

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

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

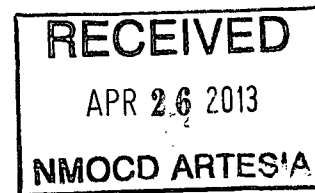
|                                                                                                                                                                                                        |  |                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) |  | WELL API NO.<br>30-015-41047                                                                        |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                         |  | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator<br>Chevron USA, Inc.                                                                                                                                                               |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator 15 Smith Road Midland, TX 79705                                                                                                                                                 |  | 7. Lease Name or Unit Agreement Name<br>SKEEN 2 26 27 ST                                            |
| 4. Well Location<br>Unit Letter C : 175' feet from the North line and 1980' feet from the West line<br>Section 2 Township 26S Range 27E NMPM County Eddy                                               |  | 8. Well Number 2H                                                                                   |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3204' GL                                                                                                                                         |  | 9. OGRID Number<br>4323                                                                             |
|                                                                                                                                                                                                        |  | 10. Pool name or Wildcat<br>DELAWARE RIVER ; BONE SPRING                                            |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

|                                                                       |                                           |                                                       |                                          |
|-----------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------|------------------------------------------|
| NOTICE OF INTENTION TO:                                               |                                           | SUBSEQUENT REPORT OF:                                 |                                          |
| PERFORM REMEDIAL WORK <input type="checkbox"/>                        | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>                          | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/>      | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>                         | MULTIPLE COMPL <input type="checkbox"/>   | CASING/CEMENT JOB <input checked="" type="checkbox"/> |                                          |
| DOWNHOLE COMMINGLE <input type="checkbox"/>                           |                                           |                                                       |                                          |
| OTHER: Move Surface Hole Location <input checked="" type="checkbox"/> |                                           | OTHER: <input type="checkbox"/>                       |                                          |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Please find our request to move the surface location of this well in order to accomodate a larger drilling rig.  
The amended NMOCD C-102 plat, C-144 (CLEZ) pit permit, and directional drill planning report are attached.  
The NSL application is to be/has been submitted.



Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bryan Arrant TITLE Regulatory Specialist II DATE 04/19/2013

Type or print name Bryan Arrant (Agent for Chevron) E-mail address: bryan.arrant@chkc.com PHONE: (405)935-3782

For State Use Only

APPROVED BY: J. Wade TITLE Dist. R. Spenser DATE 5/1/2013

Conditions of Approval (if any):

District I  
1625 N. French Dr., Hobbs, NM 88240  
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Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                                |                                                          |                                                              |
|------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-015-41047</b> | <sup>2</sup> Pool Code<br><b>16800</b>                   | <sup>3</sup> Pool Name<br><b>DELAWARE RIVER; BONE SPRING</b> |
| <sup>4</sup> Property Code<br><b>39683</b>     | <sup>5</sup> Property Name<br><b>SKEEN 2 26 27 ST</b>    | <sup>6</sup> Well Number<br><b>2H</b>                        |
| <sup>7</sup> OGRID No.<br><b>4323</b>          | <sup>8</sup> Operator Name<br><b>CHEVRON U.S.A. INC.</b> | <sup>9</sup> Elevation<br><b>3204'</b>                       |

**<sup>10</sup> Surface Location**

| UL or lot no. | Section | Township | Range             | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------------------|---------|---------------|------------------|---------------|----------------|--------|
| C             | 2       | 26 SOUTH | 27 EAST, N.M.P.M. |         | 175'          | NORTH            | 1980'         | WEST           | EDDY   |

