

## 28b Production - Interval C

| Date First Produced | Test Date         | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity   | Gas Gravity | Production Method |
|---------------------|-------------------|--------------|-------------------|---------|---------|-----------|---------------|-------------|-------------------|
| Choke Size          | Tbg Press Flwg SI | Csg Press    | 24 Hr →           | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio | Well Status |                   |

## 28c Production-Interval D

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|---------------------|-------------------|--------------|-------------------|---------|---------|-----------|---------------|-------------|-------------------|
| Choke Size          | Tbg Press Flwg SI | Csg Press    | 24 Hr →           | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio | Well Status |                   |

29 Disposition of Gas (Sold, used for fuel, vented, etc )

## 30 Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name        | Top        |
|-----------|-----|--------|------------------------------|-------------|------------|
|           |     |        |                              |             | Meas Depth |
|           |     |        |                              | Bone Spring | 5975'      |
|           |     |        |                              | Wolfcamp    | 6443'      |
|           |     |        |                              | Penn        | 7393'      |
|           |     |        |                              | Morrow      | 8800'      |

32 Additional remarks (include plugging procedure):

## 33 Circle enclosed attachments

- 1 Electrical Mechanical Logs (1 full set req'd)    2 Geologic Report    3 DST Report    4 Directional Survey  
5 Sundry Notice for plugging and cement verification    6 Core Analysis    7 Other

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) David StewartTitle Sr. Regulatory AnalystSignature Date 11/12/07

## DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

1220 S. ST FRANCIS DR., SANTA FE, NM 87505

## State of New Mexico

Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

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Fee Lease - 3 Copies

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

|                            |                                          |                                           |
|----------------------------|------------------------------------------|-------------------------------------------|
| API Number<br>30-015-34025 | Pool Code<br>78960                       | Pool Name<br>Indian Basin Morrow Gas Pool |
| Property Code              | Property Name<br>INDIAN BASIN 25 FEDERAL | Well Number<br>2                          |
| OGRID No.<br>192463        | Operator Name<br>OXY USA WTP LP          | Elevation<br>3798'                        |

## Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0             | 25      | 21-S     | 23-E  |         | 1075          | SOUTH            | 2025          | EAST           | EDDY   |

## Bottom Hole Location If Different From Surface

| UL or lot No.          | Section              | Township           | Range     | Lot Idn | Feet from the      | North/South line | Feet from the        | East/West line | County |
|------------------------|----------------------|--------------------|-----------|---------|--------------------|------------------|----------------------|----------------|--------|
| 0                      | 25                   | 21S                | 23E       |         | 660 <del>661</del> | South            | 2055 <del>2058</del> | East           | Eddy   |
| Dedicated Acres<br>320 | Joint or Infill<br>Y | Consolidation Code | Order No. |         |                    |                  |                      |                |        |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>GEODETIC COORDINATES<br/>NAD 27 NME</p> <p>Y=55763.7 N<br/>X=432111.5 E</p> <p>LAT.=32.445245° N<br/>LONG.=104.553402° W</p> <p>1806'</p> <p>1404'</p> <p>1409'</p> <p>2025'</p> <p>2055'</p> <p>1075'</p> |  | <b>OPERATOR CERTIFICATION</b><br>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.<br><br>Signature Date<br>David Stewart-Sr. Reg Analyst<br>Printed Name |  |
|                                                                                                                                                                                                               |  | <b>SURVEYOR CERTIFICATION</b><br>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.<br>JUNE 21, 2006<br>Date Surveyed MR<br>Signature & Seal of Professional Surveyor<br><br>06.11.1067<br>Certificate No. GARY EIDSON 12841<br>RONALD J. EIDSON 3239                                                                                                                                                                                    |  |
|                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |

# Survey Report

|                                                                                     |                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Report Date:</b> March 23, 2007                                                  | <b>Survey / DLS Computation Method:</b> Minimum Curvature / Lubinski |
| <b>Client:</b> OXY                                                                  | <b>Vertical Section Azimuth:</b> 184 130°                            |
| <b>Field:</b> Eddy County, NM                                                       | <b>Vertical Section Origin:</b> N 0 000 ft, E 0 000 ft               |
| <b>Structure / Slot:</b> Indian Basin 25 Federal #F-2 / OXY                         | <b>TVD Reference Datum:</b> RKB                                      |
| <b>Well:</b> Indian Basin 25 Federal # F-2                                          | <b>TVD Reference Elevation:</b> 0 0 ft relative to                   |
| <b>Borehole:</b> Indian Basin 25 Federal #F-2                                       | <b>Sea Bed / Ground Level Elevation:</b> 0 000 ft relative to        |
| <b>UWI/API#:</b>                                                                    | <b>Magnetic Declination:</b> 8 547°                                  |
| <b>Survey Name / Date:</b> Indian Basin 25 Federal #F-2_surveys / February 19, 2007 | <b>Total Field Strength:</b> 49111 515 nT                            |
| <b>Tort / AHD / DDI / ERD ratio:</b> 62 116° / 460 99 ft / 4 459 / 0 048            | <b>Magnetic Dip:</b> 60 326°                                         |
| <b>Grid Coordinate System:</b> NAD27 New Mexico State Planes, Eastern Zone, US Feet | <b>Declination Date:</b> February 19, 2007                           |
| <b>Location Lat/Long:</b> N 32 26 42 882, W 104 33 12 244                           | <b>Magnetic Declination Model:</b> IGRF 2005                         |
| <b>Location Grid N/E Y/X:</b> N 525763 700 ftUS, E 432111 800 ftUS                  | <b>North Reference:</b> Grd North                                    |
| <b>Grid Convergence Angle:</b> -0 11806532°                                         | <b>Total Corr Mag North -&gt; Grd North:</b> +8 665°                 |
| <b>Grd Scale Factor:</b> 0 99991437                                                 | <b>Local Coordinates Referenced To:</b> Well Head                    |

