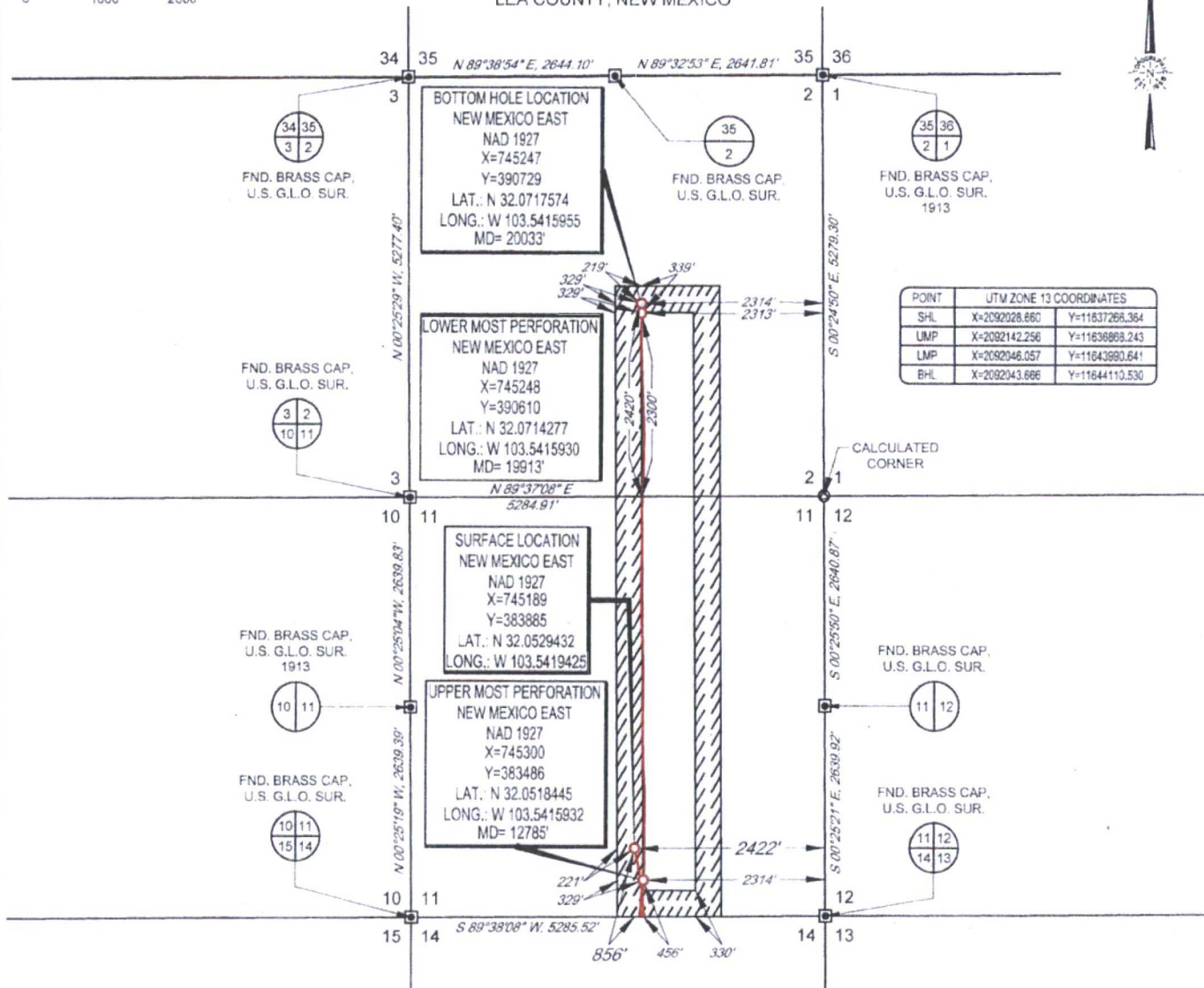


SCALE: 1" = 2000'  
0' 1000' 2000'

SECTION 11, TOWNSHIP 26-S, RANGE 33-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: WHIRLING WIND 11 FED COM #704H  
SECTION 11 TWP 26-S RGE 33-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM ELEVATION 3344'  
DESCRIPTION 856' FSL & 2422' FEL

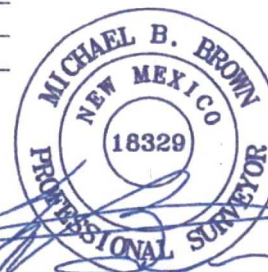


**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548  
2803 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
WWW.TOPOGRAPHIC.COM



**eog resources, Inc.**



Michael Blake Brown, P.S. No. 18329  
FEBRUARY 1, 2017

WHIRLING WIND 11  
FED COM #704H  
AS-COMPLETED

REVISION:

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID-BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

DATE: 02/01/17

FILE: AD\_WHIRLINGWIND11FEDCOM\_704H

DRAWN BY: A.C.C.

