | 133.079 |  |                              |
| 18,500.00                                                           | 8,426.40              | 8,530.00              | 8,252.27              | 249.00           | 30.18         | 89.25                  | -412.32    | 122.48     | 9,977.18               | 9,902.89                | 74.29             | 134.298 |  |                              |
| 18,600.00                                                           | 8,427.99              | 8,530.00              | 8,252.27              | 251.40           | 30.18         | 89.25                  | -412.32    | 122.48     | 10,076.25              | 10,001.90               | 74.36             | 135.514 |  |                              |
| 18,653.65                                                           | 8,429.00              | 8,530.00              | 8,252.27              | 252.93           | 30.18         | 89.25                  | -412.32    | 122.48     | 10,139.32              | 10,064.93               | 74.40             | 136.286 |  |                              |

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:  
 Output errors are at:  
 Database:  
 Offset TVD Reference:

Well Oxbow 23-24 B2MP Fed Com #1HY  
 RKB=28' @ 2983.00usft (Patterson 564)  
 RKB=28' @ 2983.00usft (Patterson 564)  
 Grid  
 Minimum Curvature  
 2.00 sigma  
 EDM 5000.1 Single User Db  
 Offset Datum

| Offset Design: Oxbow 26-25 - Oxbow 26-25 B2DA Fed Com #1H - OH - Plan #3 |                       |                       |                       |                        |                     |                        |                       |                                   |                                   |                                 |                         |                           |                   | Offset Site Error: 0.00 usft |
|--------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------------|------------------------|-----------------------|-----------------------------------|-----------------------------------|---------------------------------|-------------------------|---------------------------|-------------------|------------------------------|
| Survey Program: 0-MWD                                                    |                       |                       |                       |                        |                     |                        |                       |                                   |                                   |                                 |                         |                           |                   | Offset Well Error: 0.00 usft |
| Reference Depth (usft)                                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference Depth (usft) | Offset Depth (usft) | Semi Major Axis (usft) | Highside Toolface (°) | Offset Wellbore Centre N-S (usft) | Offset Wellbore Centre E-W (usft) | Distance Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning                      |
| 0.00                                                                     | 0.00                  | 1.00                  | 1.00                  | 0.00                   | 0.00                | -0.92                  |                       | 50.00                             | -0.80                             | 50.01                           |                         |                           |                   |                              |
| 100.00                                                                   | 100.00                | 101.00                | 101.00                | 0.13                   | 0.13                | -0.92                  |                       | 50.00                             | -0.80                             | 50.01                           | 49.74                   | 0.26                      | 191.094           |                              |
| 200.00                                                                   | 200.00                | 201.00                | 201.00                | 0.49                   | 0.49                | -0.92                  |                       | 50.00                             | -0.80                             | 50.01                           | 49.03                   | 0.98                      | 51.098            |                              |
| 300.00                                                                   | 300.00                | 301.00                | 301.00                | 0.85                   | 0.85                | -0.92                  |                       | 50.00                             | -0.80                             | 50.01                           | 48.31                   | 1.70                      | 29.492            |                              |
| 400.00                                                                   | 400.00                | 401.00                | 401.00                | 1.20                   | 1.21                | -0.92                  |                       | 50.00                             | -0.80                             | 50.01                           | 47.59                   | 2.41                      | 20.728            |                              |
| 500.00                                                                   | 500.00                | 501.00                | 501.00                | 1.56                   | 1.57                | -0.92                  |                       | 50.00                             | -0.80                             | 50.01                           | 46.86                   | 3.13                      | 15.979            |                              |
| 600.00                                                                   | 600.00                | 601.00                | 601.00                | 1.92                   | 1.92                | -0.92                  |                       | 50.00                             | -0.80                             | 50.01                           | 46.16                   | 3.85                      | 13.001            |                              |
| 700.00                                                                   | 699.98                | 700.98                | 700.98                | 2.28                   | 2.28                | 60.84                  |                       | 50.00                             | -0.80                             | 49.13                           | 44.57                   | 4.56                      | 10.776            |                              |
| 800.00                                                                   | 799.84                | 800.84                | 800.84                | 2.63                   | 2.64                | 66.48                  |                       | 50.00                             | -0.80                             | 46.81                           | 41.53                   | 5.27                      | 8.878             |                              |
| 900.00                                                                   | 899.45                | 900.45                | 900.45                | 2.99                   | 3.00                | 76.95                  |                       | 50.00                             | -0.80                             | 44.05                           | 38.06                   | 5.99                      | 7.353             |                              |
| 983.97                                                                   | 982.82                | 983.82                | 983.82                | 3.30                   | 3.30                | 90.00                  |                       | 50.00                             | -0.80                             | 42.90                           | 36.30                   | 6.60                      | 6.499 CC          |                              |
| 1,000.00                                                                 | 998.70                | 1,000.30              | 999.70                | 3.36                   | 3.36                | 92.89                  |                       | 50.00                             | -0.80                             | 42.96                           | 36.24                   | 6.72                      | 6.392 ES          |                              |
| 1,100.00                                                                 | 1,097.58              | 1,101.42              | 1,098.58              | 3.75                   | 3.72                | 111.51                 |                       | 50.00                             | -0.80                             | 46.18                           | 38.72                   | 7.46                      | 6.191             |                              |
| 1,200.00                                                                 | 1,196.43              | 1,202.57              | 1,197.43              | 4.15                   | 4.08                | 126.60                 |                       | 50.00                             | -0.80                             | 53.66                           | 45.47                   | 8.19                      | 6.551             |                              |
| 1,300.00                                                                 | 1,295.32              | 1,303.68              | 1,296.32              | 4.55                   | 4.44                | 129.42                 |                       | 50.00                             | -0.80                             | 63.24                           | 54.33                   | 8.91                      | 7.095             |                              |
| 1,400.00                                                                 | 1,394.30              | 1,404.70              | 1,395.30              | 4.95                   | 4.81                | 125.03                 |                       | 50.00                             | -0.80                             | 71.93                           | 62.30                   | 9.63                      | 7.468             |                              |
| 1,500.00                                                                 | 1,493.27              | 1,505.73              | 1,494.27              | 5.35                   | 5.17                | 120.27                 |                       | 50.00                             | -0.80                             | 79.68                           | 69.33                   | 10.35                     | 7.699             |                              |
| 1,600.00                                                                 | 1,592.14              | 1,606.86              | 1,593.14              | 5.74                   | 5.53                | 122.83                 |                       | 50.00                             | -0.80                             | 87.23                           | 76.16                   | 11.06                     | 7.883             |                              |
| 1,700.00                                                                 | 1,690.99              | 1,708.01              | 1,691.99              | 6.14                   | 5.89                | 130.36                 |                       | 50.00                             | -0.80                             | 96.33                           | 84.54                   | 11.79                     | 8.173             |                              |
| 1,800.00                                                                 | 1,789.85              | 1,809.16              | 1,790.85              | 6.54                   | 6.26                | 136.52                 |                       | 50.00                             | -0.80                             | 106.80                          | 94.29                   | 12.51                     | 8.538             |                              |
| 1,900.00                                                                 | 1,888.70              | 1,889.70              | 1,889.70              | 6.94                   | 6.54                | 141.54                 |                       | 50.00                             | -0.80                             | 118.28                          | 105.12                  | 13.16                     | 8.989             |                              |
| 2,000.00                                                                 | 1,987.55              | 1,988.55              | 1,988.55              | 7.35                   | 6.90                | 145.66                 |                       | 50.00                             | -0.80                             | 130.51                          | 116.63                  | 13.88                     | 9.405             |                              |
| 2,100.00                                                                 | 2,086.40              | 2,087.40              | 2,087.40              | 7.76                   | 7.25                | 149.06                 |                       | 50.00                             | -0.80                             | 143.28                          | 128.69                  | 14.59                     | 9.818             |                              |
| 2,200.00                                                                 | 2,185.25              | 2,186.25              | 2,186.25              | 8.17                   | 7.61                | 151.90                 |                       | 50.00                             | -0.80                             | 156.48                          | 141.17                  | 15.31                     | 10.218            |                              |