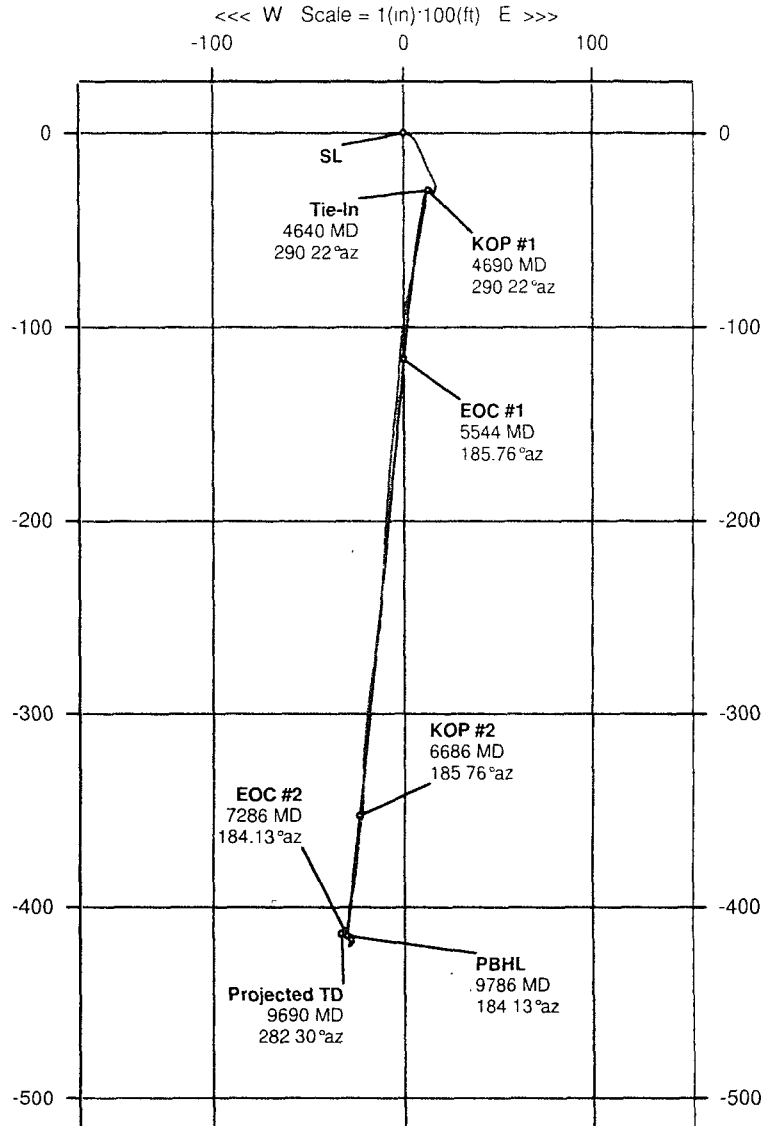
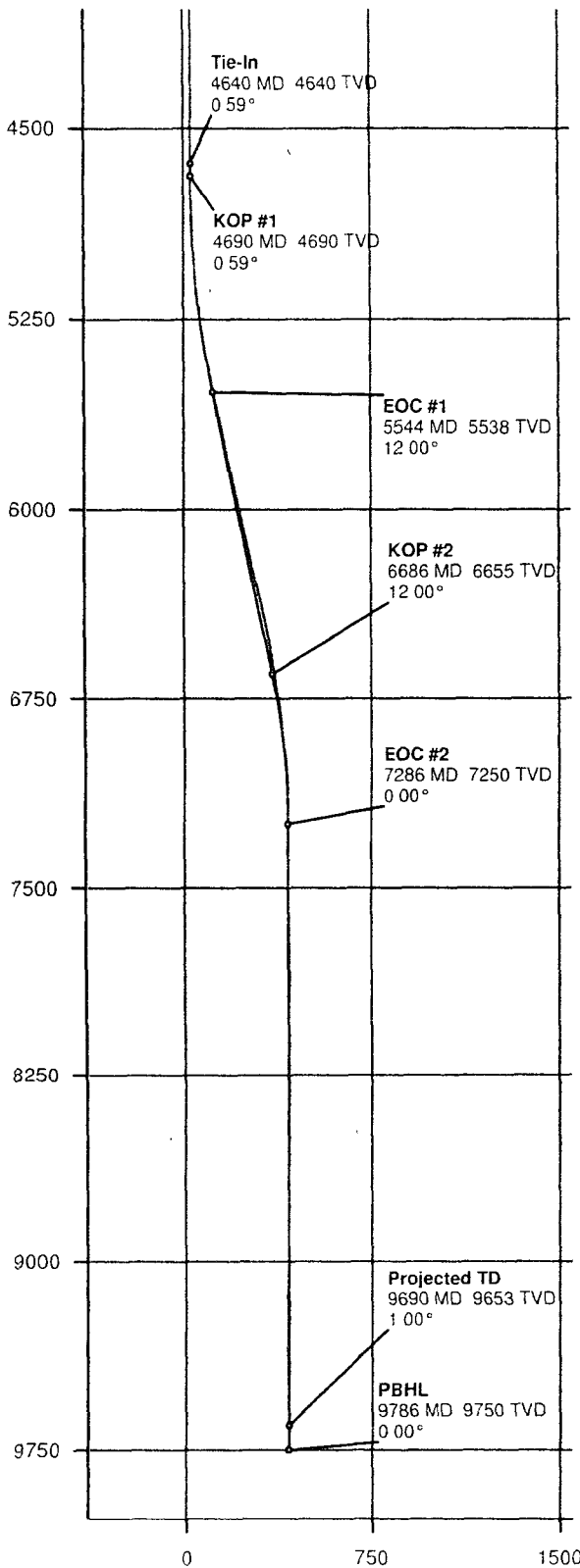
| Comments | Measured Depth<br>(ft) | Inclination<br>(deg) | Azimuth<br>(deg) | TVD<br>(ft) | Vertical Section<br>(ft) | NS<br>(ft) | EW<br>(ft) | Closure<br>(ft) | Closure Azimuth<br>(deg) | DLS<br>(deg/100 ft) | Mag / Grav Tool Face<br>(deg) | Build Rate<br>(deg/100 ft) |
|----------|------------------------|----------------------|------------------|-------------|--------------------------|------------|------------|-----------------|--------------------------|---------------------|-------------------------------|----------------------------|
| ie-in    | 4640.00                | 0.59                 | 290.22           | 4639.76     | 28.64                    | -29.71     | 13.68      | 32.70           | 155.28                   | 0.03                | 280.50M                       | -0.03                      |
|          | 4655.00                | 0.80                 | 280.50           | 4654.76     | 28.61                    | -29.66     | 13.50      | 32.59           | 155.53                   | 1.60                | 244.70M                       | 1.41                       |
|          | 4686.00                | 0.70                 | 244.70           | 4685.76     | 28.68                    | -29.70     | 13.12      | 32.47           | 156.17                   | 1.52                | 230.70M                       | -0.33                      |
|          | 4718.00                | 0.80                 | 230.70           | 4717.76     | 28.93                    | -29.93     | 12.77      | 32.54           | 156.90                   | 0.65                | 205.10M                       | 0.33                       |
|          | 4750.00                | 1.50                 | 205.10           | 4749.75     | 29.47                    | -30.45     | 12.42      | 32.88           | 157.81                   | 2.66                | 188.10M                       | 2.13                       |
|          | 4781.00                | 1.90                 | 188.10           | 4780.74     | 30.37                    | -31.32     | 12.17      | 33.61           | 158.76                   | 2.06                | 186.70M                       | 1.23                       |
|          | 4813.00                | 2.50                 | 186.70           | 4812.71     | 31.59                    | -32.54     | 12.02      | 34.69           | 159.73                   | 1.88                | 181.70M                       | 1.81                       |
|          | 4845.00                | 2.80                 | 181.70           | 4844.68     | 33.07                    | -34.02     | 11.91      | 36.04           | 160.70                   | 1.18                | 184.70M                       | 0.93                       |
|          | 4876.00                | 2.80                 | 184.70           | 4875.64     | 34.58                    | -35.53     | 11.83      | 37.45           | 161.59                   | 0.47                | 191.60M                       | 0.00                       |
|          | 4908.00                | 2.70                 | 191.60           | 4907.61     | 36.11                    | -37.05     | 11.61      | 38.82           | 162.60                   | 1.08                | 191.20M                       | -0.33                      |
|          | 4940.00                | 2.90                 | 191.20           | 4939.57     | 37.66                    | -38.58     | 11.30      | 40.20           | 163.67                   | 0.63                | 195.00M                       | 0.63                       |
|          | 4972.00                | 3.20                 | 195.00           | 4971.52     | 39.34                    | -40.23     | 10.91      | 41.69           | 164.82                   | 1.13                | 195.50M                       | 0.93                       |
|          | 5003.00                | 3.40                 | 195.50           | 5002.47     | 41.10                    | -41.96     | 10.44      | 43.24           | 166.02                   | 0.65                | 191.20M                       | 0.63                       |
|          | 5036.00                | 3.60                 | 191.20           | 5035.41     | 43.08                    | -43.92     | 9.98       | 45.04           | 167.19                   | 1.00                | 189.50M                       | 0.63                       |
|          | 5067.00                | 4.20                 | 189.50           | 5066.34     | 45.18                    | -45.99     | 9.61       | 46.98           | 168.20                   | 1.97                | 187.60M                       | 1.93                       |
|          | 5099.00                | 5.10                 | 187.60           | 5098.23     | 47.77                    | -48.56     | 9.22       | 49.42           | 169.24                   | 2.85                | 7.41R                         | 2.83                       |
|          | 5131.00                | 5.80                 | 188.50           | 5130.09     | 50.80                    | -51.56     | 8.80       | 52.31           | 170.32                   | 2.20                | 25.13R                        | 2.13                       |
|          | 5162.00                | 6.40                 | 191.00           | 5160.91     | 54.07                    | -54.81     | 8.24       | 55.43           | 171.45                   | 2.12                | 4.84L                         | 1.93                       |