SHEET: 1 OF 1



Lea County, NM (NAD 27 NME)

Whirling Wind 11 Fed Com #704H

H&amp;P 465

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1987 (Exact solution)  
Datum: NAD 1987 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico East 3001  
System Datum: Mean Sea Level



Azimuths to Grid North  
True North: 3.42°  
Magnetic North: 6.58°  
Magnetic Field  
Strength: 47KGS/AmT  
Dip Angle: 58.92°  
Date: 10/27/2016  
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.58°  
To convert a Magnetic Direction to a True Direction, Add 7.00° East  
To convert a True Direction to a Grid Direction, Subtract 0.42°

WELL DETAILS: #704H

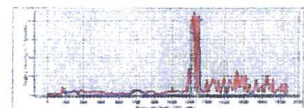
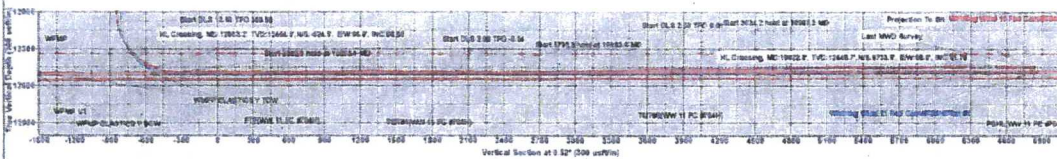
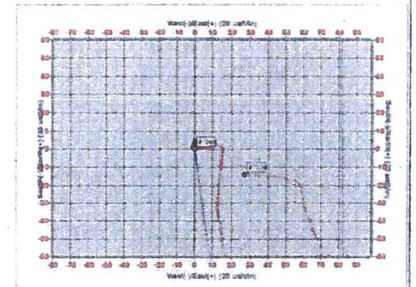
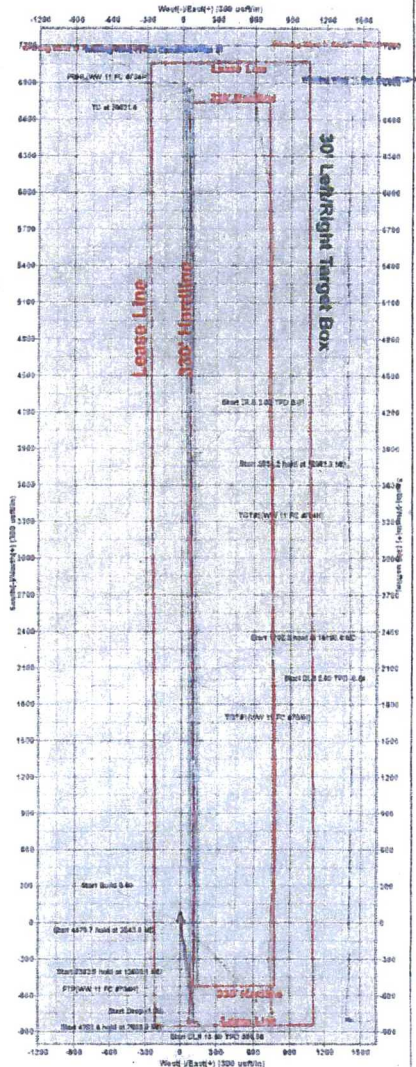
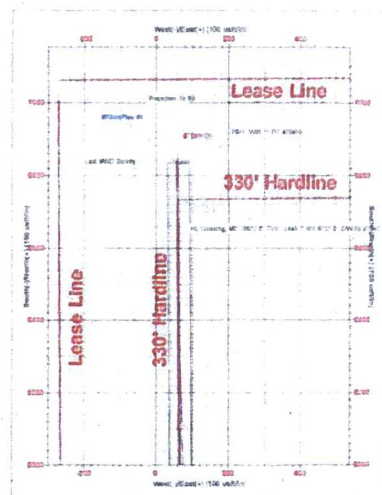
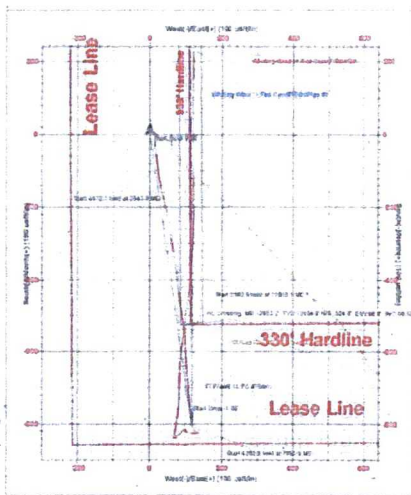
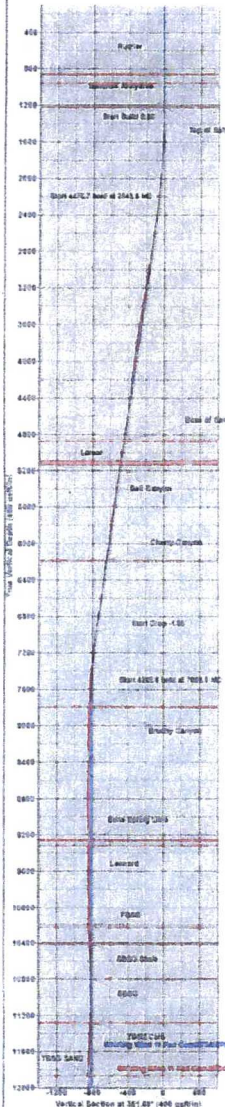
Ground Level: 3244.0  
KS + 25 @ 3379 Depth (H&P 465)  
Easting: 748199.00, 327.3 10.000 N  
Longitude: 101° 22' 30.987 W

## SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD     | +N-S   | +E-W  | Dleg  | TFace  | Vsect  | Target                |
|-----|---------|-------|--------|---------|--------|-------|-------|--------|--------|-----------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0     | 0.0    | 0.0   | 0.00  | 0.00   | 0.0    |                       |
| 2   | 1145.0  | 0.00  | 0.00   | 1145.0  | 0.0    | 0.0   | 0.00  | 0.00   | 0.0    |                       |
| 3   | 2543.8  | 8.39  | 171.69 | 2538.8  | -101.2 | 14.8  | 0.60  | 171.69 | -101.1 |                       |
| 4   | 7014.6  | 8.39  | 171.69 | 6961.7  | -746.9 | 109.1 | 0.00  | 0.00   | -745.9 |                       |
| 5   | 7853.9  | 0.00  | 0.00   | 7798.0  | -807.6 | 118.0 | 1.00  | 180.00 | -806.8 |                       |
| 6   | 12136.5 | 0.00  | 0.00   | 12080.6 | -807.6 | 118.0 | 0.00  | 0.00   | -806.5 |                       |
| 7   | 12803.1 | 90.00 | 359.58 | 12505.0 | -363.2 | 114.9 | 13.50 | 359.58 | -362.2 | TGT#1(WW 11 FC #704H) |
| 8   | 15185.6 | 90.00 | 359.58 | 12505.0 | 1999.2 | 97.5  | 0.00  | 0.00   | 2000.0 | TGT#2(WW 11 FC #704H) |
| 9   | 15193.6 | 90.16 | 359.58 | 12505.0 | 2007.2 | 97.4  | 2.00  | -0.54  | 2008.0 |                       |
| 10  | 16985.9 | 90.16 | 359.58 | 12500.0 | 3799.4 | 84.3  | 0.00  | 0.00   | 3800.0 |                       |
| 11  | 16987.3 | 90.19 | 359.58 | 12500.0 | 3800.9 | 84.3  | 2.00  | 0.01   | 3801.5 |                       |
| 12  | 20021.6 | 90.19 | 359.58 | 12490.0 | 6835.0 | 62.0  | 0.00  | 0.00   | 6835.3 | PBHL(WW 11 FC #704H)  |

## WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                  | TVD     | +N-S   | +E-W  | Northing  | Easting   | Shape                            |
|-----------------------|---------|--------|-------|-----------|-----------|----------------------------------|
| PBHL(WW 11 FC #704H)  | 12480.0 | 6835.0 | 62.0  | 380750.00 | 748261.00 | Rectangle (Sides: L.O.D. (W.D.)) |
| TGT#2(WW 11 FC #704H) | 12500.0 | 3799.4 | 84.3  | 387684.40 | 748273.27 | Point                            |
| TGT#1(WW 11 FC #704H) | 12505.0 | -363.2 | 114.9 | 383560.00 | 748306.00 | Point                            |
| TGT#1(WW 11 FC #704H) | 12505.0 | 1999.2 | 97.5  | 385084.20 | 748266.46 | Point                            |





Operator: EOG Resources  
Lease Name: Whirling Wind 11 Fed Com #704H  
Job Number: ID - 1424

Target KBTVD: 12450  
Target Angle: 89.8°  
Section Plane: 0.52°  
Declination Correction: 6.58