**<sup>11</sup> Bottom Hole Location If Different From Surface**

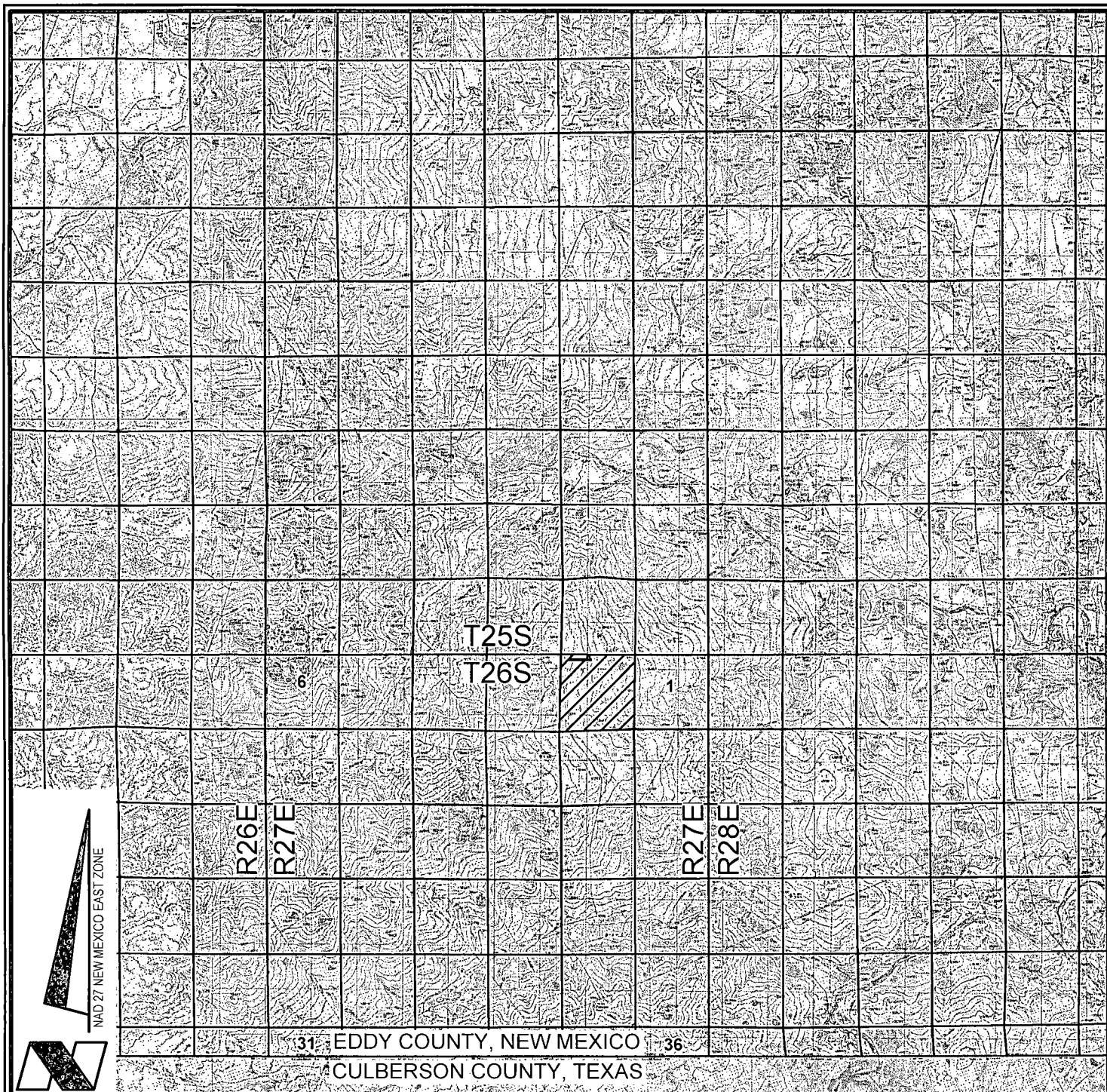
| UL or lot no. | Section | Township | Range             | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------------------|---------|---------------|------------------|---------------|----------------|--------|
| N             | 2       | 26 SOUTH | 27 EAST, N.M.P.M. |         | 250'          | SOUTH            | 1980'         | WEST           | EDDY   |

| <sup>12</sup> Dedicated Acres | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
| 160                           |                               |                                  |                         |

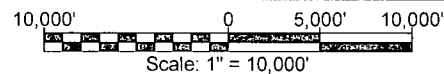
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Bryan Arrant</i> 4/19/2013<br/>Signature Date</p> <p>Bryan Arrant (Agent for Chevron)<br/>Printed Name</p> <p>bryan.arrant@chx.com<br/>E-mail Address</p> |
|  | <p><b><sup>18</sup> 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>4.18.13<br/>Date of Survey</p> <p><i>[Signature]</i><br/>Signature and Seal of Professional Surveyor</p> <p>WM. J. DANIEL III<br/>NEW MEXICO<br/>REGISTERED PROFESSIONAL SURVEYOR<br/>15078</p> <p>Certificate Number<br/><b>#15078</b></p>                                                                                                                                                                                                            |





VICINITY MAP



**CHEVRON U.S.A. INC.**

SKEEN 2-26-27 ST NO. 2H WELL  
 LOCATED 175' FNL AND 1980' FWL  
 SECTION 2, T26S-R27E  
 EDDY COUNTY, NEW MEXICO



Lafayette New Orleans Houston  
 135 Regency Sq. Lafayette, LA 70508  
 Ph. 337-237-2200 Fax. 337-232-3299  
[www.fenstermaker.com](http://www.fenstermaker.com)

