

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-6162

DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102

Revised August 1, 2011

Submit one copy to appropriate  
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |                                               |                                                   |
|-----------------------------------|-----------------------------------------------|---------------------------------------------------|
| API Number<br><b>30-025-41731</b> | Pool Code<br><b>96434</b>                     | Pool Name<br><b>Red Hills, Bene Spring, North</b> |
| Property Code<br><b>40461</b>     | Property Name<br><b>GRAMMA RIDGE 14-24-34</b> | Well Number<br><b>2H</b>                          |
| OGRID No.<br><b>4323</b>          | Operator Name<br><b>CHEVRON USA INC.</b>      | Elevation<br><b>3508'</b>                         |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 14      | 24-S     | 34-E  |         | 330           | NORTH            | 340           | WEST           | LEA    |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 14      | 24-S     | 34-E  |         | 280           | SOUTH            | 660           | WEST           | LEA    |

|                                |                 |                    |           |
|--------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br><b>1.60</b> | Joint or Infill | 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><b>CORNER COORDINATES TABLE</b></p> <p>A - Y=446569.3 N, X=773528.0 E<br/>         B - Y=446584.5 N, X=774850.9 E<br/>         C - Y=441310.2 N, X=774895.5 E<br/>         D - Y=441300.7 N, X=773574.2 E</p> | <p><b>OPERATOR CERTIFICATION</b></p> <p>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.</p> <p><i>[Signature]</i> <b>06/05/2014</b><br/>         Signature Date<br/> <b>Denise Pinkerton</b><br/>         Printed Name<br/> <b>leake.jdo@chevron.com</b><br/>         E-mail Address</p> |
|  | <p><b>GEODETIC COORDINATES</b><br/>NAD 27 NME</p> <p><b>SURFACE LOCATION</b><br/>Y=446243.2 N<br/>X=773870.9 E</p> <p><b>BOTTOM HOLE LOCATION</b><br/>Y=441585.3 N<br/>X=774231.6 E</p>                          | <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p><b>APRIL 18, 2013</b></p> <p>Date of Survey<br/>         Signature &amp; Seal of Professional Surveyor:<br/> <br/> <b>Ronald J. Eidson</b> <b>05/19/2014</b><br/>         Certificate Number Gary G. Eidson 12641<br/>         Ronald J. Eidson 3239<br/>         DSS Related W.O. 4941010 WSC W.O. 14.13.0543</p>                                                                                                                                                      |

JUN 10 2014

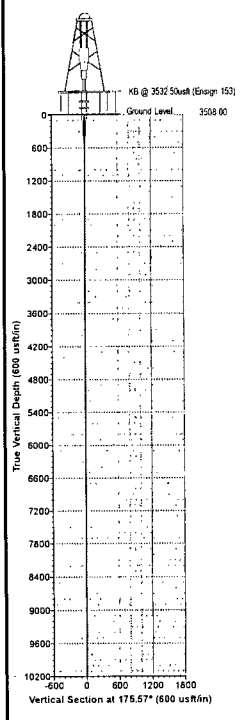
HOBBS OCD  
JUN 09 2014  
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Project: Lea County NM (NAD27 NME)  
Site: Gamma Ridge 14-24-34  
Well: #2H  
Wellbore: WB1/Job #1410440  
Design: Plan #3 06-02-14  
Rig: Ensign 153



North  
Azimuth to Grid North  
True North: -0.47°  
Magnetic North: 6.69°  
Magnetic Field  
Strength: 48333.1 nT  
Dip Angle: 60.13°  
Date: 2014/05/29  
Model: IGRF2010\_14



| WELL DETAILS |      |           |              |                    |                     |  |
|--------------|------|-----------|--------------|--------------------|---------------------|--|
|              |      |           | Ground Level | 2508.00            |                     |  |
| -W/S         | -E/W | Northing  | Easting      | Latitude           | Longitude           |  |
| 0.00         | 0.00 | 446243.20 | 773870.90    | 32° 13' 25.45288 N | 103° 26' 51.79837 W |  |