Survey Company: Intrepid Directional Drilling Specialists

| #      | Survey Depth | Inc. (Deg.) | Azimuth (Deg.) | Course Length | TVD (Ft.) | Vertical Section | +N/-S (Ft.) | +E/-W (Ft.) | BUR  | DLS  | KBTVD   |
|--------|--------------|-------------|----------------|---------------|-----------|------------------|-------------|-------------|------|------|---------|
| Tie In | 0            | 0.0         | 0              | 0             | 0         | 0                | 0           | 0           | 0.0  | 0.0  | 0.00    |
| MWD    | 134          | 0.3         | 34.4           | 134           | 134.0     | 0.3              | 0.3         | 0.2         | 0.2  | 0.2  | 134.00  |
| 2      | 314          | 0.3         | 110.7          | 180           | 314.0     | 0.5              | 0.5         | 0.9         | 0.0  | 0.2  | 314.00  |
| 3      | 493          | 0.8         | 82.2           | 179           | 493.0     | 0.5              | 0.5         | 2.6         | 0.3  | 0.3  | 492.99  |
| 4      | 686          | 1.3         | 80.9           | 193           | 686.0     | 1.1              | 1.0         | 6.1         | 0.3  | 0.3  | 685.95  |
| 5      | 872          | 1.1         | 73.3           | 186           | 871.9     | 2.0              | 1.9         | 9.9         | -0.1 | 0.1  | 871.91  |
| 6      | 1058         | 1.4         | 94.6           | 186           | 1057.9    | 2.3              | 2.2         | 13.8        | 0.2  | 0.3  | 1057.86 |
| 7      | 1245         | 2.0         | 194.6          | 187           | 1244.8    | -1.0             | -1.1        | 15.3        | 0.3  | 1.4  | 1244.82 |
| 8      | 1431         | 1.9         | 182.7          | 186           | 1430.7    | -7.2             | -7.3        | 14.3        | -0.1 | 0.2  | 1430.74 |
| 9      | 1619         | 3.0         | 184.0          | 188           | 1618.5    | -15.2            | -15.4       | 13.8        | 0.6  | 0.6  | 1618.59 |
| 10     | 1806         | 4.1         | 184.6          | 187           | 1805.2    | -26.8            | -26.9       | 13.0        | 0.6  | 0.6  | 1805.27 |
| 11     | 1992         | 4.6         | 170.4          | 186           | 1990.6    | -40.8            | -40.9       | 13.7        | 0.3  | 0.6  | 1990.79 |
| 12     | 2180         | 6.5         | 170.9          | 188           | 2177.8    | -58.7            | -58.8       | 16.6        | 1.0  | 1.0  | 2177.96 |
| 13     | 2367         | 7.8         | 173.5          | 187           | 2363.3    | -81.7            | -81.9       | 19.7        | 0.7  | 0.7  | 2363.58 |
| 14     | 2554         | 7.6         | 174.0          | 187           | 2548.6    | -106.6           | -106.8      | 22.5        | -0.1 | 0.1  | 2548.98 |
| 15     | 2740         | 9.5         | 167.1          | 186           | 2732.5    | -133.7           | -134.0      | 27.2        | 1.0  | 1.2  | 2733.01 |
| 16     | 2929         | 8.4         | 167.2          | 189           | 2919.2    | -162.3           | -162.7      | 33.7        | -0.6 | 0.6  | 2919.80 |
| 17     | 3116         | 9.5         | 164.2          | 187           | 3104.0    | -190.4           | -190.8      | 40.9        | 0.6  | 0.6  | 3104.62 |
| 18     | 3303         | 9.8         | 170.3          | 187           | 3288.3    | -220.9           | -221.4      | 47.8        | 0.2  | 0.6  | 3289.08 |
| 19     | 3490         | 8.7         | 169.6          | 187           | 3472.9    | -250.5           | -251.0      | 53.1        | -0.6 | 0.6  | 3473.74 |
| 20     | 3677         | 9.0         | 173.6          | 187           | 3657.6    | -278.9           | -279.4      | 57.2        | 0.2  | 0.4  | 3658.62 |
| 21     | 3865         | 8.2         | 166.3          | 188           | 3843.5    | -306.5           | -307.0      | 62.1        | -0.4 | 0.7  | 3844.60 |
| 22     | 4052         | 7.8         | 173.0          | 187           | 4028.7    | -332.0           | -332.6      | 66.8        | -0.2 | 0.5  | 4029.86 |
| 23     | 4239         | 6.7         | 169.6          | 187           | 4214.2    | -355.3           | -355.9      | 70.3        | -0.6 | 0.6  | 4215.44 |
| 24     | 4426         | 7.1         | 175.9          | 187           | 4399.8    | -377.5           | -378.2      | 73.1        | 0.2  | 0.5  | 4401.17 |
| 25     | 4613         | 8.3         | 174.3          | 187           | 4585.2    | -402.4           | -403.1      | 75.2        | 0.6  | 0.7  | 4586.56 |
| 26     | 4800         | 8.7         | 172.4          | 187           | 4770.1    | -429.9           | -430.6      | 78.5        | 0.2  | 0.3  | 4771.61 |
| 27     | 4986         | 8.6         | 169.6          | 186           | 4954.0    | -457.4           | -458.2      | 82.8        | -0.1 | 0.2  | 4955.59 |
| 28     | 5172         | 8.6         | 172.6          | 186           | 5137.9    | -484.9           | -485.7      | 87.1        | 0.0  | 0.2  | 5139.59 |
| 29     | 5357         | 8.0         | 170.5          | 185           | 5321.0    | -511.2           | -512.1      | 91.0        | -0.3 | 0.4  | 5322.74 |
| 30     | 5544         | 8.3         | 172.3          | 187           | 5506.1    | -537.4           | -538.3      | 95.0        | 0.2  | 0.2  | 5507.95 |
| 31     | 5731         | 8.3         | 175.5          | 187           | 5691.1    | -564.2           | -565.1      | 97.9        | 0.0  | 0.2  | 5693.08 |
| 32     | 5918         | 8.0         | 175.9          | 187           | 5876.2    | -590.6           | -591.6      | 99.8        | -0.2 | 0.2  | 5878.28 |
| 33     | 6105         | 7.8         | 177.0          | 187           | 6061.4    | -616.3           | -617.2      | 101.4       | -0.1 | 0.1  | 6063.60 |
| 34     | 6292         | 8.6         | 175.7          | 187           | 6246.5    | -642.9           | -643.8      | 103.2       | 0.4  | 0.4  | 6248.78 |
| 35     | 6479         | 8.9         | 175.5          | 187           | 6431.4    | -671.2           | -672.2      | 105.3       | 0.2  | 0.2  | 6433.70 |
| 36     | 6666         | 8.3         | 175.9          | 187           | 6616.3    | -699.1           | -700.1      | 107.4       | -0.3 | 0.3  | 6618.69 |
| 37     | 6854         | 8.6         | 175.2          | 188           | 6802.2    | -726.6           | -727.6      | 109.6       | 0.2  | 0.2  | 6804.75 |
| 38     | 7040         | 8.0         | 174.3          | 186           | 6986.3    | -753.3           | -754.4      | 112.0       | -0.3 | 0.3  | 6988.89 |
| 39     | 7227         | 6.8         | 173.7          | 187           | 7171.7    | -777.2           | -778.3      | 114.5       | -0.6 | 0.6  | 7174.41 |
| 40     | 7414         | 5.3         | 170.0          | 187           | 7357.6    | -796.7           | -797.8      | 117.3       | -0.8 | 0.8  | 7360.42 |
| 41     | 7601         | 3.3         | 158.2          | 187           | 7544.1    | -810.2           | -811.3      | 120.8       | -1.1 | 1.2  | 7546.91 |
| 42     | 7788         | 1.8         | 153.4          | 187           | 7730.9    | -817.8           | -819.0      | 124.1       | -0.8 | 0.8  | 7733.73 |
| 43     | 7976         | 0.9         | 136.5          | 188           | 7918.8    | -821.5           | -822.7      | 126.4       | -0.5 | -0.5 | 7921.69 |
| 44     | 8163         | 1.1         | 123.7          | 187           | 8105.8    | -823.5           | -824.7      | 128.9       | 0.1  | 0.2  | 8108.67 |
| 45     | 8350         | 1.4         | 84.0           | 187           | 8292.8    | -824.2           | -825.5      | 132.7       | 0.2  | 0.5  | 8295.63 |
| 46     | 8537         | 0.3         | 16.5           | 187           | 8479.7    | -823.5           | -824.8      | 135.1       | -0.6 | 0.7  | 8482.60 |
| 47     | 8724         | 1.3         | 233.4          | 187           | 8666.7    | -824.3           | -825.6      | 133.5       | 0.5  | 0.8  | 8669.59 |
| 48     | 8911         | 1.8         | 275.6          | 187           | 8853.6    | -825.3           | -826.5      | 128.9       | 0.3  | 0.6  | 8856.53 |
| 49     | 9098         | 1.6         | 264.6          | 187           | 9040.6    | -825.4           | -826.5      | 123.4       | -0.1 | 0.2  | 9043.44 |
| 50     | 9286         | 1.1         | 273.9          | 188           | 9228.5    | -825.5           | -826.6      | 119.0       | -0.3 | 0.3  | 9231.39 |
| 51     | 9473         | 1.1         | 280.0          | 187           | 9415.5    | -825.1           | -826.2      | 115.4       | 0.0  | 0.1  | 9418.35 |
| 52     | 9661         | 0.4         | 256.0          | 188           | 9603.5    | -825.0           | -826.0      | 113.0       | -0.4 | 0.4  | 9606.33 |
| 53     | 9846         | 1.0         | 281.8          | 185           | 9788.4    | -824.8           | -825.9      | 110.8       | 0.3  | 0.4  | 9791.32 |