| 2,300.00                                                                 | 2,284.10              | 2,285.10              | 2,285.10              | 8.58                   | 7.96                | 154.29                 |                       | 50.00                             | -0.80                             | 169.99                          | 153.96                  | 16.03                     | 10.603            |                              |
| 2,400.00                                                                 | 2,382.95              | 2,383.95              | 2,383.95              | 8.99                   | 8.32                | 156.33                 |                       | 50.00                             | -0.80                             | 183.76                          | 167.01                  | 16.75                     | 10.969            |                              |
| 2,500.00                                                                 | 2,481.80              | 2,482.80              | 2,482.80              | 9.41                   | 8.67                | 158.09                 |                       | 50.00                             | -0.80                             | 197.72                          | 180.25                  | 17.47                     | 11.315            |                              |
| 2,600.00                                                                 | 2,580.65              | 2,581.65              | 2,581.65              | 9.82                   | 9.03                | 159.61                 |                       | 50.00                             | -0.80                             | 211.84                          | 193.65                  | 18.19                     | 11.643            |                              |
| 2,700.00                                                                 | 2,679.50              | 2,680.50              | 2,680.50              | 10.24                  | 9.38                | 160.95                 |                       | 50.00                             | -0.80                             | 226.10                          | 207.18                  | 18.92                     | 11.952            |                              |
| 2,800.00                                                                 | 2,778.35              | 2,779.35              | 2,779.35              | 10.66                  | 9.73                | 162.12                 |                       | 50.00                             | -0.80                             | 240.45                          | 220.81                  | 19.64                     | 12.244            |                              |
| 2,900.00                                                                 | 2,877.20              | 2,878.20              | 2,878.20              | 11.08                  | 10.09               | 163.16                 |                       | 50.00                             | -0.80                             | 254.90                          | 234.54                  | 20.36                     | 12.520            |                              |
| 3,000.00                                                                 | 2,976.05              | 2,977.05              | 2,977.05              | 11.50                  | 10.44               | 164.09                 |                       | 50.00                             | -0.80                             | 269.41                          | 248.33                  | 21.08                     | 12.779            |                              |
| 3,100.00                                                                 | 3,074.90              | 3,075.90              | 3,075.90              | 11.92                  | 10.80               | 164.93                 |                       | 50.00                             | -0.80                             | 284.00                          | 262.19                  | 21.80                     | 13.025            |                              |
| 3,200.00                                                                 | 3,173.75              | 3,174.75              | 3,174.75              | 12.34                  | 11.15               | 165.68                 |                       | 50.00                             | -0.80                             | 298.63                          | 276.10                  | 22.53                     | 13.257            |                              |
| 3,300.00                                                                 | 3,272.61              | 3,271.63              | 3,271.62              | 12.76                  | 11.49               | 166.47                 |                       | 49.48                             | -1.23                             | 313.54                          | 290.32                  | 23.22                     | 13.501            |                              |
| 3,400.00                                                                 | 3,371.46              | 3,367.38              | 3,367.33              | 13.18                  | 11.80               | 167.56                 |                       | 47.17                             | -3.13                             | 329.35                          | 305.46                  | 23.90                     | 13.783            |                              |
| 3,500.00                                                                 | 3,470.31              | 3,462.53              | 3,462.32              | 13.60                  | 12.12               | 168.92                 |                       | 43.03                             | -6.53                             | 346.20                          | 321.64                  | 24.56                     | 14.097            |                              |
| 3,600.00                                                                 | 3,569.16              | 3,556.95              | 3,556.43              | 14.02                  | 12.43               | 170.50                 |                       | 37.13                             | -11.39                            | 364.21                          | 338.99                  | 25.22                     | 14.443            |                              |
| 3,700.00                                                                 | 3,668.01              | 3,650.55              | 3,649.51              | 14.44                  | 12.74               | 172.23                 |                       | 29.50                             | -17.66                            | 383.51                          | 357.64                  | 25.87                     | 14.826            |                              |
| 3,800.00                                                                 | 3,766.86              | 3,746.11              | 3,744.32              | 14.87                  | 13.07               | 174.07                 |                       | 20.28                             | -25.24                            | 404.01                          | 377.47                  | 26.54                     | 15.222            |                              |
| 3,900.00                                                                 | 3,865.71              | 3,843.12              | 3,840.55              | 15.29                  | 13.40               | 175.79                 |                       | 10.81                             | -33.02                            | 424.97                          | 397.74                  | 27.23                     | 15.604            |                              |
| 4,000.00                                                                 | 3,964.56              | 3,940.14              | 3,936.79              | 15.71                  | 13.73               | 177.34                 |                       | 1.34                              | -40.81                            | 446.26                          | 418.33                  | 27.93                     | 15.977            |                              |
| 4,100.00                                                                 | 4,063.41              | 4,037.15              | 4,033.03              | 16.13                  | 14.07               | 178.75                 |                       | -8.14                             | -48.60                            | 467.84                          | 439.21                  | 28.63                     | 16.339            |                              |
| 4,200.00                                                                 | 4,162.26              | 4,134.17              | 4,129.26              | 16.56                  | 14.42               | -179.96                |                       | -17.61                            | -56.39                            | 489.68                          | 460.34                  | 29.34                     | 16.690            |                              |
| 4,300.00                                                                 | 4,261.11              | 4,231.18              | 4,225.50              | 16.98                  | 14.76               | -178.78                |                       | -27.08                            | -64.18                            | 511.72                          | 481.68                  | 30.05                     | 17.031            |                              |
| 4,400.00                                                                 | 4,359.96              | 4,328.20              | 4,321.74              | 17.40                  | 15.11               | -177.70                |                       | -36.55                            | -71.97                            | 533.96                          | 503.21                  | 30.76                     | 17.360            |                              |
| 4,500.00                                                                 | 4,458.81              | 4,425.21              | 4,417.97              | 17.83                  | 15.46               | -176.71                |                       | -46.03                            | -79.76                            | 556.37                          | 524.90                  | 31.47                     | 17.679            |                              |
| 4,600.00                                                                 | 4,557.66              | 4,522.23              | 4,514.21              | 18.25                  | 15.81               | -175.79                |                       | -55.50                            | -87.55                            | 578.93                          | 546.74                  | 32.19                     | 17.987            |                              |
| 4,700.00                                                                 | 4,656.51              | 4,619.24              | 4,610.45              | 18.68                  | 16.17               | -174.94                |                       | -64.97                            | -95.34                            | 601.62                          | 568.71                  | 32.90                     | 18.284            |                              |
| 4,800.00                                                                 | 4,755.37              | 4,716.26              | 4,706.68              | 19.10                  | 16.52               | -174.15                |                       | -74.45                            | -103.13                           | 624.42                          | 590.80                  | 33.62                     | 18.571            |                              |
| 4,900.00                                                                 | 4,854.22              | 4,813.27              | 4,802.92              | 19.52                  | 16.88               | -173.42                |                       | -83.92                            | -110.91                           | 647.33                          | 612.99                  | 34.34                     | 18.848            |                              |
| 5,000.00                                                                 | 4,953.07              | 4,910.29              | 4,899.16              | 19.95                  | 17.24               | -172.73                |                       | -93.39                            | -118.70                           | 670.34                          | 635.27                  | 35.07                     | 19.116            |                              |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Reference Site: Oxbow 23-24  
Site Error: 0.00 usft  
Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
Well Error: 0.00 usft  
Reference Wellbore: OH  
Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Output errors are at: 2.00 sigma  
Database: EDM 5000.1 Single User Db  
Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 26-25 - Oxbow 26-25 B2DA Fed Com #1H - OH - Plan #3 |                       |                       |                       |                  |               |                       |                                   |                                   |                           | Offset Site Error: 0.00 usft |         |        |
|--------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-----------------------------------|-----------------------------------|---------------------------|------------------------------|---------|--------|