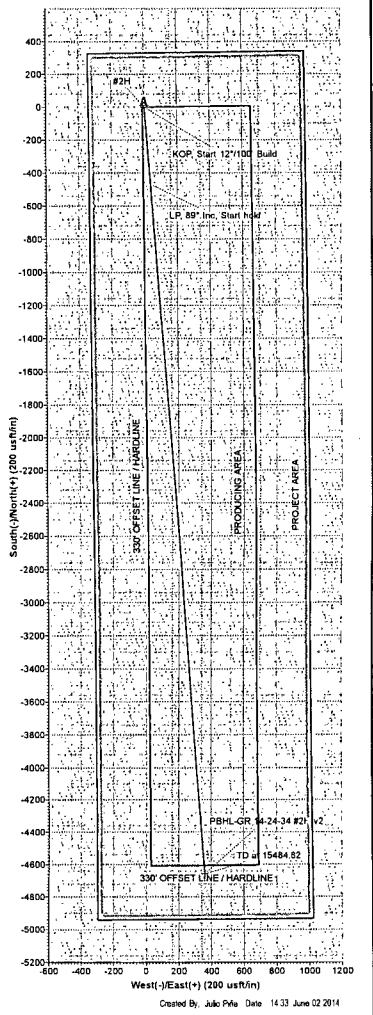
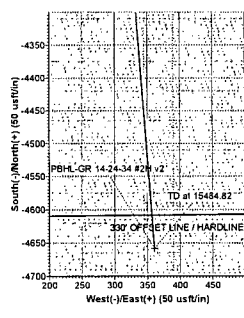
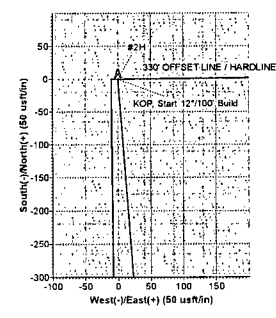
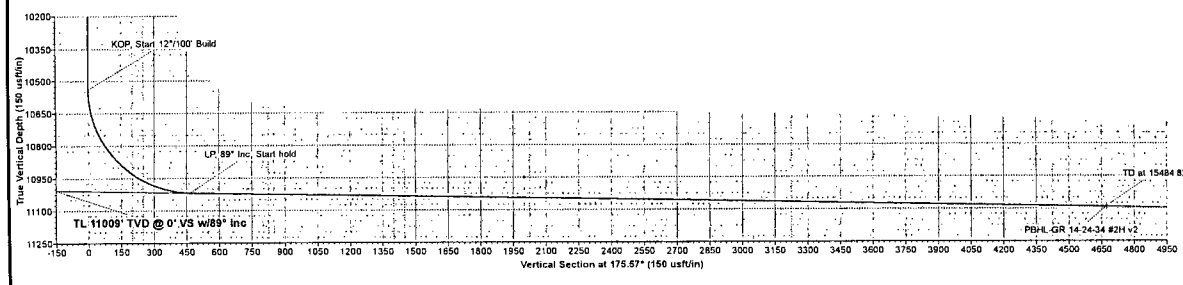
| SECTION DETAILS |          |       |        |          |        |        |       |        |                          |
|-----------------|----------|-------|--------|----------|--------|--------|-------|--------|--------------------------|
| Sec             | MD       | Inc   | As     | TVD      | True S | True W | Deg   | VSec   | Target                   |
| 1               | 0.00     | 0.00  | 0.00   | 0.00     | 0.00   | 0.00   | 0.00  | 0.00   |                          |
| 2               | 10539.80 | 0.00  | 0.00   | 10539.80 | 0.00   | 0.00   | 0.00  | 0.00   | KOP Start 12°/100' Build |
| 3               | 11281.45 | 89.00 | 175.57 | 11010.15 | 457.73 | 36.72  | 12.00 | 175.57 | LP 89° Inc. Start hold   |
| 4               | 15484.82 | 89.00 | 175.57 | 11090.55 | 457.50 | 360.70 | 0.00  | 0.00   | PBHL GR 14-24-34 #2H v2  |

| DESIGN TARGET DETAILS   |          |         |        |           |           |                   |                    |       |  |
|-------------------------|----------|---------|--------|-----------|-----------|-------------------|--------------------|-------|--|
| Name                    | TVD      | True S  | True W | Northing  | Easting   | Latitude          | Longitude          | Shape |  |
| PBHL GR 14-24-34 #2H v2 | 11090.55 | -457.50 | 360.70 | 441585.30 | 774231.60 | 32° 12' 39.3257 N | 103° 26' 48.0475 W | Point |  |
| plan hole target center |          |         |        |           |           |                   |                    |       |  |

LEGEND  
Plan #3 06-02-14

Map System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone Name: New Mexico East 3001  
Local Origin: Well #2H, Grid North  
Latitude: 32° 13' 25.45288 N  
Grid North: 446243.20  
Scale Factor: 1.000  
Grid East: 773870.90  
Sample Date: 29-May-14  
Magnetic Declination: 7.16°  
Dip Angle from Horizontal: 60.13°  
Magnetic Field Strength: 48333  
To convert a Magnetic Direction to a Grid Direction, Add 6.69°  
To convert a Magnetic Direction to a True Direction, Add 7.16° East  
To convert a True Direction to a Grid Direction, Subtract 0.47°

| FORMATION TOP DETAILS |          |           |                                |           |         |
|-----------------------|----------|-----------|--------------------------------|-----------|---------|
| TVD (ft)              | MD (ft)  | Formation | TL 11009 TVD @ 0° VS w/89° Inc | Dip Angle | Dip Dir |
| 11017.19              | 11281.45 |           |                                | 1.00      | 175.57  |



Created By: Juko Pita Date: 14-03-June-02-2014

HOBBS OCD

JUN 09 2014

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**PHOENIX**  
TECHNOLOGY SERVICES

## **Chevron**

Lea County NM (NAD27 NME)