Operator: EOG Resources  
Lease Name: Whirling Wind 11 Fed Com #704H  
Job Number: ID - 1424

Target KBTVD: 12450  
Target Angle: 89.8°  
Section Plane: 0.52°

Survey Company: Intrepid Directional Drilling Specialists

Declination Correction: 6.58

| #   | Survey<br>Depth | Inc.<br>(Deg.) | Azimuth<br>(Deg.) | Course<br>Length | TVD<br>(Ft.) | Vertical<br>Section | +N/-S<br>(Ft.) | +E/-W<br>(Ft.) | BUR  | DLS  | KBTVD    |
|-----|-----------------|----------------|-------------------|------------------|--------------|---------------------|----------------|----------------|------|------|----------|
| 54  | 10033           | 1.3            | 327.4             | 187              | 9975.4       | -822.7              | -823.7         | 108.0          | 0.2  | 0.5  | 9978.28  |
| 55  | 10219           | 1.9            | 267.5             | 186              | 10161.3      | -821.1              | -822.1         | 103.8          | 0.3  | 0.9  | 10164.21 |
| 56  | 10406           | 1.4            | 296.1             | 187              | 10348.3      | -820.3              | -821.2         | 98.7           | -0.3 | 0.5  | 10351.13 |
| 57  | 10499           | 1.2            | 358.9             | 93               | 10441.2      | -818.8              | -819.8         | 97.6           | -0.2 | 1.5  | 10444.10 |
| 58  | 10593           | 1.8            | 6.7               | 94               | 10535.2      | -816.4              | -817.3         | 97.8           | 0.6  | 0.7  | 10538.06 |
| 59  | 10780           | 1.2            | 323.9             | 187              | 10722.1      | -811.9              | -812.8         | 97.0           | -0.3 | 0.7  | 10724.98 |
| 60  | 10967           | 0.6            | 168.9             | 187              | 10909.1      | -811.3              | -812.2         | 96.0           | -0.3 | 0.9  | 10911.95 |
| 61  | 11154           | 1.5            | 210.8             | 187              | 11096.1      | -814.4              | -815.3         | 94.9           | 0.5  | 0.6  | 11098.93 |
| 62  | 11341           | 2.3            | 223.8             | 187              | 11283.0      | -819.2              | -820.1         | 91.1           | 0.4  | 0.5  | 11285.84 |
| 63  | 11528           | 3.5            | 216.5             | 187              | 11469.7      | -826.6              | -827.4         | 85.1           | 0.6  | 0.7  | 11472.62 |
| 64  | 11714           | 4.3            | 249.0             | 186              | 11655.3      | -833.7              | -834.4         | 75.2           | 0.4  | 1.2  | 11658.24 |
| 65  | 11759           | 3.7            | 243.4             | 45               | 11700.2      | -835.0              | -835.7         | 72.3           | -1.3 | 1.6  | 11703.13 |
| 66  | 11832           | 3.6            | 246.5             | 73               | 11773.1      | -837.0              | -837.6         | 68.1           | -0.1 | 0.3  | 11775.99 |
| 67  | 11925           | 1.6            | 48.0              | 93               | 11866.0      | -837.3              | -837.9         | 66.4           | -2.2 | 5.5  | 11868.88 |
| 68  | 12019           | 0.9            | 193.3             | 94               | 11959.9      | -837.1              | -837.8         | 67.2           | -0.7 | 2.5  | 11962.86 |
| 69  | 12117           | 1.2            | 2.8               | 98               | 12057.9      | -836.9              | -837.5         | 67.1           | 0.3  | 2.1  | 12060.85 |
| 70  | 12161           | 8.2            | 6.9               | 44               | 12101.8      | -833.3              | -833.9         | 67.5           | 15.9 | 15.9 | 12104.66 |
| 71  | 12208           | 15.1           | 11.6              | 47               | 12147.8      | -823.9              | -824.6         | 69.1           | 14.7 | 14.8 | 12150.64 |
| 72  | 12255           | 23.1           | 8.9               | 47               | 12192.1      | -808.8              | -809.5         | 71.8           | 17.0 | 17.1 | 12194.96 |
| 73  | 12302           | 30.1           | 8.8               | 47               | 12234.1      | -788.0              | -788.7         | 75.0           | 14.9 | 14.9 | 12236.89 |
| 74  | 12349           | 35.6           | 7.5               | 47               | 12273.6      | -762.7              | -763.4         | 78.6           | 11.7 | 11.8 | 12276.27 |
| 75  | 12393           | 42.9           | 2.9               | 44               | 12307.7      | -735.0              | -735.8         | 81.1           | 16.6 | 17.9 | 12310.23 |
| 76  | 12440           | 48.0           | 0.9               | 47               | 12340.6      | -701.5              | -702.3         | 82.1           | 10.9 | 11.3 | 12343.08 |
| 77  | 12486           | 48.4           | 0.7               | 46               | 12371.3      | -667.2              | -668.0         | 82.6           | 0.9  | 0.9  | 12373.62 |
| 78  | 12533           | 55.6           | 3.3               | 47               | 12400.2      | -630.2              | -631.0         | 84.0           | 15.3 | 15.9 | 12402.41 |
| 79  | 12580           | 63.0           | 6.9               | 47               | 12424.2      | -590.0              | -590.8         | 87.6           | 15.7 | 17.1 | 12426.25 |
| 80  | 12627           | 66.5           | 8.5               | 47               | 12444.2      | -547.8              | -548.7         | 93.3           | 7.4  | 8.1  | 12446.15 |