DRAWN BY: BMO

PROJ. MGR.: DBM

REVISED: 04/09/2013 BMO

DATE: 01/18/2013

SHEET 2 OF 3 SHEETS

FILENAME: T:\2012\2128636\DWG\CUI-Skeen 2-26-27 ST 2H APD.dwg

| SKEEN 2-26-27 ST.<br>NO. 2H WELL                                                                 | NW ARCH. AREA CRN.                                          | NE ARCH. AREA CRN.                                          | SE ARCH. AREA CRN.                                          | SW ARCH. AREA CRN.                                          | NW PAD CRN.                                                 | NE PAD CRN.                                                 | SE PAD CRN.                                                 |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| X= 552,860 NAD 27<br>Y= 392,271<br>LAT: 32.078354<br>LONG: 104.162670                            | X= 552,540 NAD 27<br>Y= 392,556<br>ELEVATION +3210' NAVD 88 | X= 553,140 NAD 27<br>Y= 392,556<br>ELEVATION +3198' NAVD 88 | X= 553,140 NAD 27<br>Y= 391,956<br>ELEVATION +3201' NAVD 88 | X= 552,540 NAD 27<br>Y= 391,956<br>ELEVATION +3209' NAVD 88 | X= 552,640 NAD 27<br>Y= 392,421<br>ELEVATION +3208' NAVD 88 | X= 553,040 NAD 27<br>Y= 392,421<br>ELEVATION +3202' NAVD 88 | X= 553,040 NAD 27<br>Y= 392,091<br>ELEVATION +3202' NAVD 88 |
|                                                                                                  | SW PAD CRN.                                                 | NW FACILITY PAD CRN.                                        | NE FACILITY PAD CRN.                                        | SE FACILITY PAD CRN.                                        | SW FACILITY PAD CRN.                                        |                                                             |                                                             |
| X= 594,044 NAD83<br>Y= 392,329<br>LAT: 32.078477<br>LONG: 104.163162<br>ELEVATION +3204' NAVD 88 | X= 552,640 NAD 27<br>Y= 392,091<br>ELEVATION +3207' NAVD 88 | X= 552,390 NAD 27<br>Y= 392,342<br>ELEVATION +3211' NAVD 88 | X= 552,640 NAD 27<br>Y= 392,341<br>ELEVATION +3208' NAVD 88 | X= 552,640 NAD 27<br>Y= 392,091<br>ELEVATION +3206' NAVD 88 | X= 552,390 NAD 27<br>Y= 392,091<br>ELEVATION +3210' NAVD 88 |                                                             |                                                             |

Sec. 34

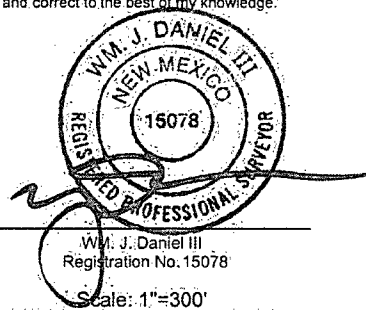
Bureau of Land Management

T25S-R27E  
T26S-R27E

Sec. 3

Bureau of Land Management

FOR THE EXCLUSIVE USE OF  
CHEVRON U.S.A. INC.  
I, WM. J. DANIEL III, Registered Professional  
Land Surveyor, do hereby state this plat is true  
and correct to the best of my knowledge.



Wm. J. Daniel III  
Registration No. 15078

Scale: 1"=300'



135 Regency Sq. Lafayette, LA 70508  
Ph. 337-237-2200 Fax. 337-232-3299  
www.fenstermaker.com

NOTE:

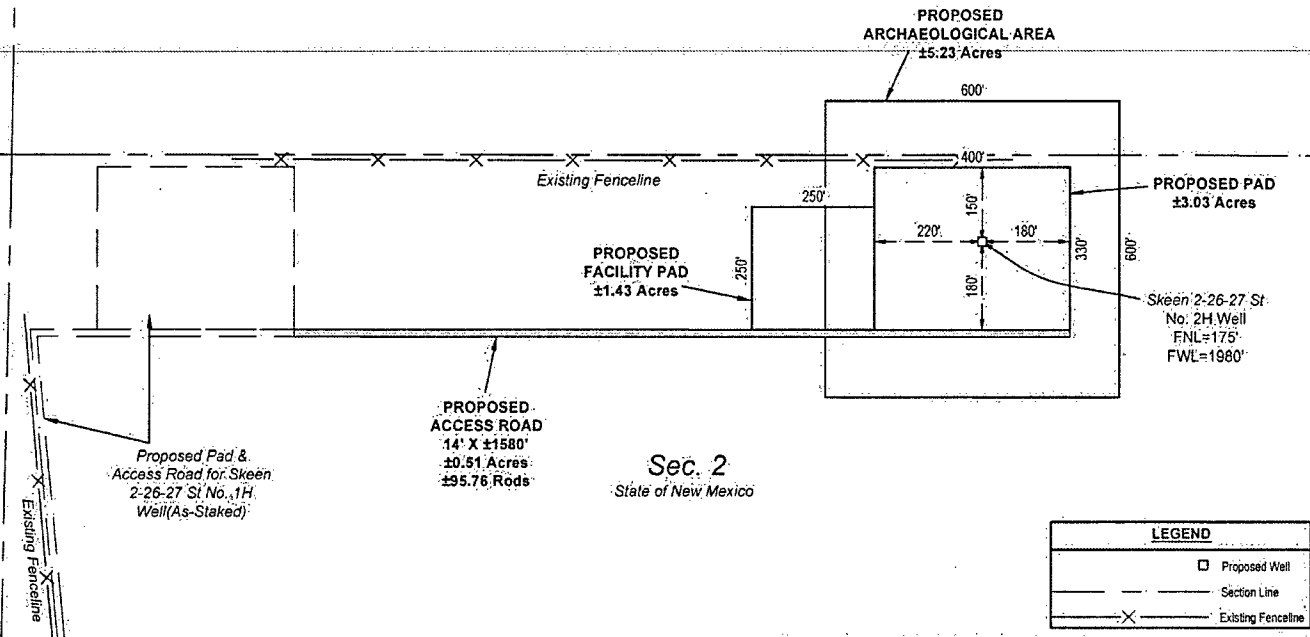
PLEASE BE ADVISED, THAT WHILE REASONABLE EFFORTS ARE MADE TO LOCATE AND VERIFY PIPELINES AND ANOMALIES USING OUR STANDARD PIPELINE LOCATING EQUIPMENT, IT IS IMPOSSIBLE TO BE 100% EFFECTIVE. AS SUCH, WE ADVISE USING CAUTION WHEN PERFORMING WORK AS THERE IS A POSSIBILITY THAT PIPELINES AND OTHER HAZARDS, SUCH AS FIBER OPTIC CABLES, PVC PIPELINES, ETC. MAY EXIST UNDETECTED ON SITE.