Gamma Ridge 14-24-34

#2H

WB1/Job #1410440

Plan: Plan #3 06-02-14

## **Planning Report**

02 June, 2014





Phoenix Technology Services  
Planning Report



|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gramma Ridge 14-24-34     | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Grid                          |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project:    | Lea County NM (NAD27 NME)            |               |                |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)              |               |                |
| Map Zone:   | New Mexico East 3001                 |               |                |

|                       |                       |                   |                     |
|-----------------------|-----------------------|-------------------|---------------------|
| Site:                 | Gramma Ridge 14-24-34 |                   |                     |
| Site Position:        |                       | Northing:         | 446,243.20 usft     |
| From:                 | Map                   | Easting:          | 773,870.90 usft     |
| Position Uncertainty: | 0.00 usft             | Slot Radius:      | 13-3/16 "           |
|                       |                       | Latitude:         | 32° 13' 25.45288 N  |
|                       |                       | Longitude:        | 103° 26' 51.79837 W |
|                       |                       | Grid Convergence: | 0.47 °              |

|                      |           |           |                     |                 |               |                     |
|----------------------|-----------|-----------|---------------------|-----------------|---------------|---------------------|
| Well                 | #2H       |           |                     |                 |               |                     |
| Well Position        | +N/-S     | 0.00 usft | Northing:           | 446,243.20 usft | Latitude:     | 32° 13' 25.45288 N  |
|                      | +E/-W     | 0.00 usft | Easting:            | 773,870.90 usft | Longitude:    | 103° 26' 51.79837 W |
| Position Uncertainty | 0.00 usft |           | Wellhead Elevation: | usft            | Ground Level: | 3,508.00 usft       |

|           |                  |             |             |           |                |
|-----------|------------------|-------------|-------------|-----------|----------------|
| Wellbore: | WB1/Job #1410440 |             |             |           |                |
| Magnetics | Model Name:      | Sample Date | Declination | Dip Angle | Field Strength |
|           |                  |             | (°)         | (°)       | (nT)           |
|           | IGRF2010_14      | 2014/05/29  | 7.16        | 60.13     | 48,333         |

|                   |                  |        |               |           |
|-------------------|------------------|--------|---------------|-----------|
| Design:           | Plan #3 06-02-14 |        |               |           |
| Audit Notes:      |                  |        |               |           |
| Version:          | Phase:           | PLAN   | Tie On Depth: | 0.00      |
| Vertical Section: | Depth From (TVD) | +N/-S  | +E/-W         | Direction |
|                   | (usft)           | (usft) | (usft)        | (°)       |
|                   | 0.00             | 0.00   | 0.00          | 175.57    |

|                     |                 |                                     |              |                                      |
|---------------------|-----------------|-------------------------------------|--------------|--------------------------------------|
| Survey Tool Program | Date 2014/06/02 |                                     |              |                                      |
| From                | To              | Survey (Wellbore)                   | Tool Name    | Description                          |
| (usft)              | (usft)          |                                     |              |                                      |
| 0.00                | 15,484.82       | Plan #3 06-02-14 (WB1/Job #1410440) | PHX+MWD+IGRF | PHX+MWD+IGRF v3:standard declination |



Phoenix Technology Services  
Planning Report



|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gamma Ridge 14-24-34      | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Grid                          |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

| Planned Survey |            |                      |                 |               |               |               |                    |                   |                  |                     |  |
|----------------|------------|----------------------|-----------------|---------------|---------------|---------------|--------------------|-------------------|------------------|---------------------|--|
| MD<br>(usft)   | Inc<br>(°) | Azi (azimuth)<br>(°) | TVDSS<br>(usft) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |  |
| 0.00           | 0.00       | 0.00                 | -3,532.50       | 0.00          | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 100.00         | 0.00       | 0.00                 | -3,432.50       | 100.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 200.00         | 0.00       | 0.00                 | -3,332.50       | 200.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 300.00         | 0.00       | 0.00                 | -3,232.50       | 300.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 400.00         | 0.00       | 0.00                 | -3,132.50       | 400.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 500.00         | 0.00       | 0.00                 | -3,032.50       | 500.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 600.00         | 0.00       | 0.00                 | -2,932.50       | 600.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 700.00         | 0.00       | 0.00                 | -2,832.50       | 700.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 800.00         | 0.00       | 0.00                 | -2,732.50       | 800.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 900.00         | 0.00       | 0.00                 | -2,632.50       | 900.00        | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,000.00       | 0.00       | 0.00                 | -2,532.50       | 1,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,100.00       | 0.00       | 0.00                 | -2,432.50       | 1,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,200.00       | 0.00       | 0.00                 | -2,332.50       | 1,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,300.00       | 0.00       | 0.00                 | -2,232.50       | 1,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,400.00       | 0.00       | 0.00                 | -2,132.50       | 1,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,500.00       | 0.00       | 0.00                 | -2,032.50       | 1,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,600.00       | 0.00       | 0.00                 | -1,932.50       | 1,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,700.00       | 0.00       | 0.00                 | -1,832.50       | 1,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,800.00       | 0.00       | 0.00                 | -1,732.50       | 1,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 1,900.00       | 0.00       | 0.00                 | -1,632.50       | 1,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,000.00       | 0.00       | 0.00                 | -1,532.50       | 2,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,100.00       | 0.00       | 0.00                 | -1,432.50       | 2,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,200.00       | 0.00       | 0.00                 | -1,332.50       | 2,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,300.00       | 0.00       | 0.00                 | -1,232.50       | 2,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,400.00       | 0.00       | 0.00                 | -1,132.50       | 2,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,500.00       | 0.00       | 0.00                 | -1,032.50       | 2,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,600.00       | 0.00       | 0.00                 | -932.50         | 2,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |



Phoenix Technology Services  
Planning Report



|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gramma Ridge 14-24-34     | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Grid                          |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

| Planned Survey |            |                      |                 |               |               |               |                    |                   |                  |                     |  |
|----------------|------------|----------------------|-----------------|---------------|---------------|---------------|--------------------|-------------------|------------------|---------------------|--|
| MD<br>(usft)   | Inc<br>(°) | Azi (azimuth)<br>(°) | TVDSS<br>(usft) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |  |
| 2,700.00       | 0.00       | 0.00                 | -832.50         | 2,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,800.00       | 0.00       | 0.00                 | -732.50         | 2,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 2,900.00       | 0.00       | 0.00                 | -632.50         | 2,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,000.00       | 0.00       | 0.00                 | -532.50         | 3,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,100.00       | 0.00       | 0.00                 | -432.50         | 3,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,200.00       | 0.00       | 0.00                 | -332.50         | 3,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,300.00       | 0.00       | 0.00                 | -232.50         | 3,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,400.00       | 0.00       | 0.00                 | -132.50         | 3,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,500.00       | 0.00       | 0.00                 | -32.50          | 3,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,600.00       | 0.00       | 0.00                 | 67.50           | 3,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,700.00       | 0.00       | 0.00                 | 167.50          | 3,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,800.00       | 0.00       | 0.00                 | 267.50          | 3,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 3,900.00       | 0.00       | 0.00                 | 367.50          | 3,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,000.00       | 0.00       | 0.00                 | 467.50          | 4,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,100.00       | 0.00       | 0.00                 | 567.50          | 4,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,200.00       | 0.00       | 0.00                 | 667.50          | 4,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,300.00       | 0.00       | 0.00                 | 767.50          | 4,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,400.00       | 0.00       | 0.00                 | 867.50          | 4,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,500.00       | 0.00       | 0.00                 | 967.50          | 4,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,600.00       | 0.00       | 0.00                 | 1,067.50        | 4,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,700.00       | 0.00       | 0.00                 | 1,167.50        | 4,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,800.00       | 0.00       | 0.00                 | 1,267.50        | 4,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 4,900.00       | 0.00       | 0.00                 | 1,367.50        | 4,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,000.00       | 0.00       | 0.00                 | 1,467.50        | 5,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,100.00       | 0.00       | 0.00                 | 1,567.50        | 5,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,200.00       | 0.00       | 0.00                 | 1,667.50        | 5,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,300.00       | 0.00       | 0.00                 | 1,767.50        | 5,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |



Phoenix Technology Services  
Planning Report



|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gramma Ridge 14-24-34     | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Gnd                           |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

| Planned Survey |            |                      |                 |               |               |               |                    |                   |                  |                     |  |
|----------------|------------|----------------------|-----------------|---------------|---------------|---------------|--------------------|-------------------|------------------|---------------------|--|
| MD<br>(usft)   | Inc<br>(°) | Azi (azimuth)<br>(°) | TVDSS<br>(usft) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |  |
| 5,400.00       | 0.00       | 0.00                 | 1,867.50        | 5,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,500.00       | 0.00       | 0.00                 | 1,967.50        | 5,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,600.00       | 0.00       | 0.00                 | 2,067.50        | 5,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,700.00       | 0.00       | 0.00                 | 2,167.50        | 5,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,800.00       | 0.00       | 0.00                 | 2,267.50        | 5,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 5,900.00       | 0.00       | 0.00                 | 2,367.50        | 5,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,000.00       | 0.00       | 0.00                 | 2,467.50        | 6,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,100.00       | 0.00       | 0.00                 | 2,567.50        | 6,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,200.00       | 0.00       | 0.00                 | 2,667.50        | 6,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,300.00       | 0.00       | 0.00                 | 2,767.50        | 6,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,400.00       | 0.00       | 0.00                 | 2,867.50        | 6,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,500.00       | 0.00       | 0.00                 | 2,967.50        | 6,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,600.00       | 0.00       | 0.00                 | 3,067.50        | 6,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,700.00       | 0.00       | 0.00                 | 3,167.50        | 6,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,800.00       | 0.00       | 0.00                 | 3,267.50        | 6,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 6,900.00       | 0.00       | 0.00                 | 3,367.50        | 6,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,000.00       | 0.00       | 0.00                 | 3,467.50        | 7,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,100.00       | 0.00       | 0.00                 | 3,567.50        | 7,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,200.00       | 0.00       | 0.00                 | 3,667.50        | 7,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,300.00       | 0.00       | 0.00                 | 3,767.50        | 7,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,400.00       | 0.00       | 0.00                 | 3,867.50        | 7,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,500.00       | 0.00       | 0.00                 | 3,967.50        | 7,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,600.00       | 0.00       | 0.00                 | 4,067.50        | 7,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,700.00       | 0.00       | 0.00                 | 4,167.50        | 7,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,800.00       | 0.00       | 0.00                 | 4,267.50        | 7,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 7,900.00       | 0.00       | 0.00                 | 4,367.50        | 7,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,000.00       | 0.00       | 0.00                 | 4,467.50        | 8,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |



Phoenix Technology Services  
Planning Report



|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gamma Ridge 14-24-34      | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Grid                          |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

| Planned Survey |            |                      |                 |               |               |               |                    |                   |                  |                     |  |
|----------------|------------|----------------------|-----------------|---------------|---------------|---------------|--------------------|-------------------|------------------|---------------------|--|
| MD<br>(usft)   | Inc<br>(°) | Azi (azimuth)<br>(°) | TVDSS<br>(usft) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |  |
| 8,100.00       | 0.00       | 0.00                 | 4,567.50        | 8,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,200.00       | 0.00       | 0.00                 | 4,667.50        | 8,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,300.00       | 0.00       | 0.00                 | 4,767.50        | 8,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,400.00       | 0.00       | 0.00                 | 4,867.50        | 8,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,500.00       | 0.00       | 0.00                 | 4,967.50        | 8,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,600.00       | 0.00       | 0.00                 | 5,067.50        | 8,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,700.00       | 0.00       | 0.00                 | 5,167.50        | 8,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,800.00       | 0.00       | 0.00                 | 5,267.50        | 8,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 8,900.00       | 0.00       | 0.00                 | 5,367.50        | 8,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,000.00       | 0.00       | 0.00                 | 5,467.50        | 9,000.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,100.00       | 0.00       | 0.00                 | 5,567.50        | 9,100.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,200.00       | 0.00       | 0.00                 | 5,667.50        | 9,200.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,300.00       | 0.00       | 0.00                 | 5,767.50        | 9,300.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,400.00       | 0.00       | 0.00                 | 5,867.50        | 9,400.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,500.00       | 0.00       | 0.00                 | 5,967.50        | 9,500.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,600.00       | 0.00       | 0.00                 | 6,067.50        | 9,600.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,700.00       | 0.00       | 0.00                 | 6,167.50        | 9,700.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,800.00       | 0.00       | 0.00                 | 6,267.50        | 9,800.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 9,900.00       | 0.00       | 0.00                 | 6,367.50        | 9,900.00      | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 10,000.00      | 0.00       | 0.00                 | 6,467.50        | 10,000.00     | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 10,100.00      | 0.00       | 0.00                 | 6,567.50        | 10,100.00     | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 10,200.00      | 0.00       | 0.00                 | 6,667.50        | 10,200.00     | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 10,300.00      | 0.00       | 0.00                 | 6,767.50        | 10,300.00     | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 10,400.00      | 0.00       | 0.00                 | 6,867.50        | 10,400.00     | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 10,500.00      | 0.00       | 0.00                 | 6,967.50        | 10,500.00     | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |
| 10,539.80      | 0.00       | 0.00                 | 7,007.30        | 10,539.80     | 0.00          | 0.00          | 446,243.20         | 773,870.90        | 0.00             | 0.00                |  |

KOP, Start 12"/100' Build





Phoenix Technology Services  
Planning Report



|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gamma Ridge 14-24-34      | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Grid                          |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