| Survey Program: 0-MWD                                                    |                       |                       |                       |                  |               |                       |                                   |                                   |                           | Offset Well Error: 0.00 usft |         |        |
| Reference                                                                |                       | Offset                |                       | Semi-Major Axis  |               | Highside Toolface (°) | Distance                          |                                   | Minimum Separation (usft) | Separation Factor            | Warning |        |
| Measured Depth (usft)                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | Offset Wellbore Centre N-S (usft) | Offset Wellbore Centre E-W (usft) |                           |                              |         |        |
| 5,100.00                                                                 | 5,051.92              | 5,007.30              | 4,995.39              | 20.37            | 17.61         | -172.09               | -102.86                           | -126.49                           | 693.43                    | 657.64                       | 35.79   | 19.375 |
| 5,200.00                                                                 | 5,150.77              | 5,104.32              | 5,091.63              | 20.80            | 17.97         | -171.50               | -112.34                           | -134.28                           | 716.59                    | 680.08                       | 36.51   | 19.625 |
| 5,300.00                                                                 | 5,249.62              | 5,201.33              | 5,187.87              | 21.22            | 18.34         | -170.94               | -121.81                           | -142.07                           | 739.83                    | 702.59                       | 37.24   | 19.866 |
| 5,400.00                                                                 | 5,348.47              | 5,298.35              | 5,284.10              | 21.65            | 18.71         | -170.41               | -131.28                           | -149.86                           | 763.13                    | 725.16                       | 37.97   | 20.100 |
| 5,500.00                                                                 | 5,447.32              | 5,404.64              | 5,380.34              | 22.07            | 19.11         | -169.91               | -140.76                           | -157.65                           | 786.48                    | 747.75                       | 38.73   | 20.307 |
| 5,600.00                                                                 | 5,546.17              | 5,507.62              | 5,476.58              | 22.50            | 19.50         | -169.45               | -150.23                           | -165.44                           | 809.89                    | 770.41                       | 39.48   | 20.514 |
| 5,700.00                                                                 | 5,645.02              | 5,589.39              | 5,572.81              | 22.92            | 19.82         | -169.01               | -159.70                           | -173.23                           | 833.35                    | 793.20                       | 40.15   | 20.754 |
| 5,800.00                                                                 | 5,743.87              | 5,686.41              | 5,669.05              | 23.35            | 20.19         | -168.59               | -169.17                           | -181.02                           | 856.85                    | 815.97                       | 40.88   | 20.958 |
| 5,900.00                                                                 | 5,842.72              | 5,783.42              | 5,765.29              | 23.77            | 20.56         | -168.20               | -178.65                           | -188.80                           | 880.39                    | 838.78                       | 41.62   | 21.156 |
| 6,000.00                                                                 | 5,941.57              | 5,880.44              | 5,861.52              | 24.20            | 20.94         | -167.82               | -188.12                           | -196.59                           | 903.97                    | 861.63                       | 42.35   | 21.347 |
| 6,100.00                                                                 | 6,040.42              | 5,977.45              | 5,957.76              | 24.62            | 21.31         | -167.47               | -197.59                           | -204.38                           | 927.59                    | 884.51                       | 43.08   | 21.532 |
| 6,200.00                                                                 | 6,139.28              | 6,074.47              | 6,054.00              | 25.05            | 21.69         | -167.13               | -207.06                           | -212.17                           | 951.23                    | 907.42                       | 43.81   | 21.711 |
| 6,300.00                                                                 | 6,238.13              | 6,171.48              | 6,150.23              | 25.47            | 22.07         | -166.81               | -216.54                           | -219.96                           | 974.91                    | 930.36                       | 44.55   | 21.885 |
| 6,400.00                                                                 | 6,336.98              | 6,268.50              | 6,246.47              | 25.90            | 22.44         | -166.50               | -226.01                           | -227.75                           | 998.61                    | 953.33                       | 45.28   | 22.054 |
| 6,500.00                                                                 | 6,435.83              | 6,365.51              | 6,342.71              | 26.33            | 22.82         | -166.21               | -235.48                           | -235.54                           | 1,022.34                  | 976.33                       | 46.02   | 22.217 |
| 6,600.00                                                                 | 6,534.68              | 6,462.53              | 6,438.94              | 26.75            | 23.20         | -165.93               | -244.96                           | -243.33                           | 1,046.10                  | 999.35                       | 46.75   | 22.376 |
| 6,700.00                                                                 | 6,633.53              | 6,559.54              | 6,535.18              | 27.18            | 23.58         | -165.67               | -254.43                           | -251.12                           | 1,069.87                  | 1,022.38                     | 47.49   | 22.530 |
| 6,800.00                                                                 | 6,732.38              | 6,656.56              | 6,631.42              | 27.60            | 23.96         | -165.41               | -263.90                           | -258.90                           | 1,093.67                  | 1,045.44                     | 48.22   | 22.680 |
| 6,900.00                                                                 | 6,831.23              | 6,753.57              | 6,727.65              | 28.03            | 24.35         | -165.17               | -273.37                           | -266.69                           | 1,117.48                  | 1,068.52                     | 48.96   | 22.825 |
| 7,000.00                                                                 | 6,930.08              | 6,850.59              | 6,823.89              | 28.45            | 24.73         | -164.94               | -282.85                           | -274.48                           | 1,141.32                  | 1,091.62                     | 49.70   | 22.966 |
| 7,100.00                                                                 | 7,028.93              | 6,947.60              | 6,920.13              | 28.88            | 25.11         | -164.71               | -292.32                           | -282.27                           | 1,165.17                  | 1,114.74                     | 50.43   | 23.103 |
| 7,200.00                                                                 | 7,127.78              | 7,044.62              | 7,016.36              | 29.31            | 25.50         | -164.50               | -301.79                           | -290.06                           | 1,189.04                  | 1,137.86                     | 51.17   | 23.236 |
| 7,300.00                                                                 | 7,226.63              | 7,141.63              | 7,112.60              | 29.73            | 25.88         | -164.29               | -311.27                           | -297.85                           | 1,212.92                  | 1,161.01                     | 51.91   | 23.366 |
| 7,400.00                                                                 | 7,325.48              | 7,238.65              | 7,208.84              | 30.16            | 26.26         | -164.09               | -320.74                           | -305.64                           | 1,236.82                  | 1,184.17                     | 52.65   | 23.492 |
| 7,500.00                                                                 | 7,424.45              | 7,335.83              | 7,305.24              | 30.58            | 26.65         | -163.98               | -330.23                           | -313.44                           | 1,260.00                  | 1,206.62                     | 53.39   | 23.602 |
| 7,600.00                                                                 | 7,523.82              | 7,433.64              | 7,402.27              | 30.97            | 27.04         | -163.85               | -339.78                           | -321.29                           | 1,280.12                  | 1,225.99                     | 54.12   | 23.653 |
| 7,700.00                                                                 | 7,623.53              | 7,532.02              | 7,499.86              | 31.34            | 27.43         | -163.68               | -349.38                           | -329.19                           | 1,296.96                  | 1,242.11                     | 54.85   | 23.645 |
| 7,800.00                                                                 | 7,723.44              | 7,630.85              | 7,597.89              | 31.68            | 27.82         | -163.45               | -359.03                           | -337.13                           | 1,310.52                  | 1,254.95                     | 55.58   | 23.581 |
| 7,900.00                                                                 | 7,823.41              | 7,729.87              | 7,696.12              | 31.99            | 28.22         | -163.31               | -368.70                           | -345.08                           | 1,320.97                  | 1,264.68                     | 56.28   | 23.469 |
| 8,000.00                                                                 | 7,921.76              | 7,828.34              | 7,793.90              | 32.24            | 28.60         | -163.13               | -378.30                           | -350.96                           | 1,330.62                  | 1,273.67                     | 56.95   | 23.366 |
| 8,100.00                                                                 | 8,014.43              | 7,932.64              | 7,896.76              | 32.43            | 28.94         | -163.15               | -388.19                           | -358.40                           | 1,340.10                  | 1,282.54                     | 57.56   | 23.281 |
| 8,200.00                                                                 | 8,097.36              | 8,043.86              | 8,000.67              | 32.55            | 29.21         | -163.24               | -397.90                           | -360.71                           | 1,348.92                  | 1,290.80                     | 58.13   | 23.206 |
| 8,300.00                                                                 | 8,166.92              | 8,162.61              | 8,098.67              | 32.60            | 29.41         | -163.38               | -406.74                           | -365.06                           | 1,356.57                  | 1,297.89                     | 58.68   | 23.120 |
| 8,400.00                                                                 | 8,220.08              | 8,288.77              | 8,182.17              | 32.61            | 29.52         | -163.55               | -413.80                           | -361.07                           | 1,362.48                  | 1,303.18                     | 59.29   | 22.978 |
| 8,500.00                                                                 | 8,254.52              | 8,421.01              | 8,240.11              | 32.58            | 29.59         | -163.68               | -418.12                           | -357.74                           | 1,366.15                  | 1,306.02                     | 60.13   | 22.720 |
| 8,600.00                                                                 | 8,268.72              | 8,556.65              | 8,263.78              | 32.56            | 30.07         | -163.74               | -418.93                           | -353.35                           | 1,367.22                  | 1,305.93                     | 61.29   | 22.307 |