MANY STATES MAINTAIN INFORMATION CENTERS THAT ESTABLISH LINKS BETWEEN THOSE WHO DIG (EXCAVATORS) AND THOSE WHO OWN AND OPERATE UNDERGROUND FACILITIES (OPERATORS). IT IS ADVISABLE AND IN MOST STATES, LAW, FOR THE CONTRACTOR TO CONTACT THE CENTER FOR ASSISTANCE IN LOCATING AND MARKING UNDERGROUND UTILITIES. NEW MEXICO ONE CALL, <http://www.nmonecall.org/>.

DISCLAIMER: AT THIS TIME, FENSTERMAKER & ASSOCIATES, LLC HAS NOT PERFORMED NOR WAS ASKED TO PERFORM ANY TYPE OF ENGINEERING, HYDROLOGICAL MODELING, FLOOD PLAIN, OR "NO RISE" CERTIFICATION ANALYSES, INCLUDING BUT NOT LIMITED TO: DETERMINING WHETHER THE PROJECT WILL IMPACT FLOOD HAZARDS IN CONNECTION WITH FEDERAL/FEMA, STATE, AND/OR LOCAL LAWS, ORDINANCES AND REGULATIONS. ACCORDINGLY, FENSTERMAKER MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, AS TO THE FOREGOING ISSUES, AND PERSONS OR ENTITIES USING THIS INFORMATION SHALL DO SO AT THEIR OWN RISK.

Sec. 35

Bureau of Land Management



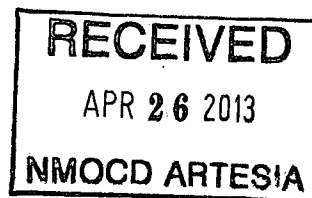
Sec. 2

State of New Mexico

| LEGEND                   |                     |
|--------------------------|---------------------|
| <input type="checkbox"/> | Proposed Well       |
| ---                      | Section Line        |
| -X-                      | Existing Fence Line |

CHEVRON U.S.A. INC.  
PROPOSED PAD & ACCESS ROAD  
SKEEN 2-26-27 ST NO. 2H WELL  
SECTION 2, T26S-R27E  
EDDY COUNTY, NEW MEXICO

| DRAWN BY: BMO                                                |       | REVISIONS        |                 |
|--------------------------------------------------------------|-------|------------------|-----------------|
| PROJ. MGR.: DBM                                              | No. 1 | DATE: 04/09/2013 | REVISED BY: BMO |
| DATE: 01/18/2013                                             | No.   | DATE:            | REVISED BY:     |
| FILENAME: T:\2012\128638\DWG\CUI-Skeen 2-26-27 ST 2H SUP.dwg |       |                  |                 |



## **Permian District**

**NM - Bone Spring Sand Project**

**Skeen 2-26-27 ST 2H**

**Well #1**

**Wellbore #1**

**Plan: Plat 18Apr13**

## **Standard Planning Report**

**22 April, 2013**

# Chesapeake Operating

## Planning Report

|           |                               |                              |                          |
|-----------|-------------------------------|------------------------------|--------------------------|
| Database: | Drilling Database             | Local Co-ordinate Reference: | Site Skeen 2-26-27 ST 2H |
| Company:  | Permian District              | TVD Reference:               | RKB @ 3221.0usft         |
| Project:  | NM - Bone Spring Sand Project | MD Reference:                | RKB @ 3221.0usft         |
| Site:     | Skeen 2-26-27 ST 2H           | North Reference:             | Grid                     |
| Well:     | Well #1                       | Survey Calculation Method:   | Minimum Curvature        |
| Wellbore: | Wellbore #1                   |                              |                          |
| Design:   | Plat 18Apr13                  |                              |                          |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project     | NM - Bone Spring Sand Project        |               |                |
| 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                  | Skeen 2-26-27 ST 2H |                   |                       |
| Site Position:        |                     | Northing:         | 392,271.00 ft         |
| From:                 | Map                 | Easting:          | 552,860.00 ft         |
| Position Uncertainty: | 0.0 usft            | Slot Radius:      | 13.200 in             |
|                       |                     | Latitude:         | 32° 4' 42.06549923 N  |
|                       |                     | Longitude:        | 104° 9' 45.62163372 W |
|                       |                     | Grid Convergence: | 0.09 °                |