|          | 5194.00                | 7.30                 | 190.40           | 5192.68     | 57.87                    | -58.56     | 7.53       | 59.04           | 172.67                   | 2.82                | HS                            | 2.83                       |
|          | 5226.00                | 7.80                 | 190.40           | 5224.41     | 62.05                    | -62.70     | 6.77       | 63.06           | 173.84                   | 1.56                | 28.41R                        | 1.53                       |
|          | 5258.00                | 8.40                 | 192.60           | 5256.09     | 66.52                    | -67.11     | 5.87       | 67.37           | 175.00                   | 2.11                | 17.62L                        | 1.83                       |
|          | 5289.00                | 9.10                 | 191.20           | 5286.73     | 71.19                    | -71.73     | 4.90       | 71.89           | 176.09                   | 2.36                | 1.91R                         | 2.23                       |
|          | 5321.00                | 9.60                 | 191.30           | 5318.30     | 76.35                    | -76.83     | 3.88       | 76.92           | 177.11                   | 1.56                | 9.95R                         | 1.53                       |
|          | 5353.00                | 10.10                | 191.80           | 5349.83     | 81.78                    | -82.19     | 2.79       | 82.24           | 178.06                   | 1.59                | 20.63L                        | 1.53                       |
|          | 5384.00                | 10.80                | 190.40           | 5380.31     | 87.36                    | -87.71     | 1.71       | 87.72           | 178.89                   | 2.40                | 37.50L                        | 2.23                       |
|          | 5416.00                | 11.00                | 189.60           | 5411.74     | 93.38                    | -93.67     | 0.66       | 93.67           | 179.60                   | 0.78                | 22.36L                        | 0.63                       |
|          | 5448.00                | 11.80                | 188.00           | 5443.11     | 99.68                    | -99.92     | -0.31      | 99.92           | 180.18                   | 2.69                | 46.73L                        | 2.53                       |
|          | 5479.00                | 12.10                | 186.50           | 5473.43     | 106.09                   | -106.28    | -1.12      | 106.29          | 180.60                   | 1.39                | 39.35L                        | 0.93                       |
|          | 5511.00                | 12.50                | 185.00           | 5504.70     | 112.90                   | -113.07    | -1.80      | 113.08          | 180.91                   | 1.60                | 55.44L                        | 1.23                       |
|          | 5543.00                | 12.70                | 183.70           | 5535.93     | 119.88                   | -120.03    | -2.33      | 120.05          | 181.11                   | 1.08                | 90.00R                        | 0.63                       |
|          | 5574.00                | 12.70                | 184.80           | 5566.17     | 126.70                   | -126.82    | -2.83      | 126.85          | 181.28                   | 0.78                | 90.00L                        | 0.00                       |
|          | 5606.00                | 12.70                | 184.70           | 5597.39     | 133.73                   | -133.83    | -3.42      | 133.88          | 181.46                   | 0.07                | 123.90R                       | 0.00                       |
|          | 5638.00                | 12.50                | 186.10           | 5628.62     | 140.71                   | -140.78    | -4.07      | 140.84          | 181.66                   | 1.14                | 113.40R                       | -0.63                      |
|          | 5669.00                | 12.40                | 187.20           | 5658.89     | 147.39                   | -147.42    | -4.85      | 147.50          | 181.88                   | 0.83                | 90.00L                        | -0.33                      |
|          | 5701.00                | 12.40                | 186.70           | 5690.14     | 154.25                   | -154.24    | -5.68      | 154.35          | 182.11                   | 0.34                | 90.00L                        | 0.00                       |
|          | 5733.00                | 12.40                | 186.00           | 5721.39     | 161.12                   | -161.07    | -6.44      | 161.20          | 182.29                   | 0.47                | 74.62L                        | 0.00                       |
|          | 5764.00                | 12.50                | 184.40           | 5751.67     | 167.80                   | -167.73    | -7.04      | 167.87          | 182.40                   | 1.16                | 90.00R                        | 0.33                       |
|          | 5796.00                | 12.50                | 184.90           | 5782.91     | 174.72                   | -174.63    | -7.60      | 174.79          | 182.49                   | 0.34                | 90.00R                        | 0.00                       |