| 8,700.00                                                                 | 8,270.43              | 8,659.04              | 8,265.49              | 32.69            | 30.78         | -163.75               | -417.94                           | -349.72                           | 1,366.75                  | 1,304.14                     | 62.61   | 21.830 |
| 8,800.00                                                                 | 8,272.02              | 8,759.04              | 8,267.08              | 33.21            | 31.64         | -163.75               | -416.97                           | -345.70                           | 1,366.28                  | 1,302.04                     | 64.24   | 21.270 |
| 8,900.00                                                                 | 8,273.61              | 8,859.03              | 8,268.67              | 34.10            | 32.65         | -163.75               | -415.99                           | -341.68                           | 1,365.81                  | 1,299.63                     | 66.18   | 20.639 |
| 9,000.00                                                                 | 8,275.20              | 8,959.03              | 8,270.26              | 35.18            | 33.80         | -163.75               | -415.02                           | -337.66                           | 1,365.33                  | 1,296.93                     | 68.41   | 19.959 |
| 9,100.00                                                                 | 8,276.79              | 9,059.03              | 8,271.85              | 36.40            | 35.08         | -163.75               | -414.05                           | -333.64                           | 1,364.86                  | 1,293.96                     | 70.90   | 19.250 |
| 9,200.00                                                                 | 8,278.39              | 9,159.03              | 8,273.44              | 37.74            | 36.47         | -163.75               | -413.08                           | -329.62                           | 1,364.39                  | 1,290.76                     | 73.63   | 18.531 |
| 9,300.00                                                                 | 8,279.98              | 9,259.03              | 8,275.04              | 39.19            | 37.97         | -163.75               | -412.11                           | -325.60                           | 1,363.92                  | 1,287.35                     | 76.57   | 17.813 |
| 9,400.00                                                                 | 8,281.57              | 9,359.03              | 8,276.63              | 40.73            | 39.55         | -163.75               | -411.14                           | -321.58                           | 1,363.44                  | 1,283.75                     | 79.69   | 17.109 |
| 9,500.00                                                                 | 8,283.16              | 9,459.03              | 8,278.22              | 42.35            | 41.22         | -163.75               | -410.16                           | -317.56                           | 1,362.97                  | 1,279.99                     | 82.98   | 16.424 |
| 9,600.00                                                                 | 8,284.75              | 9,559.03              | 8,279.81              | 44.04            | 42.95         | -163.75               | -409.19                           | -313.54                           | 1,362.50                  | 1,276.08                     | 86.42   | 15.766 |
| 9,700.00                                                                 | 8,286.34              | 9,659.03              | 8,281.40              | 45.80            | 44.75         | -163.75               | -408.22                           | -309.52                           | 1,362.03                  | 1,272.04                     | 89.99   | 15.135 |
| 9,800.00                                                                 | 8,287.93              | 9,759.02              | 8,282.99              | 47.62            | 46.61         | -163.75               | -407.25                           | -305.50                           | 1,361.55                  | 1,267.88                     | 93.67   | 14.535 |
| 9,900.00                                                                 | 8,289.53              | 9,859.02              | 8,284.58              | 49.49            | 48.52         | -163.75               | -406.28                           | -301.48                           | 1,361.08                  | 1,263.62                     | 97.46   | 13.966 |
| 10,000.00                                                                | 8,291.12              | 9,959.02              | 8,286.17              | 51.40            | 50.47         | -163.75               | -405.30                           | -297.46                           | 1,360.61                  | 1,259.27                     | 101.34  | 13.427 |
| 10,100.00                                                                | 8,292.71              | 10,059.02             | 8,287.76              | 53.36            | 52.46         | -163.75               | -404.33                           | -293.44                           | 1,360.14                  | 1,254.84                     | 105.29  | 12.918 |
| 10,200.00                                                                | 8,294.30              | 10,159.02             | 8,289.35              | 55.35            | 54.48         | -163.75               | -403.36                           | -289.42                           | 1,359.66                  | 1,250.34                     | 109.32  | 12.437 |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 26-25 - Oxbow 26-25 B2DA Fed Com #1H - OH - Plan #3 |                       |                       |                       |           |        |                       |                                   |                                   |                        |                         |                           |                   |         |
|--------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|--------|-----------------------|-----------------------------------|-----------------------------------|------------------------|-------------------------|---------------------------|-------------------|---------|
| Survey Program: 0-MWD                                                    |                       |                       |                       |           |        |                       |                                   |                                   |                        |                         |                           |                   |         |
| Reference: Offset                                                        |                       |                       |                       |           |        |                       |                                   |                                   |                        |                         |                           |                   |         |
| Semi-Major Axis                                                          |                       |                       |                       |           |        |                       |                                   |                                   |                        |                         |                           |                   |         |
| Measured Depth (usft)                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference | Offset | Highside Toolface (°) | Offset Wellbore Centre N-S (usft) | Offset Wellbore Centre E-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning |
| 10,300.00                                                                | 8,295.89              | 10,259.02             | 8,290.95              | 57.37     | 56.54  | 89.74                 | -402.39                           | 1,812.42                          | 1,359.19               | 1,245.78                | 113.41                    | 11.984            |         |
| 10,400.00                                                                | 8,297.48              | 10,359.02             | 8,292.54              | 59.43     | 58.62  | 89.74                 | -401.42                           | 1,912.40                          | 1,358.72               | 1,241.15                | 117.57                    | 11.557            |         |
| 10,500.00                                                                | 8,299.08              | 10,459.02             | 8,294.13              | 61.51     | 60.73  | 89.74                 | -400.44                           | 2,012.38                          | 1,358.25               | 1,236.48                | 121.77                    | 11.154            |         |
| 10,600.00                                                                | 8,300.67              | 10,559.02             | 8,295.72              | 63.61     | 62.86  | 89.74                 | -399.47                           | 2,112.36                          | 1,357.77               | 1,231.76                | 126.02                    | 10.775            |         |
| 10,700.00                                                                | 8,302.26              | 10,659.01             | 8,297.31              | 65.74     | 65.02  | 89.74                 | -398.50                           | 2,212.35                          | 1,357.30               | 1,226.99                | 130.31                    | 10.416            |         |
| 10,800.00                                                                | 8,303.85              | 10,759.01             | 8,298.90              | 67.89     | 67.19  | 89.74                 | -397.53                           | 2,312.33                          | 1,356.83               | 1,222.19                | 134.64                    | 10.078            |         |
| 10,900.00                                                                | 8,305.44              | 10,859.01             | 8,300.49              | 70.05     | 69.37  | 89.74                 | -396.56                           | 2,412.31                          | 1,356.36               | 1,217.36                | 139.00                    | 9.758             |         |
| 11,000.00                                                                | 8,307.03              | 10,959.01             | 8,302.08              | 72.23     | 71.58  | 89.74                 | -395.58                           | 2,512.29                          | 1,355.88               | 1,212.49                | 143.39                    | 9.456             |         |
| 11,100.00                                                                | 8,308.62              | 11,059.01             | 8,303.67              | 74.43     | 73.79  | 89.74                 | -394.61                           | 2,612.27                          | 1,355.41               | 1,207.60                | 147.82                    | 9.170             |         |
| 11,200.00                                                                | 8,310.22              | 11,159.01             | 8,305.26              | 76.64     | 76.02  | 89.74                 | -393.64                           | 2,712.25                          | 1,354.94               | 1,202.68                | 152.26                    | 8.899             |         |
| 11,300.00                                                                | 8,311.81              | 11,259.01             | 8,306.86              | 78.86     | 78.26  | 89.74                 | -392.67                           | 2,812.24                          | 1,354.47               | 1,197.73                | 156.74                    | 8.642             |         |
| 11,400.00                                                                | 8,313.40              | 11,359.01             | 8,308.45              | 81.09     | 80.51  | 89.74                 | -391.70                           | 2,912.22                          | 1,353.99               | 1,192.76                | 161.23                    | 8.398             |         |
| 11,500.00                                                                | 8,314.99              | 11,459.01             | 8,310.04              | 83.34     | 82.77  | 89.74                 | -390.72                           | 3,012.20                          | 1,353.52               | 1,187.78                | 165.74                    | 8.166             |         |
| 11,600.00                                                                | 8,316.58              | 11,559.00             | 8,311.63              | 85.59     | 85.04  | 89.74                 | -389.75                           | 3,112.18                          | 1,353.05               | 1,182.77                | 170.28                    | 7.946             |         |
| 11,700.00                                                                | 8,318.17              | 11,659.00             | 8,313.22              | 87.86     | 87.32  | 89.74                 | -388.78                           | 3,212.16                          | 1,352.58               | 1,177.75                | 174.83                    | 7.737             |         |
| 11,800.00                                                                | 8,319.76              | 11,759.00             | 8,314.81              | 90.13     | 89.61  | 89.74                 | -387.81                           | 3,312.14                          | 1,352.10               | 1,172.71                | 179.39                    | 7.537             |         |