| Planned Survey |            |                      |                 |               |               |               |                    |                   |                  |                     |  |  |
|----------------|------------|----------------------|-----------------|---------------|---------------|---------------|--------------------|-------------------|------------------|---------------------|--|--|
| MD<br>(usft)   | Inc<br>(°) | Azi (azimuth)<br>(°) | TVDSS<br>(usft) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |  |  |
| 10,550.00      | 1.22       | 175.57               | 7,017.50        | 10,550.00     | -0.11         | 0.01          | 446,243.09         | 773,870.91        | 0.11             | 12.00               |  |  |
| 10,575.00      | 4.22       | 175.57               | 7,042.47        | 10,574.97     | -1.29         | 0.10          | 446,241.91         | 773,871.00        | 1.30             | 12.00               |  |  |
| 10,600.00      | 7.22       | 175.57               | 7,067.34        | 10,599.84     | -3.78         | 0.29          | 446,239.42         | 773,871.19        | 3.79             | 12.00               |  |  |
| 10,625.00      | 10.22      | 175.57               | 7,092.05        | 10,624.55     | -7.56         | 0.59          | 446,235.64         | 773,871.49        | 7.58             | 12.00               |  |  |
| 10,650.00      | 13.22      | 175.57               | 7,116.52        | 10,649.02     | -12.62        | 0.98          | 446,230.58         | 773,871.88        | 12.66            | 12.00               |  |  |
| 10,675.00      | 16.22      | 175.57               | 7,140.70        | 10,673.20     | -18.96        | 1.47          | 446,224.24         | 773,872.37        | 19.02            | 12.00               |  |  |
| 10,700.00      | 19.22      | 175.57               | 7,164.51        | 10,697.01     | -26.55        | 2.06          | 446,216.65         | 773,872.96        | 26.63            | 12.00               |  |  |
| 10,725.00      | 22.22      | 175.57               | 7,187.89        | 10,720.39     | -35.37        | 2.74          | 446,207.83         | 773,873.64        | 35.47            | 12.00               |  |  |
| 10,750.00      | 25.22      | 175.57               | 7,210.78        | 10,743.28     | -45.39        | 3.52          | 446,197.81         | 773,874.42        | 45.53            | 12.00               |  |  |
| 10,775.00      | 28.22      | 175.57               | 7,233.10        | 10,765.60     | -56.60        | 4.38          | 446,186.60         | 773,875.28        | 56.77            | 12.00               |  |  |
| 10,800.00      | 31.22      | 175.57               | 7,254.81        | 10,787.31     | -68.96        | 5.34          | 446,174.24         | 773,876.24        | 69.16            | 12.00               |  |  |
| 10,825.00      | 34.22      | 175.57               | 7,275.84        | 10,808.34     | -82.43        | 6.38          | 446,160.77         | 773,877.28        | 82.68            | 12.00               |  |  |
| 10,850.00      | 37.22      | 175.57               | 7,296.13        | 10,828.63     | -96.98        | 7.51          | 446,146.22         | 773,878.41        | 97.27            | 12.00               |  |  |
| 10,875.00      | 40.22      | 175.57               | 7,315.64        | 10,848.14     | -112.57       | 8.72          | 446,130.63         | 773,879.62        | 112.91           | 12.00               |  |  |
| 10,900.00      | 43.22      | 175.57               | 7,334.29        | 10,866.79     | -129.16       | 10.00         | 446,114.04         | 773,880.90        | 129.55           | 12.00               |  |  |
| 10,925.00      | 46.22      | 175.57               | 7,352.05        | 10,884.55     | -146.70       | 11.36         | 446,096.50         | 773,882.26        | 147.14           | 12.00               |  |  |
| 10,950.00      | 49.22      | 175.57               | 7,368.87        | 10,901.37     | -165.14       | 12.79         | 446,078.06         | 773,883.69        | 165.63           | 12.00               |  |  |
| 10,975.00      | 52.22      | 175.57               | 7,384.69        | 10,917.19     | -184.43       | 14.28         | 446,058.77         | 773,885.18        | 184.98           | 12.00               |  |  |
| 11,000.00      | 55.22      | 175.57               | 7,399.48        | 10,931.98     | -204.52       | 15.84         | 446,038.68         | 773,886.74        | 205.14           | 12.00               |  |  |
| 11,025.00      | 58.22      | 175.57               | 7,413.20        | 10,945.70     | -225.36       | 17.45         | 446,017.84         | 773,888.35        | 226.03           | 12.00               |  |  |
| 11,050.00      | 61.22      | 175.57               | 7,425.80        | 10,958.30     | -246.88       | 19.12         | 445,996.32         | 773,890.02        | 247.62           | 12.00               |  |  |
| 11,075.00      | 64.22      | 175.57               | 7,437.26        | 10,969.76     | -269.03       | 20.83         | 445,974.17         | 773,891.73        | 269.84           | 12.00               |  |  |
| 11,100.00      | 67.22      | 175.57               | 7,447.53        | 10,980.03     | -291.75       | 22.59         | 445,951.45         | 773,893.49        | 292.63           | 12.00               |  |  |
| 11,125.00      | 70.22      | 175.57               | 7,456.60        | 10,989.10     | -314.98       | 24.39         | 445,928.22         | 773,895.29        | 315.92           | 12.00               |  |  |
| 11,150.00      | 73.22      | 175.57               | 7,464.44        | 10,996.94     | -338.64       | 26.22         | 445,904.56         | 773,897.12        | 339.66           | 12.00               |  |  |
| 11,175.00      | 76.22      | 175.57               | 7,471.03        | 11,003.53     | -362.69       | 28.09         | 445,880.51         | 773,898.99        | 363.77           | 12.00               |  |  |
| 11,200.00      | 79.22      | 175.57               | 7,476.34        | 11,008.84     | -387.04       | 29.97         | 445,856.16         | 773,900.87        | 388.20           | 12.00               |  |  |



Phoenix Technology Services  
Planning Report



|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gamma Ridge 14-24-34      | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Grid                          |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