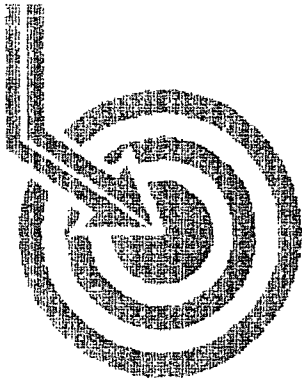
| Comments | Measured Depth<br>(ft) | Inclination<br>(deg) | Azimuth<br>(deg) | TVD<br>(ft) | Vertical Section<br>(ft) | NS<br>(ft) | EW<br>(ft) | Closure<br>(ft) | Closure Azimuth<br>(deg) | DLS<br>(deg/100 ft) | Mag / Grav Tool Face<br>(deg) | Build Rate<br>(deg/100 ft) |
|----------|------------------------|----------------------|------------------|-------------|--------------------------|------------|------------|-----------------|--------------------------|---------------------|-------------------------------|----------------------------|
|          | 5828.00                | 12.50                | 185.00           | 5814.15     | 181.65                   | -181.53    | -8.20      | 181.71          | 182.59                   | 0.07                | 44.91L                        | 0.00                       |
|          | 5891.00                | 12.70                | 184.10           | 5875.63     | 195.39                   | -195.23    | -9.29      | 195.45          | 182.72                   | 0.44                | 12.59L                        | 0.30                       |
|          | 5954.00                | 12.90                | 183.90           | 5937.07     | 209.35                   | -209.15    | -10.26     | 209.40          | 182.81                   | 0.33                | 24.42L                        | 0.30                       |
|          | 6018.00                | 13.10                | 183.50           | 5999.43     | 223.74                   | -223.52    | -11.19     | 223.80          | 182.87                   | 0.34                | 122.66L                       | 0.30                       |
|          | 6081.00                | 13.00                | 182.80           | 6060.80     | 237.97                   | -237.72    | -11.97     | 238.02          | 182.88                   | 0.30                | 125.08R                       | -0.10                      |
|          | 6144.00                | 12.60                | 185.50           | 6122.23     | 251.92                   | -251.64    | -12.98     | 251.97          | 182.95                   | 1.14                | 84.77R                        | -0.60                      |
|          | 6208.00                | 12.70                | 189.20           | 6184.68     | 265.91                   | -265.53    | -14.77     | 265.94          | 183.18                   | 1.28                | 16.63L                        | 0.10                       |
|          | 6271.00                | 13.40                | 188.30           | 6246.05     | 280.09                   | -279.59    | -16.93     | 280.11          | 183.47                   | 1.16                | 42.14L                        | 1.10                       |
|          | 6334.00                | 13.80                | 186.80           | 6307.29     | 294.87                   | -294.28    | -18.88     | 294.88          | 183.67                   | 0.85                | 152.10L                       | 0.60                       |
|          | 6397.00                | 13.20                | 185.40           | 6368.55     | 309.57                   | -308.90    | -20.44     | 309.58          | 183.79                   | 1.08                | 160.66L                       | -0.90                      |
|          | 6429.00                | 12.70                | 184.60           | 6399.73     | 316.74                   | -316.04    | -21.07     | 316.74          | 183.81                   | 1.66                | 152.50L                       | -1.50                      |
|          | 6461.00                | 12.10                | 183.10           | 6430.99     | 323.61                   | -322.90    | -21.53     | 323.62          | 183.82                   | 2.13                | 163.67L                       | -1.80                      |
|          | 6493.00                | 11.30                | 181.90           | 6462.32     | 330.10                   | -329.38    | -21.82     | 330.10          | 183.79                   | 2.61                | 167.33L                       | -2.50                      |
|          | 6524.00                | 10.20                | 180.50           | 6492.78     | 335.87                   | -335.16    | -21.94     | 335.88          | 183.75                   | 3.65                | 170.83R                       | -3.50                      |
|          | 6556.00                | 9.30                 | 181.40           | 6524.31     | 341.28                   | -340.58    | -22.03     | 341.29          | 183.70                   | 2.85                | 152.57R                       | -2.80                      |
|          | 6588.00                | 9.00                 | 182.40           | 6555.91     | 346.37                   | -345.67    | -22.20     | 346.38          | 183.67                   | 1.06                | 90.00R                        | -0.90                      |
|          | 6619.00                | 9.00                 | 184.80           | 6586.52     | 351.21                   | -350.50    | -22.50     | 351.23          | 183.67                   | 1.21                | 135.48R                       | 0.00                       |
|          | 6651.00                | 8.80                 | 186.10           | 6618.14     | 356.16                   | -355.43    | -22.97     | 356.17          | 183.70                   | 0.89                | 6.84L                         | -0.60                      |
|          | 6683.00                | 9.20                 | 185.80           | 6649.75     | 361.17                   | -360.41    | -23.49     | 361.18          | 183.73                   | 1.26                | 125.39R                       | 1.20                       |
|          | 6714.00                | 9.10                 | 186.70           | 6680.35     | 366.09                   | -365.31    | -24.03     | 366.10          | 183.76                   | 0.56                | 44.40L                        | -0.30                      |
|          | 6746.00                | 9.30                 | 185.50           | 6711.94     | 371.21                   | -370.40    | -24.57     | 371.21          | 183.80                   | 0.87                | 26.13L                        | 0.60                       |
|          | 6778.00                | 9.40                 | 185.20           | 6743.51     | 376.40                   | -375.57    | -25.06     | 376.41          | 183.82                   | 0.35                | 170.20R                       | 0.30                       |
|          | 6809.00                | 8.70                 | 186.00           | 6774.13     | 381.28                   | -380.43    | -25.53     | 381.28          | 183.84                   | 2.29                | 155.81R                       | -2.20                      |
|          | 6841.00                | 7.70                 | 189.40           | 6805.80     | 385.83                   | -384.95    | -26.13     | 385.84          | 183.88                   | 3.47                | 175.82R                       | -3.10                      |
|          | 6873.00                | 6.60                 | 190.10           | 6837.55     | 389.80                   | -388.88    | -26.81     | 389.80          | 183.94                   | 3.45                | 161.54R                       | -3.40                      |
|          | 6905.00                | 6.40                 | 190.70           | 6869.35     | 393.40                   | -392.44    | -27.46     | 393.40          | 184.00                   | 0.66                | 176.91L                       | -0.60                      |
|          | 6936.00                | 6.20                 | 190.60           | 6900.16     | 396.78                   | -395.78    | -28.09     | 396.78          | 184.06                   | 0.65                | 123.59L                       | -0.60                      |
|          | 6968.00                | 6.00                 | 187.60           | 6931.98     | 400.16                   | -399.14    | -28.63     | 400.16          | 184.10                   | 1.18                | 41.17L                        | -0.60                      |
|          | 7000.00                | 6.20                 | 186.00           | 6963.80     | 403.56                   | -402.51    | -29.03     | 403.56          | 184.13                   | 0.82                | 154.74L                       | 0.60                       |
|          | 7032.00                | 5.70                 | 183.60           | 6995.62     | 406.88                   | -405.82    | -29.31     | 406.88          | 184.13                   | 1.74                | 162.93R                       | -1.50                      |
|          | 7063.00                | 4.90                 | 186.50           | 7026.49     | 409.74                   | -408.67    | -29.56     | 409.74          | 184.14                   | 2.72                | 155.62R                       | -2.50                      |
|          | 7095.00                | 4.00                 | 192.50           | 7058.39     | 412.21                   | -411.12    | -29.95     | 412.21          | 184.17                   | 3.16                | 168.66R                       | -2.80                      |
|          | 7127.00                | 2.70                 | 198.10           | 7090.34     | 414.04                   | -412.92    | -30.43     | 414.04          | 184.21                   | 4.18                | 181.80M                       | -4.00                      |
|          | 7158.00                | 1.60                 | 181.80           | 7121.32     | 415.18                   | -414.05    | -30.67     | 415.19          | 184.24                   | 4.03                | 155.30M                       | -3.50                      |
|          | 7190.00                | 0.90                 | 155.30           | 7153.31     | 415.85                   | -414.73    | -30.58     | 415.85          | 184.22                   | 2.78                | 91.80M                        | -2.10                      |
|          | 7222.00                | 0.80                 | 91.80            | 7185.31     | 416.06                   | -414.96    | -30.25     | 416.06          | 184.17                   | 2.81                | 94.60M                        | -0.30                      |
|          | 7253.00                | 0.70                 | 94.60            | 7216.30     | 416.05                   | -414.98    | -29.85     | 416.05          | 184.11                   | 0.34                | 68.40M                        | -0.30                      |
|          | 7285.00                | 0.80                 | 68.40            | 7248.30     | 415.96                   | -414.92    | -29.44     | 415.96          | 184.06                   | 1.11                | 68.00M                        | 0.30                       |
|          | 7317.00                | 1.00                 | 68.00            | 7280.30     | 415.74                   | -414.73    | -28.98     | 415.74          | 184.00                   | 0.63                | 106.50M                       | 0.60                       |
|          | 7380.00                | 1.00                 | 106.50           | 7343.29     | 415.62                   | -414.68    | -27.94     | 415.62          | 183.85                   | 1.05                | 171.80M                       | 0.00                       |
|          | 7443.00                | 0.60                 | 171.80           | 7406.28     | 416.06                   | -415.16    | -27.37     | 416.06          | 183.77                   | 1.47                | 170.70M                       | -0.60                      |
|          | 7507.00                | 0.90                 | 170.70           | 7470.28     | 416.87                   | -415.99    | -27.24     | 416.88          | 183.75                   | 0.47                | 175.60M                       | 0.40                       |
|          | 7570.00                | 0.90                 | 175.60           | 7533.27     | 417.84                   | -416.97    | -27.12     | 417.85          | 183.72                   | 0.12                | 199.00M                       | 0.00                       |
|          | 7634.00                | 0.90                 | 199.00           | 7597.26     | 418.82                   | -417.95    | -27.24     | 418.84          | 183.73                   | 0.57                | 201.60M                       | 0.00                       |
|          | 7697.00                | 1.20                 | 201.60           | 7660.25     | 419.93                   | -419.03    | -27.65     | 419.94          | 183.77                   | 0.48                | 224.50M                       | 0.40                       |
|          | 7760.00                | 1.20                 | 224.50           | 7723.24     | 421.06                   | -420.11    | -28.35     | 421.07          | 183.86                   | 0.76                | 286.60M                       | 0.00                       |
|          | 7824.00                | 0.70                 | 286.60           | 7787.23     | 421.49                   | -420.48    | -29.20     | 421.49          | 183.97                   | 1.67                | 12.50M                        | -0.70                      |
|          | 7887.00                | 0.40                 | 12.50            | 7850.23     | 421.19                   | -420.15    | -29.52     | 421.19          | 184.02                   | 1.24                | 40.80M                        | -0.40                      |
|          | 7951.00                | 0.70                 | 40.80            | 7914.23     | 420.66                   | -419.64    | -29.21     | 420.66          | 183.98                   | 0.62                | 22.90M                        | 0.40                       |
|          | 8014.00                | 0.70                 | 22.90            | 7977.22     | 419.98                   | -418.99    | -28.81     | 419.98          | 183.93                   | 0.35                | 44.20M                        | 0.00                       |
|          | 8077.00                | 0.60                 | 44.20            | 8040.22     | 419.37                   | -418.40    | -28.43     | 419.37          | 183.89                   | 0.41                | 53.60M                        | -0.10                      |
|          | 8141.00                | 0.20                 | 53.60            | 8104.22     | 419.04                   | -418.10    | -28.11     | 419.04          | 183.85                   | 0.63                | 94.90M                        | -0.60                      |
|          | 8204.00                | 0.40                 | 94.90            | 8167.21     | 418.97                   | -418.05    | -27.80     | 418.97          | 183.80                   | 0.45                | 93.00M                        | 0.30                       |
|          | 8268.00                | 0.50                 | 93.00            | 8231.21     | 418.97                   | -418.08    | -27.30     | 418.98          | 183.74                   | 0.16                | 158.60M                       | 0.10                       |