| 11,900.00                                                                | 8,321.36              | 11,859.00             | 8,316.40              | 92.41     | 91.90  | 89.74                 | -386.84                           | 3,412.12                          | 1,351.63               | 1,167.66                | 183.97                    | 7.347             |         |
| 12,000.00                                                                | 8,322.95              | 11,959.00             | 8,317.99              | 94.69     | 94.20  | 89.74                 | -385.86                           | 3,512.11                          | 1,351.16               | 1,162.59                | 188.57                    | 7.165             |         |
| 12,100.00                                                                | 8,324.54              | 12,059.00             | 8,319.58              | 96.99     | 96.51  | 89.74                 | -384.89                           | 3,612.09                          | 1,350.69               | 1,157.52                | 193.17                    | 6.992             |         |
| 12,200.00                                                                | 8,326.13              | 12,159.00             | 8,321.17              | 99.29     | 98.82  | 89.74                 | -383.92                           | 3,712.07                          | 1,350.21               | 1,152.43                | 197.79                    | 6.827             |         |
| 12,300.00                                                                | 8,327.72              | 12,259.00             | 8,322.77              | 101.59    | 101.13 | 89.74                 | -382.95                           | 3,812.05                          | 1,349.74               | 1,147.32                | 202.42                    | 6.668             |         |
| 12,400.00                                                                | 8,329.31              | 12,359.00             | 8,324.36              | 103.90    | 103.45 | 89.74                 | -381.98                           | 3,912.03                          | 1,349.27               | 1,142.21                | 207.06                    | 6.516             |         |
| 12,500.00                                                                | 8,330.91              | 12,459.99             | 8,325.95              | 106.22    | 105.78 | 89.74                 | -381.00                           | 4,012.01                          | 1,348.80               | 1,137.09                | 211.70                    | 6.371             |         |
| 12,600.00                                                                | 8,332.50              | 12,559.99             | 8,327.54              | 108.54    | 108.11 | 89.74                 | -380.03                           | 4,111.99                          | 1,348.32               | 1,131.96                | 216.36                    | 6.232             |         |
| 12,700.00                                                                | 8,334.09              | 12,659.99             | 8,329.13              | 110.86    | 110.45 | 89.74                 | -379.06                           | 4,211.98                          | 1,347.85               | 1,126.83                | 221.02                    | 6.098             |         |
| 12,800.00                                                                | 8,335.68              | 12,759.99             | 8,330.72              | 113.19    | 112.78 | 89.74                 | -378.09                           | 4,311.96                          | 1,347.38               | 1,121.68                | 225.70                    | 5.970             |         |
| 12,900.00                                                                | 8,337.27              | 12,859.99             | 8,332.31              | 115.53    | 115.12 | 89.74                 | -377.12                           | 4,411.94                          | 1,346.91               | 1,116.53                | 230.38                    | 5.847             |         |
| 13,000.00                                                                | 8,338.86              | 12,959.99             | 8,333.90              | 117.86    | 117.47 | 89.74                 | -376.14                           | 4,511.92                          | 1,346.43               | 1,111.37                | 235.06                    | 5.728             |         |
| 13,100.00                                                                | 8,340.45              | 13,059.99             | 8,335.49              | 120.20    | 119.82 | 89.74                 | -375.17                           | 4,611.90                          | 1,345.96               | 1,106.20                | 239.76                    | 5.614             |         |
| 13,200.00                                                                | 8,342.05              | 13,159.99             | 8,337.08              | 122.55    | 122.17 | 89.74                 | -374.20                           | 4,711.88                          | 1,345.49               | 1,101.03                | 244.46                    | 5.504             |         |
| 13,300.00                                                                | 8,343.64              | 13,259.99             | 8,338.68              | 124.89    | 124.52 | 89.74                 | -373.23                           | 4,811.87                          | 1,345.02               | 1,095.85                | 249.16                    | 5.398             |         |
| 13,400.00                                                                | 8,345.23              | 13,359.98             | 8,340.27              | 127.24    | 126.88 | 89.74                 | -372.26                           | 4,911.85                          | 1,344.54               | 1,090.67                | 253.87                    | 5.296             |         |
| 13,500.00                                                                | 8,346.82              | 13,459.98             | 8,341.86              | 129.59    | 129.24 | 89.74                 | -371.28                           | 5,011.83                          | 1,344.07               | 1,085.48                | 258.59                    | 5.198             |         |
| 13,600.00                                                                | 8,348.41              | 13,559.98             | 8,343.45              | 131.95    | 131.60 | 89.74                 | -370.31                           | 5,111.81                          | 1,343.60               | 1,080.29                | 263.31                    | 5.103             |         |
| 13,700.00                                                                | 8,350.00              | 13,659.98             | 8,345.04              | 134.31    | 133.96 | 89.74                 | -369.34                           | 5,211.79                          | 1,343.13               | 1,075.09                | 268.03                    | 5.011             |         |
| 13,800.00                                                                | 8,351.59              | 13,759.98             | 8,346.63              | 136.67    | 136.33 | 89.74                 | -368.37                           | 5,311.77                          | 1,342.65               | 1,069.89                | 272.76                    | 4.922             |         |
| 13,900.00                                                                | 8,353.19              | 13,859.98             | 8,348.22              | 139.03    | 138.70 | 89.74                 | -367.40                           | 5,411.75                          | 1,342.18               | 1,064.68                | 277.50                    | 4.837             |         |
| 14,000.00                                                                | 8,354.78              | 13,959.98             | 8,349.81              | 141.39    | 141.07 | 89.74                 | -366.42                           | 5,511.74                          | 1,341.71               | 1,059.47                | 282.23                    | 4.754             |         |
| 14,100.00                                                                | 8,356.37              | 14,059.98             | 8,351.40              | 143.76    | 143.44 | 89.74                 | -365.45                           | 5,611.72                          | 1,341.24               | 1,054.26                | 286.98                    | 4.674             |         |
| 14,200.00                                                                | 8,357.96              | 14,159.98             | 8,352.99              | 146.13    | 145.81 | 89.74                 | -364.48                           | 5,711.70                          | 1,340.76               | 1,049.04                | 291.72                    | 4.596             |         |
| 14,300.00                                                                | 8,359.55              | 14,259.97             | 8,354.59              | 148.50    | 148.19 | 89.74                 | -363.51                           | 5,811.68                          | 1,340.29               | 1,043.82                | 296.47                    | 4.521             |         |
| 14,400.00                                                                | 8,361.14              | 14,359.97             | 8,356.18              | 150.87    | 150.56 | 89.74                 | -362.54                           | 5,911.66                          | 1,339.82               | 1,038.60                | 301.22                    | 4.448             |         |
| 14,500.00                                                                | 8,362.74              | 14,459.97             | 8,357.77              | 153.24    | 152.94 | 89.74                 | -361.56                           | 6,011.64                          | 1,339.35               | 1,033.37                | 305.97                    | 4.377             |         |
| 14,600.00                                                                | 8,364.33              | 14,559.97             | 8,359.36              | 155.62    | 155.32 | 89.74                 | -360.59                           | 6,111.63                          | 1,338.87               | 1,028.14                | 310.73                    | 4.309             |         |
| 14,700.00                                                                | 8,365.92              | 14,659.97             | 8,360.95              | 157.99    | 157.70 | 89.74                 | -359.62                           | 6,211.61                          | 1,338.40               | 1,022.91                | 315.49                    | 4.242             |         |
| 14,800.00                                                                | 8,367.51              | 14,759.97             | 8,362.54              | 160.37    | 160.08 | 89.74                 | -358.65                           | 6,311.59                          | 1,337.93               | 1,017.67                | 320.25                    | 4.178             |         |
| 14,900.00                                                                | 8,369.10              | 14,859.97             | 8,364.13              | 162.75    | 162.46 | 89.74                 | -357.68                           | 6,411.57                          | 1,337.46               | 1,012.44                | 325.02                    | 4.115             |         |
| 15,000.00                                                                | 8,370.69              | 14,959.97             | 8,365.72              | 165.13    | 164.85 | 89.74                 | -356.70                           | 6,511.55                          | 1,336.98               | 1,007.19                | 329.79                    | 4.054             |         |
| 15,100.00                                                                | 8,372.28              | 15,059.97             | 8,367.31              | 167.51    | 167.23 | 89.74                 | -355.73                           | 6,611.53                          | 1,336.51               | 1,001.95                | 334.56                    | 3.995             |         |
| 15,200.00                                                                | 8,373.88              | 15,159.96             | 8,368.90              | 169.90    | 169.62 | 89.74                 | -354.76                           | 6,711.51                          | 1,336.04               | 996.71                  | 339.33                    | 3.937             |         |
| 15,300.00                                                                | 8,375.47              | 15,259.96             | 8,370.49              | 172.28    | 172.01 | 89.74                 | -353.79                           | 6,811.50                          | 1,335.57               | 991.46                  | 344.11                    | 3.881             |         |
| 15,400.00                                                                | 8,377.06              | 15,359.96             | 8,372.09              | 174.67    | 174.40 | 89.74                 | -352.82                           | 6,911.48                          | 1,335.09               | 986.21                  | 348.88                    | 3.827             |         |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Mewbourne Oil Company  
 Project: Eddy Co., NM (NAD 83)  
 Reference Site: Oxbow 23-24  
 Site Error: 0.00 usft  
 Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
 Well Error: 0.00 usft  
 Reference Wellbore: OH  
 Reference Design: Plan #1