|                      |          |                     |                         |
|----------------------|----------|---------------------|-------------------------|
| Well                 | Well #1  |                     |                         |
| Well Position        | +N/-S    | 0.0 usft            | Northing: 392,271.00 ft |
|                      | +E/-W    | 0.0 usft            | Easting: 552,860.00 ft  |
| Position Uncertainty | 0.0 usft | Wellhead Elevation: | 3,204.0 usft            |
|                      |          | Latitude:           | 32° 4' 42.06549923 N    |
|                      |          | Longitude:          | 104° 9' 45.62163372 W   |
|                      |          | Ground Level:       | 3,204.0 usft            |

|           |             |             |                     |
|-----------|-------------|-------------|---------------------|
| Wellbore  | Wellbore #1 |             |                     |
| Magnetics | Model Name  | Sample Date | Declination (°)     |
|           | IGRF2010    | 1/25/2013   | 7.65                |
|           |             |             | Dip/Angle (°)       |
|           |             |             | 59.91               |
|           |             |             | Field Strength (nT) |
|           |             |             | 48,303              |

|                   |                  |        |                   |
|-------------------|------------------|--------|-------------------|
| Design            | Plat 18Apr13     |        |                   |
| Audit Notes:      |                  |        |                   |
| Version:          | Phase:           | PLAN   | Tie On Depth: 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S  | +E/-W             |
|                   | (usft)           | (usft) | (usft)            |
|                   | 0.0              | 0.0    | 0.0               |
|                   |                  |        | Direction (°)     |
|                   |                  |        | 181.13            |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                    |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target             |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 7,306.7               | 0.00            | 0.00        | 7,306.7               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 8,057.5               | 90.10           | 181.13      | 7,784.1               | -478.2       | -9.4         | 12.00                   | 12.00                  | 0.00                  | 181.13  |                    |
| 12,593.2              | 90.10           | 181.13      | 7,776.2               | -5,013.0     | -99.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    | Skeen 2-26-27 ST ; |

# Chesapeake Operating

## Planning Report

|           |                               |                              |                          |
|-----------|-------------------------------|------------------------------|--------------------------|
| Database: | Drilling Database             | Local Co-ordinate Reference: | Site Skeen 2-26-27 ST 2H |
| Company:  | Permian District              | TVD Reference:               | RKB @ 3221.0usft         |
| Project:  | NM - Bone Spring Sand Project | MD Reference:                | RKB @ 3221.0usft         |
| Site:     | Skeen 2-26-27 ST 2H           | North Reference:             | Grid                     |
| Well:     | Well #1                       | Survey Calculation Method:   | Minimum Curvature        |
| Wellbore: | Wellbore #1                   |                              |                          |
| Design:   | Plat 18Apr13                  |                              |                          |

### Planned Survey

| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 0.0                         | 0.00               | 0.00           | 0.0                         | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 100.0                       | 0.00               | 0.00           | 100.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 200.0                       | 0.00               | 0.00           | 200.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 300.0                       | 0.00               | 0.00           | 300.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 400.0                       | 0.00               | 0.00           | 400.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 500.0                       | 0.00               | 0.00           | 500.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 600.0                       | 0.00               | 0.00           | 600.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 700.0                       | 0.00               | 0.00           | 700.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 800.0                       | 0.00               | 0.00           | 800.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 900.0                       | 0.00               | 0.00           | 900.0                       | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,000.0                     | 0.00               | 0.00           | 1,000.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,100.0                     | 0.00               | 0.00           | 1,100.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,200.0                     | 0.00               | 0.00           | 1,200.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,300.0                     | 0.00               | 0.00           | 1,300.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,400.0                     | 0.00               | 0.00           | 1,400.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,500.0                     | 0.00               | 0.00           | 1,500.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,600.0                     | 0.00               | 0.00           | 1,600.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,700.0                     | 0.00               | 0.00           | 1,700.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,800.0                     | 0.00               | 0.00           | 1,800.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,900.0                     | 0.00               | 0.00           | 1,900.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,000.0                     | 0.00               | 0.00           | 2,000.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,100.0                     | 0.00               | 0.00           | 2,100.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,200.0                     | 0.00               | 0.00           | 2,200.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,300.0                     | 0.00               | 0.00           | 2,300.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,400.0                     | 0.00               | 0.00           | 2,400.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,500.0                     | 0.00               | 0.00           | 2,500.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,600.0                     | 0.00               | 0.00           | 2,600.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,700.0                     | 0.00               | 0.00           | 2,700.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,800.0                     | 0.00               | 0.00           | 2,800.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 2,900.0                     | 0.00               | 0.00           | 2,900.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,000.0                     | 0.00               | 0.00           | 3,000.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,100.0                     | 0.00               | 0.00           | 3,100.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,200.0                     | 0.00               | 0.00           | 3,200.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,300.0                     | 0.00               | 0.00           | 3,300.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,400.0                     | 0.00               | 0.00           | 3,400.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,500.0                     | 0.00               | 0.00           | 3,500.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,600.0                     | 0.00               | 0.00           | 3,600.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,700.0                     | 0.00               | 0.00           | 3,700.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,800.0                     | 0.00               | 0.00           | 3,800.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 3,900.0                     | 0.00               | 0.00           | 3,900.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,000.0                     | 0.00               | 0.00           | 4,000.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,100.0                     | 0.00               | 0.00           | 4,100.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,200.0                     | 0.00               | 0.00           | 4,200.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,300.0                     | 0.00               | 0.00           | 4,300.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,400.0                     | 0.00               | 0.00           | 4,400.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,500.0                     | 0.00               | 0.00           | 4,500.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,600.0                     | 0.00               | 0.00           | 4,600.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,700.0                     | 0.00               | 0.00           | 4,700.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,800.0                     | 0.00               | 0.00           | 4,800.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 4,900.0                     | 0.00               | 0.00           | 4,900.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,000.0                     | 0.00               | 0.00           | 5,000.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,100.0                     | 0.00               | 0.00           | 5,100.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,200.0                     | 0.00               | 0.00           | 5,200.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,300.0                     | 0.00               | 0.00           | 5,300.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |

# Chesapeake Operating

## Planning Report

|           |                               |                              |                          |
|-----------|-------------------------------|------------------------------|--------------------------|
| Database: | Drilling Database             | Local Co-ordinate Reference: | Site Skeen 2-26-27 ST 2H |
| Company:  | Permian District              | TVD Reference:               | RKB @ 3221.0usft         |
| Project:  | NM - Bone Spring Sand Project | MD Reference:                | RKB @ 3221.0usft         |
| Site:     | Skeen 2-26-27 ST 2H           | North Reference:             | Grid                     |
| Well:     | Well #1                       | Survey Calculation Method:   | Minimum Curvature        |
| Wellbore: | Wellbore #1                   |                              |                          |
| Design:   | Plat 18Apr13                  |                              |                          |

| Planned Survey              |                    |                |                             |                 |                 |                               |                               |                              |                             |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 5,400.0                     | 0.00               | 0.00           | 5,400.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,500.0                     | 0.00               | 0.00           | 5,500.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,600.0                     | 0.00               | 0.00           | 5,600.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,700.0                     | 0.00               | 0.00           | 5,700.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,800.0                     | 0.00               | 0.00           | 5,800.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 5,900.0                     | 0.00               | 0.00           | 5,900.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,000.0                     | 0.00               | 0.00           | 6,000.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,100.0                     | 0.00               | 0.00           | 6,100.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,200.0                     | 0.00               | 0.00           | 6,200.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,300.0                     | 0.00               | 0.00           | 6,300.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,400.0                     | 0.00               | 0.00           | 6,400.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,500.0                     | 0.00               | 0.00           | 6,500.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,600.0                     | 0.00               | 0.00           | 6,600.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,700.0                     | 0.00               | 0.00           | 6,700.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,800.0                     | 0.00               | 0.00           | 6,800.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 6,900.0                     | 0.00               | 0.00           | 6,900.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 7,000.0                     | 0.00               | 0.00           | 7,000.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 7,100.0                     | 0.00               | 0.00           | 7,100.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 7,200.0                     | 0.00               | 0.00           | 7,200.0                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 7,306.7                     | 0.00               | 0.00           | 7,306.7                     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 7,325.0                     | 2.20               | 181.13         | 7,325.0                     | -0.4            | 0.0             | 0.4                           | 12.00                         | 12.00                        | 0.00                        |
| 7,350.0                     | 5.20               | 181.13         | 7,349.9                     | -2.0            | 0.0             | 2.0                           | 12.00                         | 12.00                        | 0.00                        |
| 7,375.0                     | 8.20               | 181.13         | 7,374.8                     | -4.9            | -0.1            | 4.9                           | 12.00                         | 12.00                        | 0.00                        |
| 7,400.0                     | 11.20              | 181.13         | 7,399.4                     | -9.1            | -0.2            | 9.1                           | 12.00                         | 12.00                        | 0.00                        |
| 7,425.0                     | 14.20              | 181.13         | 7,423.8                     | -14.6           | -0.3            | 14.6                          | 12.00                         | 12.00                        | 0.00                        |
| 7,450.0                     | 17.20              | 181.13         | 7,447.9                     | -21.4           | -0.4            | 21.4                          | 12.00                         | 12.00                        | 0.00                        |
| 7,475.0                     | 20.20              | 181.13         | 7,471.5                     | -29.4           | -0.6            | 29.4                          | 12.00                         | 12.00                        | 0.00                        |
| 7,500.0                     | 23.20              | 181.13         | 7,494.8                     | -38.6           | -0.8            | 38.6                          | 12.00                         | 12.00                        | 0.00                        |
| 7,525.0                     | 26.20              | 181.13         | 7,517.5                     | -49.1           | -1.0            | 49.1                          | 12.00                         | 12.00                        | 0.00                        |
| 7,550.0                     | 29.20              | 181.13         | 7,539.6                     | -60.7           | -1.2            | 60.7                          | 12.00                         | 12.00                        | 0.00                        |
| 7,575.0                     | 32.20              | 181.13         | 7,561.1                     | -73.4           | -1.5            | 73.4                          | 12.00                         | 12.00                        | 0.00                        |