| 81  | 12673           | 66.5           | 8.3               | 46               | 12462.6      | -506.0              | -507.0         | 99.5           | 0.0  | 0.4  | 12464.35 |
| 82  | 12720           | 74.3           | 6.9               | 47               | 12478.3      | -462.1              | -463.1         | 105.3          | 16.6 | 16.8 | 12479.95 |
| 83  | 12765           | 81.9           | 5.2               | 45               | 12487.6      | -418.3              | -419.4         | 109.9          | 16.9 | 17.3 | 12489.07 |
| 84  | 12867           | 90.6           | 1.7               | 102              | 12494.3      | -316.8              | -317.9         | 116.0          | 8.5  | 9.2  | 12495.38 |
| 85  | 12960           | 91.7           | 1.2               | 93               | 12492.4      | -223.8              | -224.9         | 118.4          | 1.2  | 1.3  | 12493.19 |
| 86  | 13053           | 91.2           | 0.3               | 93               | 12490.1      | -130.9              | -132.0         | 119.6          | -0.5 | 1.1  | 12490.51 |
| 87  | 13147           | 90.8           | 359.9             | 94               | 12488.4      | -36.9               | -38.0          | 119.8          | -0.4 | 0.6  | 12488.54 |
| 88  | 13240           | 90.4           | 359.7             | 93               | 12487.4      | 56.1                | 55.0           | 119.4          | -0.4 | 0.5  | 12487.25 |
| 89  | 13334           | 89.3           | 359.9             | 94               | 12487.7      | 150.1               | 149.0          | 119.1          | -1.2 | 1.2  | 12487.16 |
| 90  | 13427           | 90.9           | 1.7               | 93               | 12487.5      | 243.1               | 242.0          | 120.4          | 1.7  | 2.6  | 12486.68 |
| 91  | 13520           | 88.5           | 359.9             | 93               | 12488.0      | 336.0               | 335.0          | 121.7          | -2.6 | 3.2  | 12486.84 |
| 92  | 13614           | 89.0           | 359.6             | 94               | 12490.1      | 430.0               | 428.9          | 121.3          | 0.5  | 0.6  | 12488.56 |
| 93  | 13707           | 90.5           | 1.1               | 93               | 12490.5      | 523.0               | 521.9          | 121.9          | 1.6  | 2.3  | 12488.64 |
| 94  | 13801           | 89.3           | 359.8             | 94               | 12490.6      | 617.0               | 615.9          | 122.6          | -1.3 | 1.9  | 12488.48 |
| 95  | 13894           | 91.3           | 0.5               | 93               | 12490.1      | 710.0               | 708.9          | 122.8          | 2.2  | 2.3  | 12487.67 |
| 96  | 13988           | 89.4           | 357.7             | 94               | 12489.6      | 803.9               | 802.8          | 121.4          | -2.0 | 3.6  | 12486.77 |
| 97  | 14082           | 89.0           | 355.4             | 94               | 12490.9      | 897.7               | 896.7          | 115.7          | -0.4 | 2.5  | 12487.75 |
| 98  | 14176           | 91.4           | 357.1             | 94               | 12490.6      | 991.4               | 990.4          | 109.6          | 2.6  | 3.1  | 12487.10 |
| 99  | 14269           | 93.0           | 358.2             | 93               | 12487.0      | 1084.2              | 1083.3         | 105.8          | 1.7  | 2.1  | 12483.20 |
| 100 | 14363           | 92.7           | 358.8             | 94               | 12482.3      | 1178.0              | 1177.1         | 103.3          | -0.3 | 0.7  | 12478.20 |
| 101 | 14457           | 89.7           | 358.8             | 94               | 12480.3      | 1271.9              | 1271.1         | 101.3          | -3.2 | 3.2  | 12475.90 |
| 102 | 14583           | 88.2           | 358.8             | 126              | 12482.7      | 1397.8              | 1397.0         | 98.7           | -1.2 | 1.2  | 12477.77 |
| 103 | 14677           | 88.4           | 359.0             | 94               | 12485.4      | 1491.8              | 1490.9         | 96.9           | 0.2  | 0.3  | 12480.23 |
| 104 | 14770           | 89.3           | 0.1               | 93               | 12487.3      | 1584.7              | 1583.9         | 96.2           | 1.0  | 1.5  | 12481.78 |
| 105 | 14864           | 91.0           | 1.4               | 94               | 12487.1      | 1678.7              | 1677.9         | 97.4           | 1.8  | 2.3  | 12481.20 |
| 106 | 14958           | 88.1           | 359.6             | 94               | 12487.8      | 1772.7              | 1771.9         | 98.2           | -3.1 | 3.6  | 12481.61 |
| 107 | 15052           | 88.6           | 359.6             | 94               | 12490.5      | 1866.6              | 1865.8         | 97.5           | 0.5  | 0.5  | 12483.99 |
| 108 | 15145           | 89.4           | 0.6               | 93               | 12492.1      | 1959.6              | 1958.8         | 97.7           | 0.9  | 1.4  | 12485.29 |
| 109 | 15239           | 89.5           | 0.2               | 94               | 12493.0      | 2053.6              | 2052.8         | 98.4           | 0.1  | 0.4  | 12485.86 |
| 110 | 15334           | 91.2           | 1.0               | 95               | 12492.5      | 2148.6              | 2147.8         | 99.4           | 1.8  | 2.0  | 12484.95 |