Local Co-ordinate Reference: Well Oxbow 23-24 B2MP Fed Com #1HY  
 TVD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 MD Reference: RKB=28' @ 2983.00usft (Patterson 564)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Output errors are at: 2.00 sigma  
 Database: EDM 5000.1 Single User Db  
 Offset TVD Reference: Offset Datum

| Offset Design: Oxbow 26-25 - Oxbow 26-25 B2DA Fed Com #1H - OH - Plan #3 |                       |                       |                       |                  |               |                       |                                   |                                   |                        |                         |                           |                   | Offset Site Error: 0.00 usft |
|--------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-----------------------------------|-----------------------------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|
| Survey Program: 0-MWD                                                    |                       |                       |                       |                  |               |                       |                                   |                                   |                        |                         |                           |                   | Offset Well Error: 0.00 usft |
| Reference                                                                | Offset                | Semi Major Axis       |                       | Distance         |               | Minimum Separation    |                                   | Separation Factor                 |                        | Warning                 |                           |                   |                              |
| Measured Depth (usft)                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre N-S (usft) | Offset Wellbore Centre E-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                              |
| 15,500.00                                                                | 8,378.65              | 15,458.96             | 8,373.68              | 177.05           | 176.79        | 89.74                 | -351.84                           | 7,011.46                          | 1,334.62               | 980.96                  | 353.66                    | 3.774             |                              |
| 15,600.00                                                                | 8,380.24              | 15,558.96             | 8,375.27              | 179.44           | 179.18        | 89.74                 | -350.87                           | 7,111.44                          | 1,334.15               | 975.71                  | 358.44                    | 3.722             |                              |
| 15,700.00                                                                | 8,381.83              | 15,658.96             | 8,376.86              | 181.83           | 181.57        | 89.74                 | -349.90                           | 7,211.42                          | 1,333.67               | 970.45                  | 363.22                    | 3.672             |                              |
| 15,800.00                                                                | 8,383.42              | 15,758.96             | 8,378.45              | 184.22           | 183.96        | 89.74                 | -348.93                           | 7,311.40                          | 1,333.20               | 965.20                  | 368.01                    | 3.623             |                              |
| 15,900.00                                                                | 8,385.02              | 15,858.96             | 8,380.04              | 186.61           | 186.35        | 89.74                 | -347.96                           | 7,411.38                          | 1,332.73               | 959.94                  | 372.79                    | 3.575             |                              |
| 16,000.00                                                                | 8,386.61              | 15,958.96             | 8,381.63              | 189.00           | 188.75        | 89.74                 | -346.98                           | 7,511.37                          | 1,332.26               | 954.68                  | 377.58                    | 3.528             |                              |
| 16,100.00                                                                | 8,388.20              | 16,058.95             | 8,383.22              | 191.39           | 191.14        | 89.74                 | -346.01                           | 7,611.35                          | 1,331.78               | 949.42                  | 382.37                    | 3.483             |                              |
| 16,200.00                                                                | 8,389.79              | 16,158.95             | 8,384.81              | 193.79           | 193.54        | 89.74                 | -345.04                           | 7,711.33                          | 1,331.31               | 944.15                  | 387.16                    | 3.439             |                              |
| 16,300.00                                                                | 8,391.38              | 16,258.95             | 8,386.40              | 196.18           | 195.93        | 89.74                 | -344.07                           | 7,811.31                          | 1,330.84               | 938.89                  | 391.95                    | 3.395             |                              |
| 16,400.00                                                                | 8,392.97              | 16,358.95             | 8,388.00              | 198.57           | 198.33        | 89.74                 | -343.10                           | 7,911.29                          | 1,330.37               | 933.62                  | 396.74                    | 3.353             |                              |
| 16,500.00                                                                | 8,394.57              | 16,458.95             | 8,389.59              | 200.97           | 200.73        | 89.74                 | -342.12                           | 8,011.27                          | 1,329.89               | 928.36                  | 401.54                    | 3.312             |                              |
| 16,600.00                                                                | 8,396.16              | 16,558.95             | 8,391.18              | 203.36           | 203.13        | 89.74                 | -341.15                           | 8,111.26                          | 1,329.42               | 923.09                  | 406.33                    | 3.272             |                              |
| 16,700.00                                                                | 8,397.75              | 16,658.95             | 8,392.77              | 205.76           | 205.53        | 89.74                 | -340.18                           | 8,211.24                          | 1,328.95               | 917.82                  | 411.13                    | 3.232             |                              |
| 16,800.00                                                                | 8,399.34              | 16,758.95             | 8,394.36              | 208.16           | 207.92        | 89.74                 | -339.21                           | 8,311.22                          | 1,328.48               | 912.55                  | 415.93                    | 3.194             |                              |
| 16,900.00                                                                | 8,400.93              | 16,858.95             | 8,395.95              | 210.56           | 210.32        | 89.74                 | -338.24                           | 8,411.20                          | 1,328.00               | 907.27                  | 420.73                    | 3.156             |                              |
| 17,000.00                                                                | 8,402.52              | 16,958.94             | 8,397.54              | 212.96           | 212.72        | 89.74                 | -337.26                           | 8,511.18                          | 1,327.53               | 902.00                  | 425.53                    | 3.120             |                              |
| 17,100.00                                                                | 8,404.11              | 17,058.94             | 8,399.13              | 215.35           | 215.13        | 89.74                 | -336.29                           | 8,611.16                          | 1,327.06               | 896.73                  | 430.33                    | 3.084             |                              |
| 17,200.00                                                                | 8,405.71              | 17,158.94             | 8,400.72              | 217.75           | 217.53        | 89.74                 | -335.32                           | 8,711.14                          | 1,326.59               | 891.45                  | 435.13                    | 3.049             |                              |
| 17,300.00                                                                | 8,407.30              | 17,258.94             | 8,402.31              | 220.15           | 219.93        | 89.74                 | -334.35                           | 8,811.13                          | 1,326.11               | 886.18                  | 439.94                    | 3.014             |                              |
| 17,400.00                                                                | 8,408.89              | 17,358.94             | 8,403.91              | 222.56           | 222.33        | 89.74                 | -333.38                           | 8,911.11                          | 1,325.64               | 880.90                  | 444.74                    | 2.981             |                              |
| 17,500.00                                                                | 8,410.48              | 17,458.94             | 8,405.50              | 224.96           | 224.73        | 89.74                 | -332.40                           | 9,011.09                          | 1,325.17               | 875.62                  | 449.55                    | 2.948             |                              |
| 17,600.00                                                                | 8,412.07              | 17,558.94             | 8,407.09              | 227.36           | 227.14        | 89.74                 | -331.43                           | 9,111.07                          | 1,324.70               | 870.34                  | 454.36                    | 2.916             |                              |
| 17,700.00                                                                | 8,413.66              | 17,658.94             | 8,408.68              | 229.76           | 229.54        | 89.74                 | -330.46                           | 9,211.05                          | 1,324.22               | 865.06                  | 459.16                    | 2.884             |                              |
| 17,800.00                                                                | 8,415.26              | 17,758.94             | 8,410.27              | 232.16           | 231.95        | 89.74                 | -329.49                           | 9,311.03                          | 1,323.75               | 859.78                  | 463.97                    | 2.853             |                              |
| 17,900.00                                                                | 8,416.85              | 17,858.93             | 8,411.86              | 234.57           | 234.35        | 89.74                 | -328.52                           | 9,411.01                          | 1,323.28               | 854.50                  | 468.78                    | 2.823             |                              |
| 18,000.00                                                                | 8,418.44              | 17,958.93             | 8,413.45              | 236.97           | 236.76        | 89.74                 | -327.54                           | 9,511.00                          | 1,322.81               | 849.22                  | 473.59                    | 2.793             |                              |
| 18,100.00                                                                | 8,420.03              | 18,058.93             | 8,415.04              | 239.37           | 239.16        | 89.74                 | -326.57                           | 9,610.98                          | 1,322.33               | 843.93                  | 478.40                    | 2.764             |                              |
| 18,200.00                                                                | 8,421.62              | 18,158.93             | 8,416.63              | 241.78           | 241.57        | 89.74                 | -325.60                           | 9,710.96                          | 1,321.86               | 838.65                  | 483.21                    | 2.736             |                              |
| 18,300.00                                                                | 8,423.21              | 18,258.93             | 8,418.22              | 244.18           | 243.97        | 89.74                 | -324.63                           | 9,810.94                          | 1,321.39               | 833.36                  | 488.03                    | 2.708             |                              |
| 18,400.00                                                                | 8,424.80              | 18,358.93             | 8,419.82              | 246.59           | 246.38        | 89.74                 | -323.66                           | 9,910.92                          | 1,320.92               | 828.08                  | 492.84                    | 2.680             |                              |
| 18,500.00                                                                | 8,426.40              | 18,458.93             | 8,421.41              | 249.00           | 248.79        | 89.74                 | -322.68                           | 10,010.90                         | 1,320.44               | 822.79                  | 497.65                    | 2.653             |                              |
| 18,600.00                                                                | 8,427.99              | 18,558.93             | 8,423.00              | 251.40           | 251.19        | 89.74                 | -321.71                           | 10,110.89                         | 1,319.97               | 817.50                  | 502.47                    | 2.627             |                              |
| 18,663.65                                                                | 8,429.00              | 18,622.58             | 8,424.01              | 252.93           | 252.72        | 89.74                 | -321.09                           | 10,174.52                         | 1,319.67               | 814.14                  | 505.53                    | 2.610 SF          |                              |