| Comments     | Measured Depth | Inclination | Azimuth | TVD     | Vertical Section | NS      | EW     | Closure | Closure Azimuth | DLS            | Mag / Grav Tool Face | Build Rate     |
|--------------|----------------|-------------|---------|---------|------------------|---------|--------|---------|-----------------|----------------|----------------------|----------------|
|              | ( ft )         | ( deg )     | ( deg ) | ( ft )  | ( ft )           | ( ft )  | ( ft ) | ( ft )  | ( deg )         | ( deg/100 ft ) | ( deg )              | ( deg/100 ft ) |
| Projected TD | 8331.00        | 0.30        | 158.60  | 8294.21 | 419.11           | -418.25 | -26.97 | 419.12  | 183.69          | 0.74           | 291.20M              | -0.3%          |
|              | 8394.00        | 0.60        | 291.20  | 8357.21 | 419.16           | -418.29 | -27.21 | 419.17  | 183.72          | 1.32           | 273.60M              | 0.4%           |
|              | 8453.00        | 0.60        | 273.60  | 8416.21 | 419.07           | -418.16 | -27.81 | 419.08  | 183.80          | 0.31           | 285.80M              | 0.0%           |
|              | 8520.00        | 0.50        | 285.80  | 8483.20 | 419.02           | -418.05 | -28.44 | 419.02  | 183.89          | 0.23           | 306.00M              | -0.1%          |
|              | 8570.00        | 0.50        | 306.00  | 8533.20 | 418.86           | -417.87 | -28.83 | 418.86  | 183.95          | 0.35           | 340.10M              | 0.0%           |
|              | 8633.00        | 0.40        | 340.10  | 8596.20 | 418.51           | -417.50 | -29.12 | 418.51  | 183.99          | 0.45           | 335.50M              | -0.1%          |
|              | 8696.00        | 0.60        | 335.50  | 8659.20 | 418.02           | -416.99 | -29.34 | 418.02  | 184.02          | 0.32           | 340.20M              | 0.3%           |
|              | 8760.00        | 0.50        | 340.20  | 8723.20 | 417.47           | -416.42 | -29.57 | 417.47  | 184.06          | 0.17           | 350.30M              | -0.1%          |
|              | 8823.00        | 0.40        | 350.30  | 8786.19 | 417.01           | -415.95 | -29.70 | 417.01  | 184.08          | 0.20           | 351.80M              | -0.1%          |
|              | 8886.00        | 0.40        | 351.80  | 8849.19 | 416.58           | -415.51 | -29.77 | 416.58  | 184.10          | 0.02           | 339.80M              | 0.0%           |
|              | 8949.00        | 0.50        | 339.80  | 8912.19 | 416.11           | -415.04 | -29.89 | 416.11  | 184.12          | 0.22           | 357.80M              | 0.1%           |
|              | 9013.00        | 0.70        | 357.80  | 8976.19 | 415.47           | -414.39 | -30.01 | 415.47  | 184.14          | 0.43           | 355.80M              | 0.3%           |
|              | 9077.00        | 0.90        | 355.80  | 9040.18 | 414.58           | -413.49 | -30.06 | 414.58  | 184.16          | 0.32           | 354.00M              | 0.3%           |
|              | 9140.00        | 1.10        | 354.00  | 9103.17 | 413.50           | -412.40 | -30.16 | 413.50  | 184.18          | 0.32           | 132.40M              | 0.3%           |
|              | 9203.00        | 0.10        | 132.40  | 9166.17 | 412.94           | -411.83 | -30.18 | 412.94  | 184.19          | 1.87           | 246.90M              | -1.5%          |
|              | 9266.00        | 0.40        | 246.90  | 9229.17 | 413.07           | -411.96 | -30.34 | 413.07  | 184.21          | 0.72           | 330.80M              | 0.4%           |
|              | 9329.00        | 1.00        | 330.80  | 9292.16 | 412.71           | -411.56 | -30.81 | 412.72  | 184.28          | 1.65           | 267.30M              | 0.9%           |
|              | 9392.00        | 0.60        | 267.30  | 9355.16 | 412.29           | -411.10 | -31.41 | 412.30  | 184.37          | 1.44           | 167.10M              | -0.6%          |
|              | 9455.00        | 1.00        | 167.10  | 9418.15 | 412.86           | -411.65 | -31.62 | 412.86  | 184.39          | 1.99           | 176.20M              | 0.6%           |
|              | 9519.00        | 1.60        | 176.20  | 9482.14 | 414.28           | -413.09 | -31.43 | 414.28  | 184.35          | 0.99           | 262.30M              | 0.9%           |
|              | 9582.00        | 0.50        | 262.30  | 9545.13 | 415.21           | -414.00 | -31.65 | 415.21  | 184.37          | 2.61           | 282.30M              | -1.7%          |
|              | 9653.00        | 1.00        | 282.30  | 9616.12 | 415.18           | -413.91 | -32.56 | 415.19  | 184.50          | 0.78           | ---                  | 0.7%           |
|              | 9690.00        | 1.00        | 282.30  | 9653.12 | 415.09           | -413.77 | -33.19 | 415.10  | 184.59          | 0.00           | ---                  | 0.0%           |