| 7,600.0                     | 35.20              | 181.13         | 7,581.9                     | -87.3           | -1.7            | 87.3                          | 12.00                         | 12.00                        | 0.00                        |
| 7,625.0                     | 38.20              | 181.13         | 7,601.9                     | -102.2          | -2.0            | 102.3                         | 12.00                         | 12.00                        | 0.00                        |
| 7,650.0                     | 41.20              | 181.13         | 7,621.2                     | -118.2          | -2.3            | 118.2                         | 12.00                         | 12.00                        | 0.00                        |
| 7,675.0                     | 44.20              | 181.13         | 7,639.5                     | -135.1          | -2.7            | 135.2                         | 12.00                         | 12.00                        | 0.00                        |
| 7,700.0                     | 47.20              | 181.13         | 7,657.0                     | -153.0          | -3.0            | 153.1                         | 12.00                         | 12.00                        | 0.00                        |
| 7,725.0                     | 50.20              | 181.13         | 7,673.5                     | -171.8          | -3.4            | 171.8                         | 12.00                         | 12.00                        | 0.00                        |
| 7,750.0                     | 53.20              | 181.13         | 7,689.0                     | -191.4          | -3.8            | 191.5                         | 12.00                         | 12.00                        | 0.00                        |
| 7,775.0                     | 56.20              | 181.13         | 7,703.4                     | -211.8          | -4.2            | 211.9                         | 12.00                         | 12.00                        | 0.00                        |
| 7,800.0                     | 59.20              | 181.13         | 7,716.8                     | -232.9          | -4.6            | 233.0                         | 12.00                         | 12.00                        | 0.00                        |
| 7,825.0                     | 62.20              | 181.13         | 7,729.0                     | -254.7          | -5.0            | 254.8                         | 12.00                         | 12.00                        | 0.00                        |
| 7,850.0                     | 65.20              | 181.13         | 7,740.1                     | -277.2          | -5.5            | 277.2                         | 12.00                         | 12.00                        | 0.00                        |
| 7,875.0                     | 68.20              | 181.13         | 7,750.0                     | -300.1          | -5.9            | 300.2                         | 12.00                         | 12.00                        | 0.00                        |
| 7,900.0                     | 71.20              | 181.13         | 7,758.6                     | -323.5          | -6.4            | 323.6                         | 12.00                         | 12.00                        | 0.00                        |
| 7,925.0                     | 74.20              | 181.13         | 7,766.1                     | -347.4          | -6.9            | 347.5                         | 12.00                         | 12.00                        | 0.00                        |
| 7,950.0                     | 77.20              | 181.13         | 7,772.3                     | -371.6          | -7.3            | 371.7                         | 12.00                         | 12.00                        | 0.00                        |
| 7,975.0                     | 80.20              | 181.13         | 7,777.2                     | -396.1          | -7.8            | 396.2                         | 12.00                         | 12.00                        | 0.00                        |
| 8,000.0                     | 83.20              | 181.13         | 7,780.8                     | -420.9          | -8.3            | 420.9                         | 12.00                         | 12.00                        | 0.00                        |
| 8,025.0                     | 86.20              | 181.13         | 7,783.1                     | -445.7          | -8.8            | 445.8                         | 12.00                         | 12.00                        | 0.00                        |
| 8,050.0                     | 89.20              | 181.13         | 7,784.1                     | -470.7          | -9.3            | 470.8                         | 12.00                         | 12.00                        | 0.00                        |
| 8,057.5                     | 90.10              | 181.13         | 7,784.1                     | -478.2          | -9.4            | 478.3                         | 12.00                         | 12.00                        | 0.00                        |
| 8,100.0                     | 90.10              | 181.13         | 7,784.0                     | -520.7          | -10.3           | 520.8                         | 0.00                          | 0.00                         | 0.00                        |
| 8,200.0                     | 90.10              | 181.13         | 7,783.9                     | -620.7          | -12.3           | 620.8                         | 0.00                          | 0.00                         | 0.00                        |
| 8,300.0                     | 90.10              | 181.13         | 7,783.7                     | -720.7          | -14.2           | 720.8                         | 0.00                          | 0.00                         | 0.00                        |

# Chesapeake Operating

## Planning Report

|           |                               |                              |                          |
|-----------|-------------------------------|------------------------------|--------------------------|
| Database: | Drilling Database             | Local Co-ordinate Reference: | Site Skeen 2-26-27 ST 2H |
| Company:  | Permian District              | TVD Reference:               | RKB @ 3221.0usft         |
| Project:  | NM - Bone Spring Sand Project | MD Reference:                | RKB @ 3221.0usft         |
| Site:     | Skeen 2-26-27 ST 2H           | North Reference:             | Grid                     |
| Well:     | Well #1                       | Survey Calculation Method:   | Minimum Curvature        |
| Wellbore: | Wellbore #1                   |                              |                          |
| Design:   | Plat 18Apr13                  |                              |                          |