Operator: EOG Resources  
 Lease Name: Whirling Wind 11 Fed Com #704H  
 Job Number: ID - 1424

Target KBTVD: 12450  
 Target Angle: 89.8°  
 Section Plane: 0.52°

Survey Company: Intrepid Directional Drilling Specialists

Declination Correction: 6.58

| #   | Survey<br>Depth | Inc.<br>(Deg.) | Azimuth<br>(Deg.) | Course<br>Length | TVD<br>(Ft.) | Vertical<br>Section | +N/-S<br>(Ft.) | +E/-W<br>(Ft.) | BUR  | DLS | KBTVD    |
|-----|-----------------|----------------|-------------------|------------------|--------------|---------------------|----------------|----------------|------|-----|----------|
| 111 | 15427           | 88.4           | 359.6             | 93               | 12492.8      | 2241.6              | 2240.7         | 99.8           | -3.0 | 3.4 | 12484.95 |
| 112 | 15520           | 90.8           | 359.9             | 93               | 12493.4      | 2334.5              | 2333.7         | 99.4           | 2.6  | 2.6 | 12485.28 |
| 113 | 15614           | 90.7           | 358.4             | 94               | 12492.2      | 2428.5              | 2427.7         | 98.0           | -0.1 | 1.6 | 12483.72 |
| 114 | 15708           | 91.3           | 359.3             | 94               | 12490.6      | 2522.4              | 2521.7         | 96.2           | 0.6  | 1.2 | 12481.75 |
| 115 | 15801           | 89.6           | 356.5             | 93               | 12489.8      | 2615.3              | 2614.6         | 92.8           | -1.8 | 3.5 | 12480.70 |
| 116 | 15896           | 88.9           | 356.5             | 95               | 12491.1      | 2710.1              | 2709.4         | 87.0           | -0.7 | 0.7 | 12481.61 |
| 117 | 15990           | 93.5           | 358.3             | 94               | 12489.1      | 2803.9              | 2803.2         | 82.7           | 4.9  | 5.3 | 12479.31 |
| 118 | 16083           | 92.0           | 358.8             | 93               | 12484.6      | 2896.7              | 2896.1         | 80.3           | -1.6 | 1.7 | 12474.53 |
| 119 | 16177           | 88.8           | 357.4             | 94               | 12484.0      | 2990.6              | 2990.0         | 77.2           | -3.4 | 3.7 | 12473.54 |
| 120 | 16271           | 89.5           | 358.9             | 94               | 12485.4      | 3084.5              | 3083.9         | 74.2           | 0.7  | 1.8 | 12474.61 |
| 121 | 16363           | 93.1           | 0.1               | 92               | 12483.3      | 3176.4              | 3175.9         | 73.4           | 3.9  | 4.1 | 12472.20 |
| 122 | 16457           | 90.6           | 0.1               | 94               | 12480.3      | 3270.4              | 3269.8         | 73.6           | -2.7 | 2.7 | 12468.84 |
| 123 | 16552           | 89.6           | 359.5             | 95               | 12480.1      | 3365.3              | 3364.8         | 73.2           | -1.1 | 1.2 | 12468.34 |
| 124 | 16646           | 93.0           | 1.7               | 94               | 12478.0      | 3459.3              | 3458.8         | 74.2           | 3.6  | 4.3 | 12465.88 |
| 125 | 16740           | 93.1           | 1.2               | 94               | 12473.0      | 3553.1              | 3552.6         | 76.6           | 0.1  | 0.5 | 12460.55 |
| 126 | 16834           | 91.8           | 1.1               | 94               | 12468.9      | 3647.1              | 3646.5         | 78.5           | -1.4 | 1.4 | 12456.21 |
| 127 | 16928           | 90.0           | 360               | 94               | 12467.5      | 3741.0              | 3740.5         | 79.4           | -1.9 | 2.2 | 12454.40 |
| 128 | 17021           | 90.2           | 359.8             | 93               | 12467.3      | 3834.0              | 3833.5         | 79.2           | 0.2  | 0.3 | 12453.92 |
| 129 | 17115           | 89.7           | 359.8             | 94               | 12467.4      | 3928.0              | 3927.5         | 78.9           | -0.5 | 0.5 | 12453.67 |
| 130 | 17210           | 89.5           | 359.5             | 95               | 12468.0      | 4023.0              | 4022.5         | 78.3           | -0.2 | 0.4 | 12454.00 |
| 131 | 17304           | 90.4           | 359.9             | 94               | 12468.1      | 4117.0              | 4116.4         | 77.8           | 1.0  | 1.0 | 12453.76 |
| 132 | 17397           | 88.7           | 359.1             | 93               | 12468.9      | 4210.0              | 4209.4         | 77.0           | -1.8 | 2.0 | 12454.16 |
| 133 | 17493           | 90.4           | 1.6               | 96               | 12469.6      | 4305.9              | 4305.4         | 77.6           | 1.8  | 3.1 | 12454.58 |
| 134 | 17588           | 91.6           | 1.8               | 95               | 12468.0      | 4400.9              | 4400.4         | 80.4           | 1.3  | 1.3 | 12452.59 |