# OXY

|                   |  |                               |  |         |  |     |       |        |                 |      |  |                  |  |                              |  |                                                  |  |          |  |            |  |        |  |                               |  |                  |  |            |  |
|-------------------|--|-------------------------------|--|---------|--|-----|-------|--------|-----------------|------|--|------------------|--|------------------------------|--|--------------------------------------------------|--|----------|--|------------|--|--------|--|-------------------------------|--|------------------|--|------------|--|
| WELL              |  | Indian Basin 25 Federal # F-2 |  |         |  |     | FIELD |        | Eddy County, NM |      |  | STRUCTURE        |  | Indian Basin 25 Federal #F-2 |  |                                                  |  |          |  |            |  |        |  |                               |  |                  |  |            |  |
| Magnet Parameters |  | Mode                          |  | GRF CAS |  | C-1 |       | 60 306 |                 | Day  |  | February 19 1997 |  | Surf Location                |  | NACOT New Mexico State #1242 Eastern Zone US Fed |  | Machine  |  | OXY        |  | TVD Fx |  | FKB of 50' above              |  | February 19 1997 |  |            |  |
|                   |  | Mud Elev.                     |  | 18 10"  |  | Pa  |       | 45     |                 | Surf |  | W 10 35 12 24E   |  | Fueling                      |  | 4021 181 700                                     |  | Scale Fx |  | 1" = 1000' |  | Plan   |  | Indian Basin 25 Federal # F-2 |  | Surf             |  | 1" = 1000' |  |





# Scientific Drilling

## OCCIDENTAL PERMIAN LTD.

Field: Indian Basin  
Site: Eddy County, NM  
Well: Indian Basin 25 Federal #2  
Wellpath: VH - Job #32K0207151  
Survey: 02/18/07

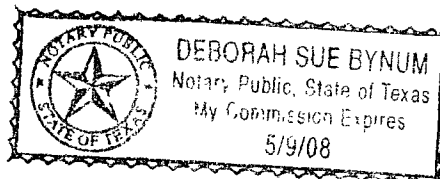
This survey is correct to the best of my knowledge  
and is supported by actual field data.

.....*L. H. Hester*..... Company Representative

Notorized this date 4th of April, 2007.