| Planned Survey          |            |                      |                 |               |               |               |                    |                   |                  |                     |  |
|-------------------------|------------|----------------------|-----------------|---------------|---------------|---------------|--------------------|-------------------|------------------|---------------------|--|
| MD<br>(usft)            | Inc<br>(°) | Azi (azimuth)<br>(°) | TVDSS<br>(usft) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | V. Sec<br>(usft) | DLeg<br>(°/100usft) |  |
| 11,225.00               | 82.22      | 175.57               | 7,480.37        | 11,012.87     | -411.63       | 31.88         | 445,831.57         | 773,902.78        | 412.87           | 12.00               |  |
| 11,250.00               | 85.22      | 175.57               | 7,483.10        | 11,015.60     | -436.41       | 33.79         | 445,806.79         | 773,904.69        | 437.71           | 12.00               |  |
| 11,275.00               | 88.22      | 175.57               | 7,484.53        | 11,017.03     | -461.29       | 35.72         | 445,781.91         | 773,906.62        | 462.67           | 12.00               |  |
| 11,281.46               | 89.00      | 175.57               | 7,484.69        | 11,017.19     | -467.73       | 36.22         | 445,775.47         | 773,907.12        | 469.13           | 12.00               |  |
| LP, 89° Inc, Start hold |            |                      |                 |               |               |               |                    |                   |                  |                     |  |
| 11,300.00               | 89.00      | 175.57               | 7,485.01        | 11,017.51     | -486.21       | 37.65         | 445,756.99         | 773,908.55        | 487.67           | 0.00                |  |
| 11,400.00               | 89.00      | 175.57               | 7,486.76        | 11,019.26     | -585.90       | 45.37         | 445,657.30         | 773,916.27        | 587.65           | 0.00                |  |
| 11,500.00               | 89.00      | 175.57               | 7,488.50        | 11,021.00     | -685.58       | 53.09         | 445,557.62         | 773,923.99        | 687.64           | 0.00                |  |
| 11,600.00               | 89.00      | 175.57               | 7,490.25        | 11,022.75     | -785.27       | 60.81         | 445,457.93         | 773,931.71        | 787.62           | 0.00                |  |
| 11,700.00               | 89.00      | 175.57               | 7,491.99        | 11,024.49     | -884.96       | 68.53         | 445,358.24         | 773,939.43        | 887.60           | 0.00                |  |
| 11,800.00               | 89.00      | 175.57               | 7,493.74        | 11,026.24     | -984.64       | 76.25         | 445,258.56         | 773,947.15        | 987.59           | 0.00                |  |
| 11,900.00               | 89.00      | 175.57               | 7,495.48        | 11,027.98     | -1,084.33     | 83.97         | 445,158.87         | 773,954.87        | 1,087.57         | 0.00                |  |
| 12,000.00               | 89.00      | 175.57               | 7,497.23        | 11,029.73     | -1,184.01     | 91.69         | 445,059.19         | 773,962.59        | 1,187.56         | 0.00                |  |
| 12,100.00               | 89.00      | 175.57               | 7,498.97        | 11,031.47     | -1,283.70     | 99.41         | 444,959.50         | 773,970.31        | 1,287.54         | 0.00                |  |
| 12,200.00               | 89.00      | 175.57               | 7,500.72        | 11,033.22     | -1,383.39     | 107.13        | 444,859.81         | 773,978.03        | 1,387.53         | 0.00                |  |
| 12,300.00               | 89.00      | 175.57               | 7,502.46        | 11,034.96     | -1,483.07     | 114.85        | 444,760.13         | 773,985.75        | 1,487.51         | 0.00                |  |
| 12,400.00               | 89.00      | 175.57               | 7,504.21        | 11,036.71     | -1,582.76     | 122.57        | 444,660.44         | 773,993.47        | 1,587.50         | 0.00                |  |
| 12,500.00               | 89.00      | 175.57               | 7,505.96        | 11,038.46     | -1,682.45     | 130.29        | 444,560.75         | 774,001.19        | 1,687.48         | 0.00                |  |
| 12,600.00               | 89.00      | 175.57               | 7,507.70        | 11,040.20     | -1,782.13     | 138.01        | 444,461.07         | 774,008.91        | 1,787.47         | 0.00                |  |
| 12,700.00               | 89.00      | 175.57               | 7,509.45        | 11,041.95     | -1,881.82     | 145.72        | 444,361.38         | 774,016.62        | 1,887.45         | 0.00                |  |
| 12,800.00               | 89.00      | 175.57               | 7,511.19        | 11,043.69     | -1,981.50     | 153.44        | 444,261.70         | 774,024.34        | 1,987.44         | 0.00                |  |
| 12,900.00               | 89.00      | 175.57               | 7,512.94        | 11,045.44     | -2,081.19     | 161.16        | 444,162.01         | 774,032.06        | 2,087.42         | 0.00                |  |
| 13,000.00               | 89.00      | 175.57               | 7,514.68        | 11,047.18     | -2,180.88     | 168.88        | 444,062.32         | 774,039.78        | 2,187.41         | 0.00                |  |
| 13,100.00               | 89.00      | 175.57               | 7,516.43        | 11,048.93     | -2,280.56     | 176.60        | 443,962.64         | 774,047.50        | 2,287.39         | 0.00                |  |
| 13,200.00               | 89.00      | 175.57               | 7,518.17        | 11,050.67     | -2,380.25     | 184.32        | 443,862.95         | 774,055.22        | 2,387.38         | 0.00                |  |
| 13,300.00               | 89.00      | 175.57               | 7,519.92        | 11,052.42     | -2,479.94     | 192.04        | 443,763.26         | 774,062.94        | 2,487.36         | 0.00                |  |
| 13,400.00               | 89.00      | 175.57               | 7,521.66        | 11,054.16     | -2,579.62     | 199.76        | 443,663.58         | 774,070.66        | 2,587.35         | 0.00                |  |



Phoenix Technology Services  
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|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gamma Ridge 14-24-34      | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Grid                          |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