| 135 | 17681           | 91.4           | 2.3               | 93               | 12465.5      | 4493.8              | 4493.3         | 83.7           | -0.2 | 0.6 | 12449.83 |
| 136 | 17775           | 92.6           | 3.0               | 94               | 12462.2      | 4587.7              | 4587.1         | 88.1           | 1.3  | 1.5 | 12446.22 |
| 137 | 17869           | 91.8           | 1.6               | 94               | 12458.6      | 4681.6              | 4680.9         | 91.8           | -0.9 | 1.7 | 12442.29 |
| 138 | 17962           | 90.7           | 0.3               | 93               | 12456.6      | 4774.6              | 4773.9         | 93.4           | -1.2 | 1.8 | 12439.93 |
| 139 | 18056           | 90.0           | 0.8               | 94               | 12456.0      | 4868.5              | 4867.9         | 94.3           | -0.7 | 0.9 | 12439.03 |
| 140 | 18151           | 89.6           | 1.0               | 95               | 12456.4      | 4963.5              | 4962.9         | 95.8           | -0.4 | 0.5 | 12439.03 |
| 141 | 18245           | 93.0           | 1.6               | 94               | 12454.2      | 5057.5              | 5056.8         | 97.9           | 3.6  | 3.7 | 12436.57 |
| 142 | 18339           | 92.7           | 359.9             | 94               | 12449.6      | 5151.4              | 5150.7         | 99.1           | -0.3 | 1.8 | 12431.57 |
| 143 | 18433           | 88.9           | 359.3             | 94               | 12448.2      | 5245.3              | 5244.6         | 98.5           | -4.0 | 4.1 | 12429.93 |
| 144 | 18526           | 88.0           | 358.8             | 93               | 12450.8      | 5338.2              | 5337.6         | 96.9           | -1.0 | 1.1 | 12432.12 |
| 145 | 18620           | 89.7           | 359.0             | 94               | 12452.6      | 5432.2              | 5431.5         | 95.1           | 1.8  | 1.8 | 12433.68 |
| 146 | 18713           | 88.2           | 357.1             | 93               | 12454.3      | 5525.0              | 5524.4         | 92.0           | -1.6 | 2.6 | 12435.06 |
| 147 | 18807           | 88.7           | 356.7             | 94               | 12456.9      | 5618.8              | 5618.3         | 86.9           | 0.5  | 0.7 | 12437.28 |
| 148 | 18900           | 91.7           | 358.1             | 93               | 12456.6      | 5711.7              | 5711.2         | 82.7           | 3.2  | 3.6 | 12436.63 |
| 149 | 18993           | 91.9           | 358.0             | 93               | 12453.6      | 5804.5              | 5804.1         | 79.5           | 0.2  | 0.2 | 12433.38 |
| 150 | 19087           | 91.6           | 358.4             | 94               | 12450.8      | 5898.4              | 5898.0         | 76.6           | -0.3 | 0.5 | 12430.18 |
| 151 | 19182           | 91.0           | 359.4             | 95               | 12448.6      | 5993.4              | 5992.9         | 74.7           | -0.6 | 1.2 | 12427.70 |
| 152 | 19275           | 90.2           | 358.8             | 93               | 12447.6      | 6086.3              | 6085.9         | 73.3           | -0.9 | 1.1 | 12426.40 |
| 153 | 19369           | 89.8           | 357.7             | 94               | 12447.6      | 6180.2              | 6179.9         | 70.4           | -0.4 | 1.2 | 12426.07 |
| 154 | 19463           | 88.5           | 357.9             | 94               | 12449.0      | 6274.1              | 6273.8         | 66.8           | -1.4 | 1.4 | 12427.14 |
| 155 | 19557           | 89.0           | 358.1             | 94               | 12451.1      | 6368.0              | 6367.7         | 63.5           | 0.5  | 0.6 | 12428.86 |
| 156 | 19651           | 90.9           | 359.2             | 94               | 12451.2      | 6461.9              | 6461.7         | 61.3           | 2.0  | 2.3 | 12428.61 |
| 157 | 19745           | 90.0           | 359.4             | 94               | 12450.4      | 6555.9              | 6555.6         | 60.1           | -1.0 | 1.0 | 12427.55 |
| 158 | 19839           | 89.8           | 359.7             | 94               | 12450.6      | 6649.9              | 6649.6         | 59.4           | -0.2 | 0.4 | 12427.38 |
| 159 | 19932           | 92.0           | 359.6             | 93               | 12449.1      | 6742.9              | 6742.6         | 58.8           | 2.4  | 2.4 | 12425.60 |
| 160 | 19979           | 91.0           | 359.0             | 47               | 12447.9      | 6789.8              | 6789.6         | 58.3           | -2.1 | 2.5 | 12424.20 |
| TD  | 20034           | 91.0           | 359.0             | 55               | 12446.9      | 6844.8              | 6844.6         | 57.3           | 0.0  | 0.0 | 12423.05 |