*Deborah Sue Bynum*  
Notary Signature

County of Midland  
State of Texas





Scientific  
Drilling

# Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.  
Field: Indian Basin  
Site: Eddy County, NM  
Well: Indian Basin 25 Federal #2  
Wellpath: VH - Job #32K0207151

Date: 03/21/2007 Time: 16:45:30 Page: 1  
Co-ordinate(NE) Reference: Site: Eddy County, NM. Grd North  
Vertical (TVD) Reference: SITE 0.0  
Section (V/S) Reference: Well (0.00N,0.00E,184.13Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 02/18/07 Start Date: 02/18/2007  
KSRG 0'-4640'  
Company: Scientific Drilling Internatio Engineer: Gonzales/Rando  
Tool: Keeper;Keeper Surface Readout Tied-to: From Surface

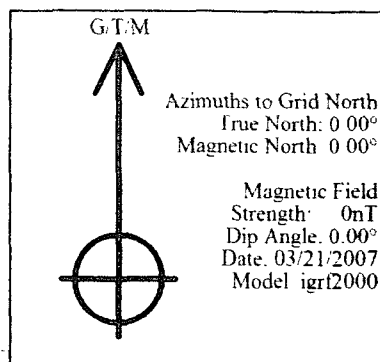
## Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 0.00     | 0.00        | 0 12        | 0.00      | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 100.00   | 0.38        | 281.70      | 100.00    | -0.04    | 0.07      | -0.32     | 0.38             | 0.33       | 281.70      |
| 200.00   | 0.30        | 296.47      | 200.00    | -0.19    | 0.25      | -0.88     | 0.12             | 0.92       | 285.87      |
| 300.00   | 0.12        | 356.34      | 300.00    | -0.39    | 0.47      | -1.13     | 0.26             | 1.22       | 292.80      |
| 400.00   | 0.18        | 19.25       | 400.00    | -0.65    | 0.73      | -1.08     | 0.08             | 1.30       | 303.91      |
| 500.00   | 0.58        | 111.12      | 499.99    | -0.65    | 0.69      | -0.56     | 0.61             | 0.89       | 321.08      |
| 600.00   | 0.87        | 115.43      | 599.99    | -0.23    | 0.19      | 0.59      | 0.30             | 0.62       | 72.43       |
| 700.00   | 0.89        | 119.54      | 699.97    | 0.38     | -0.52     | 1.95      | 0.07             | 2.02       | 104.93      |
| 800.00   | 0.83        | 117.91      | 799.96    | 1.00     | -1.24     | 3.27      | 0.06             | 3.50       | 110.82      |
| 900.00   | 0.82        | 126.43      | 899.95    | 1.68     | -2.01     | 4.48      | 0.12             | 4.91       | 114.11      |
| 1000.00  | 0.82        | 137.07      | 999.94    | 2.55     | -2.96     | 5.55      | 0.15             | 6.28       | 118.05      |
| 1100.00  | 0.88        | 146.11      | 1099.93   | 3.64     | -4.12     | 6.46      | 0.15             | 7.66       | 122.50      |
| 1200.00  | 0.79        | 152.38      | 1199.92   | 4.83     | -5.37     | 7.21      | 0.13             | 8.99       | 126.65      |
| 1300.00  | 0.77        | 162.59      | 1299.91   | 6.04     | -6.62     | 7.73      | 0.14             | 10.18      | 130.56      |
| 1400.00  | 0.75        | 156.26      | 1399.90   | 7.25     | -7.86     | 8.20      | 0.09             | 11.35      | 133.80      |
| 1500.00  | 0.79        | 162.41      | 1499.89   | 8.47     | -9.11     | 8.67      | 0.09             | 12.58      | 136.44      |
| 1600.00  | 0.79        | 150.04      | 1599.89   | 9.68     | -10.37    | 9.22      | 0.17             | 13.87      | 138.36      |
| 1700.00  | 0.73        | 162.66      | 1699.88   | 10.84    | -11.57    | 9.75      | 0.18             | 15.14      | 139.88      |
| 1800.00  | 0.75        | 153.63      | 1799.87   | 12.00    | -12.77    | 10.23     | 0.12             | 16.36      | 141.29      |
| 1900.00  | 0.70        | 157.66      | 1899.86   | 13.11    | -13.92    | 10.76     | 0.07             | 17.59      | 142.30      |
| 2000.00  | 0.68        | 153.44      | 1999.85   | 14.17    | -15.02    | 11.26     | 0.05             | 18.77      | 143.15      |
| 2100.00  | 0.67        | 153.48      | 2099.85   | 15.18    | -16.07    | 11.78     | 0.01             | 19.93      | 143.75      |
| 2200.00  | 0.63        | 152.94      | 2199.84   | 16.15    | -17.08    | 12.29     | 0.04             | 21.05      | 144.26      |
| 2300.00  | 0.62        | 159.43      | 2299.83   | 17.12    | -18.08    | 12.73     | 0.07             | 22.11      | 144.84      |
| 2400.00  | 0.62        | 150.50      | 2399.83   | 18.06    | -19.06    | 13.19     | 0.10             | 23.18      | 145.31      |
| 2500.00  | 0.56        | 152.94      | 2499.82   | 18.93    | -19.96    | 13.68     | 0.06             | 24.20      | 145.58      |
| 2600.00  | 0.53        | 147.44      | 2599.82   | 19.72    | -20.79    | 14.15     | 0.06             | 25.15      | 145.76      |
| 2700.00  | 0.46        | 152.56      | 2699.81   | 20.43    | -21.54    | 14.59     | 0.08             | 26.01      | 145.89      |
| 2800.00  | 0.44        | 149.29      | 2799.81   | 21.09    | -22.22    | 14.97     | 0.03             | 26.79      | 146.04      |
| 2900.00  | 0.40        | 155.94      | 2899.81   | 21.71    | -22.87    | 15.31     | 0.06             | 27.52      | 146.21      |
| 3000.00  | 0.47        | 144.68      | 2999.81   | 22.34    | -23.53    | 15.68     | 0.11             | 28.28      | 146.31      |
| 3100.00  | 0.46        | 150.91      | 3099.80   | 22.99    | -24.21    | 16.12     | 0.05             | 29.09      | 146.35      |
| 3200.00  | 0.42        | 158.63      | 3199.80   | 23.66    | -24.91    | 16.45     | 0.07             | 29.85      | 146.56      |
| 3300.00  | 0.49        | 162.60      | 3299.80   | 24.38    | -25.65    | 16.71     | 0.08             | 30.61      | 146.93      |
| 3400.00  | 0.47        | 158.45      | 3399.79   | 25.15    | -26.44    | 16.99     | 0.04             | 31.43      | 147.29      |
| 3500.00  | 0.45        | 178.20      | 3499.79   | 25.91    | -27.22    | 17.15     | 0.16             | 32.17      | 147.79      |
| 3600.00  | 0.47        | 188.85      | 3599.79   | 26.71    | -28.01    | 17.10     | 0.09             | 32.82      | 148.60      |
| 3700.00  | 0.48        | 193.92      | 3699.78   | 27.53    | -28.83    | 16.93     | 0.04             | 33.43      | 149.57      |
| 3800.00  | 0.47        | 198.81      | 3799.78   | 28.34    | -29.62    | 16.70     | 0.04             | 34.00      | 150.58      |
| 3900.00  | 0.23        | 187.69      | 3899.78   | 28.94    | -30.21    | 16.54     | 0.25             | 34.44      | 151.29      |
| 4000.00  | 0.32        | 192.71      | 3999.78   | 29.41    | -30.68    | 16.45     | 0.09             | 34.81      | 151.79      |
| 4100.00  | 0.14        | 200.81      | 4099.78   | 29.81    | -31.07    | 16.35     | 0.18             | 35.10      | 152.24      |
| 4200.00  | 0.22        | 286.05      | 4199.78   | 29.89    | -31.13    | 16.12     | 0.25             | 35.06      | 152.62      |
| 4300.00  | 0.24        | 296.56      | 4299.77   | 29.77    | -30.98    | 15.75     | 0.05             | 34.76      | 153.05      |
| 4400.00  | 0.40        | 291.71      | 4399.77   | 29.58    | -30.76    | 15.24     | 0.16             | 34.33      | 153.64      |
| 4500.00  | 0.40        | 328.47      | 4499.77   | 29.19    | -30.33    | 14.73     | 0.25             | 33.72      | 154.09      |
| 4600.00  | 0.60        | 290.46      | 4599.77   | 28.76    | -29.85    | 14.06     | 0.37             | 33.00      | 154.77      |
| 4640.00  | 0.59        | 290.22      | 4639.76   | 28.65    | -29.71    | 13.68     | 0.02             | 32.71      | 155.28      |