| Planned Survey |             |                      |                 |               |               |               |                    |                   |                  |                      |  |
|----------------|-------------|----------------------|-----------------|---------------|---------------|---------------|--------------------|-------------------|------------------|----------------------|--|
| MD<br>(usft)   | Incl<br>(°) | Azi (azimuth)<br>(°) | TVDSS<br>(usft) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | V. Sec<br>(usft) | DLeg.<br>(°/100usft) |  |
| 13,500.00      | 89.00       | 175.57               | 7,523.41        | 11,055.91     | -2,679.31     | 207.48        | 443,563.89         | 774,078.38        | 2,687.33         | 0.00                 |  |
| 13,600.00      | 89.00       | 175.57               | 7,525.15        | 11,057.65     | -2,779.00     | 215.20        | 443,464.20         | 774,086.10        | 2,787.32         | 0.00                 |  |
| 13,700.00      | 89.00       | 175.57               | 7,526.90        | 11,059.40     | -2,878.68     | 222.92        | 443,364.52         | 774,093.82        | 2,887.30         | 0.00                 |  |
| 13,800.00      | 89.00       | 175.57               | 7,528.64        | 11,061.14     | -2,978.37     | 230.64        | 443,264.83         | 774,101.54        | 2,987.29         | 0.00                 |  |
| 13,900.00      | 89.00       | 175.57               | 7,530.39        | 11,062.89     | -3,078.05     | 238.36        | 443,165.15         | 774,109.26        | 3,087.27         | 0.00                 |  |
| 14,000.00      | 89.00       | 175.57               | 7,532.13        | 11,064.63     | -3,177.74     | 246.08        | 443,065.46         | 774,116.98        | 3,187.25         | 0.00                 |  |
| 14,100.00      | 89.00       | 175.57               | 7,533.88        | 11,066.38     | -3,277.43     | 253.80        | 442,965.77         | 774,124.70        | 3,287.24         | 0.00                 |  |
| 14,200.00      | 89.00       | 175.57               | 7,535.62        | 11,068.12     | -3,377.11     | 261.52        | 442,866.09         | 774,132.42        | 3,387.22         | 0.00                 |  |
| 14,300.00      | 89.00       | 175.57               | 7,537.37        | 11,069.87     | -3,476.80     | 269.24        | 442,766.40         | 774,140.14        | 3,487.21         | 0.00                 |  |
| 14,400.00      | 89.00       | 175.57               | 7,539.11        | 11,071.61     | -3,576.49     | 276.96        | 442,666.71         | 774,147.86        | 3,587.19         | 0.00                 |  |
| 14,500.00      | 89.00       | 175.57               | 7,540.86        | 11,073.36     | -3,676.17     | 284.68        | 442,567.03         | 774,155.58        | 3,687.18         | 0.00                 |  |
| 14,600.00      | 89.00       | 175.57               | 7,542.61        | 11,075.11     | -3,775.86     | 292.40        | 442,467.34         | 774,163.30        | 3,787.16         | 0.00                 |  |
| 14,700.00      | 89.00       | 175.57               | 7,544.35        | 11,076.85     | -3,875.55     | 300.12        | 442,367.65         | 774,171.02        | 3,887.15         | 0.00                 |  |
| 14,800.00      | 89.00       | 175.57               | 7,546.10        | 11,078.60     | -3,975.23     | 307.84        | 442,267.97         | 774,178.74        | 3,987.13         | 0.00                 |  |
| 14,900.00      | 89.00       | 175.57               | 7,547.84        | 11,080.34     | -4,074.92     | 315.55        | 442,168.28         | 774,186.45        | 4,087.12         | 0.00                 |  |
| 15,000.00      | 89.00       | 175.57               | 7,549.59        | 11,082.09     | -4,174.60     | 323.27        | 442,068.60         | 774,194.17        | 4,187.10         | 0.00                 |  |
| 15,100.00      | 89.00       | 175.57               | 7,551.33        | 11,083.83     | -4,274.29     | 330.99        | 441,968.91         | 774,201.89        | 4,287.09         | 0.00                 |  |
| 15,200.00      | 89.00       | 175.57               | 7,553.08        | 11,085.58     | -4,373.98     | 338.71        | 441,869.22         | 774,209.61        | 4,387.07         | 0.00                 |  |
| 15,300.00      | 89.00       | 175.57               | 7,554.82        | 11,087.32     | -4,473.66     | 346.43        | 441,769.54         | 774,217.33        | 4,487.06         | 0.00                 |  |
| 15,400.00      | 89.00       | 175.57               | 7,556.57        | 11,089.07     | -4,573.35     | 354.15        | 441,669.85         | 774,225.05        | 4,587.04         | 0.00                 |  |
| 15,484.82      | 89.00       | 175.57               | 7,558.05        | 11,090.55     | -4,657.90     | 360.70        | 441,585.30         | 774,231.60        | 4,671.85         | 0.00                 |  |
| TD at 15484.82 |             |                      |                 |               |               |               |                    |                   |                  |                      |  |



Phoenix Technology Services  
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|           |                           |                              |                               |
|-----------|---------------------------|------------------------------|-------------------------------|
| Company:  | Chevron                   | Local Co-ordinate Reference: | Well #2H                      |
| Project:  | Lea County NM (NAD27 NME) | TVD Reference:               | KB @ 3532.50usft (Ensign 153) |
| Site:     | Gramma Ridge 14-24-34     | MD Reference:                | KB @ 3532.50usft (Ensign 153) |
| Well:     | #2H                       | North Reference:             | Grid                          |
| Wellbore: | WB1/Job #1410440          | Survey Calculation Method:   | Minimum Curvature             |
| Design:   | Plan #3 06-02-14          | Database:                    | Compass 5000 GCR DB           |

| Formations:           |                       |                                 |           |         |                   |  |
|-----------------------|-----------------------|---------------------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                            | Lithology | Dip (°) | Dip Direction (°) |  |
| 11,281.43             | 11,009.00             | TL 11009' TVD @ 0° VS w/89° Inc |           | 1.00    | 175.57            |  |

| Plan Annotations      |                       |                   |              |  |                           |
|-----------------------|-----------------------|-------------------|--------------|--|---------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |  |                           |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |  | Comment                   |
| 10,539.80             | 10,539.80             | 0.00              | 0.00         |  | KOP, Start 12"/100' Build |
| 11,281.46             | 11,017.19             | -467.73           | 36.22        |  | LP, 89° Inc, Start hold   |
| 15,484.82             | 11,090.55             | -4,657.90         | 360.70       |  | TD at 15484.82            |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|