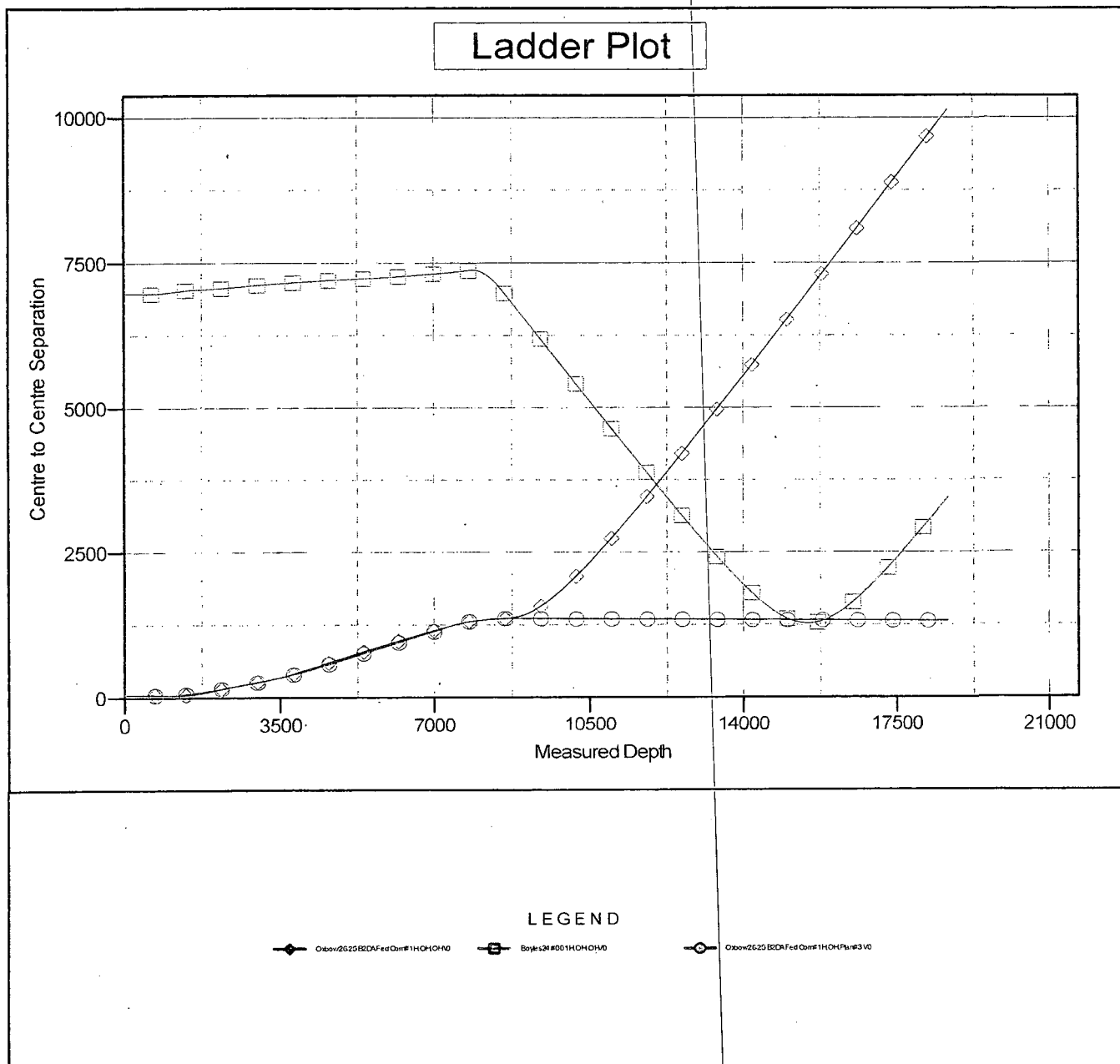
Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Reference Site: Oxbow 23-24  
Site Error: 0.00 usft  
Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
Well Error: 0.00 usft  
Reference Wellbore: OH  
Reference Design: Plan #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Output errors are at:  
Database:  
Offset TVD Reference:

Well Oxbow 23-24 B2MP Fed Com #1HY  
RKB=28' @ 2983.00usft (Patterson 564)  
RKB=28' @ 2983.00usft (Patterson 564)  
Grid  
Minimum Curvature  
2.00 sigma  
EDM 5000.1 Single User Db  
Offset Datum

Reference Depths are relative to RKB=28' @ 2983.00usft (Patterson 56)  
Offset Depths are relative to Offset Datum  
Central Meridian is -104.333334

Coordinates are relative to: Oxbow 23-24 B2MP Fed Com #1HY  
Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
Grid Convergence at Surface is: 0.14°





Company: Mewbourne Oil Company  
Project: Eddy Co., NM (NAD 83)  
Reference Site: Oxbow 23-24  
Site Error: 0.00 usft  
Reference Well: Oxbow 23-24 B2MP Fed Com #1HY  
Well Error: 0.00 usft  
Reference Wellbore: OH  
Reference Design: Plan #1

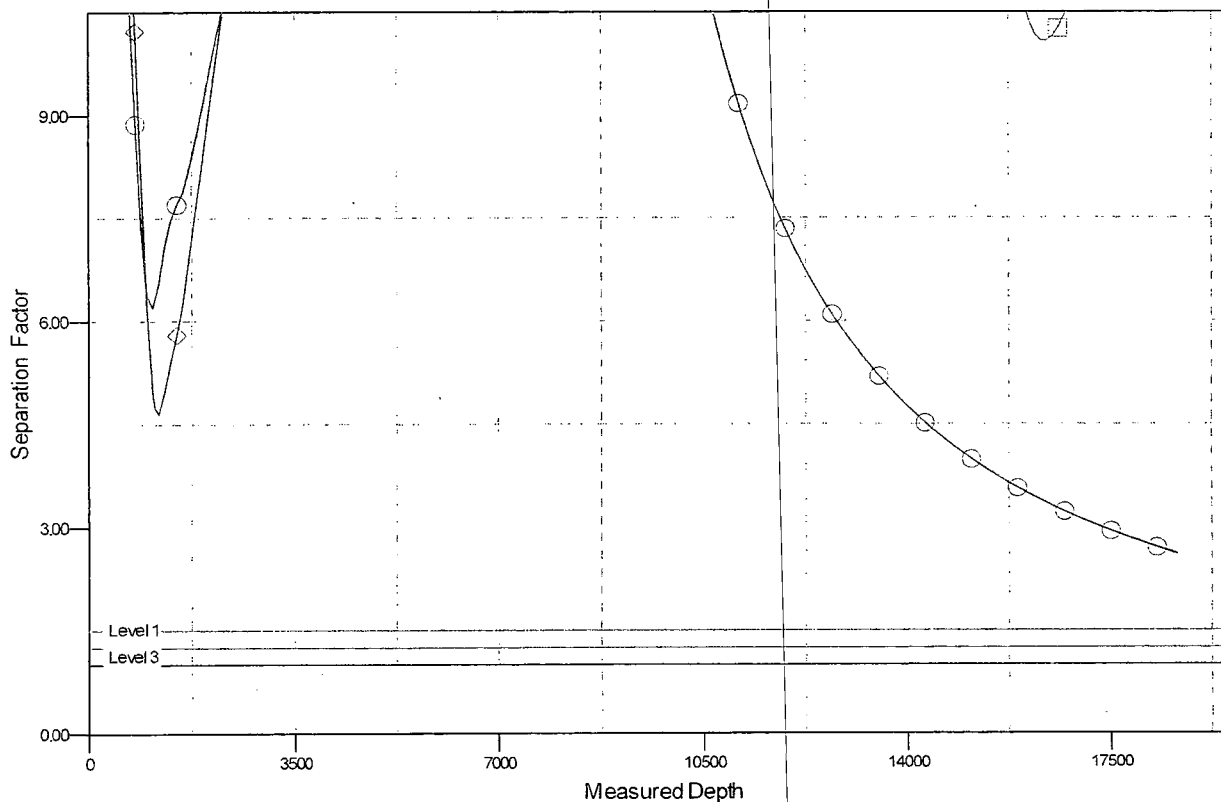
Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Output errors are at:  
Database:  
Offset TVD Reference:

Well Oxbow 23-24 B2MP Fed Com #1HY  
RKB=28' @ 2983.00usft (Patterson 564)  
RKB=28' @ 2983.00usft (Patterson 564)  
Grid  
Minimum Curvature  
2.00 sigma  
EDM 5000.1 Single User Db  
Offset Datum

Reference Depths are relative to RKB=28' @ 2983.00usft (Patterson 56  
Offset Depths are relative to Offset Datum  
Central Meridian is -104.333334

Coordinates are relative to: Oxbow 23-24 B2MP Fed Com #1HY  
Coordinate System is US State Plane 1983, New Mexico Eastern Zone  
Grid Convergence at Surface is: 0.14°

## Separation Factor Plot



### LEGEND

Oxbow 23-24 B2MP Fed Com #1HY (OH)  
 Oxbow 23-24 B2MP Fed Com #1HY (OH)  
 Oxbow 23-24 B2MP Fed Com #1HY (OH)