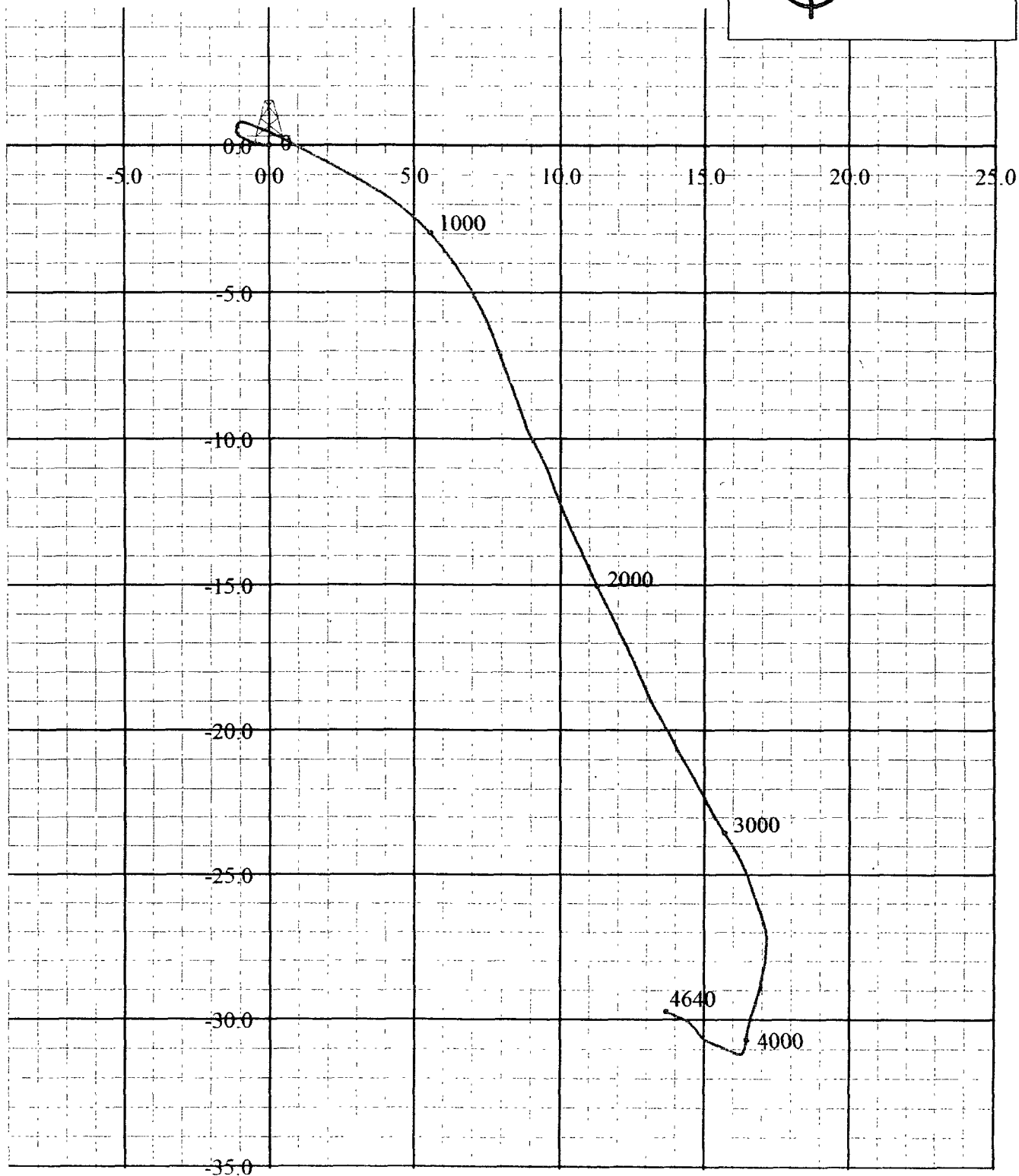


Scientific  
Drilling

Field: Indian Basin  
Site: Eddy County, NM  
Well: Indian Basin 25 Federal #2  
Wellpath: VH - Job #32K0207151  
Survey: 02/18/07



South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]

OPERATOR  
WELL/LEASE  
COUNTY

OCCIDENTAL PERMIAN/OXY  
INDIAN BASIN 25 FED #2  
EDDY, NM

508-0097

STATE OF NEW MEXICO  
DEVIATION REPORT

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|       |      |
|-------|------|
| 255   | 0 50 |
| 729   | 1 75 |
| 951   | 1 75 |
| 1,250 | 0.50 |
| 1,728 | 0 25 |
| 2,204 | 1 75 |
| 2,393 | 1 00 |
| 2,869 | 0.50 |
| 3,345 | 1 25 |
| 3,851 | 0.50 |
| 4,105 | 0 25 |
| 4,358 | 0.25 |

STATE OF TEXAS

BY. Steve Moore

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on  
Moore on behalf of Patterson-UTI Drilling Company LP, LLLP

March 27, 2007, by Steve

Joni D. Hodges  
Notary Public for Midland County, Texas  
My Commission Expires: 4/08/07