### Planned Survey

| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 8,400.0                     | 90.10              | 181.13         | 7,783.5                     | -820.7          | -16.2           | 820.8                         | 0.00                          | 0.00                         | 0.00                        |
| 8,500.0                     | 90.10              | 181.13         | 7,783.3                     | -920.6          | -18.2           | 920.8                         | 0.00                          | 0.00                         | 0.00                        |
| 8,600.0                     | 90.10              | 181.13         | 7,783.2                     | -1,020.6        | -20.2           | 1,020.8                       | 0.00                          | 0.00                         | 0.00                        |
| 8,700.0                     | 90.10              | 181.13         | 7,783.0                     | -1,120.6        | -22.1           | 1,120.8                       | 0.00                          | 0.00                         | 0.00                        |
| 8,800.0                     | 90.10              | 181.13         | 7,782.8                     | -1,220.6        | -24.1           | 1,220.8                       | 0.00                          | 0.00                         | 0.00                        |
| 8,900.0                     | 90.10              | 181.13         | 7,782.6                     | -1,320.6        | -26.1           | 1,320.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,000.0                     | 90.10              | 181.13         | 7,782.5                     | -1,420.5        | -28.1           | 1,420.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,100.0                     | 90.10              | 181.13         | 7,782.3                     | -1,520.5        | -30.0           | 1,520.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,200.0                     | 90.10              | 181.13         | 7,782.1                     | -1,620.5        | -32.0           | 1,620.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,300.0                     | 90.10              | 181.13         | 7,781.9                     | -1,720.5        | -34.0           | 1,720.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,400.0                     | 90.10              | 181.13         | 7,781.8                     | -1,820.5        | -36.0           | 1,820.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,500.0                     | 90.10              | 181.13         | 7,781.6                     | -1,920.4        | -37.9           | 1,920.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,600.0                     | 90.10              | 181.13         | 7,781.4                     | -2,020.4        | -39.9           | 2,020.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,700.0                     | 90.10              | 181.13         | 7,781.2                     | -2,120.4        | -41.9           | 2,120.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,800.0                     | 90.10              | 181.13         | 7,781.1                     | -2,220.4        | -43.8           | 2,220.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,900.0                     | 90.10              | 181.13         | 7,780.9                     | -2,320.4        | -45.8           | 2,320.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,000.0                    | 90.10              | 181.13         | 7,780.7                     | -2,420.3        | -47.8           | 2,420.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,100.0                    | 90.10              | 181.13         | 7,780.6                     | -2,520.3        | -49.8           | 2,520.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,200.0                    | 90.10              | 181.13         | 7,780.4                     | -2,620.3        | -51.7           | 2,620.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,300.0                    | 90.10              | 181.13         | 7,780.2                     | -2,720.3        | -53.7           | 2,720.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,400.0                    | 90.10              | 181.13         | 7,780.0                     | -2,820.3        | -55.7           | 2,820.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,500.0                    | 90.10              | 181.13         | 7,779.9                     | -2,920.2        | -57.7           | 2,920.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,600.0                    | 90.10              | 181.13         | 7,779.7                     | -3,020.2        | -59.6           | 3,020.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,700.0                    | 90.10              | 181.13         | 7,779.5                     | -3,120.2        | -61.6           | 3,120.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,800.0                    | 90.10              | 181.13         | 7,779.3                     | -3,220.2        | -63.6           | 3,220.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,900.0                    | 90.10              | 181.13         | 7,779.2                     | -3,320.2        | -65.6           | 3,320.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,000.0                    | 90.10              | 181.13         | 7,779.0                     | -3,420.1        | -67.5           | 3,420.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,100.0                    | 90.10              | 181.13         | 7,778.8                     | -3,520.1        | -69.5           | 3,520.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,200.0                    | 90.10              | 181.13         | 7,778.6                     | -3,620.1        | -71.5           | 3,620.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,300.0                    | 90.10              | 181.13         | 7,778.5                     | -3,720.1        | -73.5           | 3,720.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,400.0                    | 90.10              | 181.13         | 7,778.3                     | -3,820.1        | -75.4           | 3,820.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,500.0                    | 90.10              | 181.13         | 7,778.1                     | -3,920.0        | -77.4           | 3,920.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,600.0                    | 90.10              | 181.13         | 7,777.9                     | -4,020.0        | -79.4           | 4,020.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,700.0                    | 90.10              | 181.13         | 7,777.8                     | -4,120.0        | -81.4           | 4,120.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,800.0                    | 90.10              | 181.13         | 7,777.6                     | -4,220.0        | -83.3           | 4,220.8                       | 0.00                          | 0.00                         | 0.00                        |
| 11,900.0                    | 90.10              | 181.13         | 7,777.4                     | -4,320.0        | -85.3           | 4,320.8                       | 0.00                          | 0.00                         | 0.00                        |
| 12,000.0                    | 90.10              | 181.13         | 7,777.2                     | -4,419.9        | -87.3           | 4,420.8                       | 0.00                          | 0.00                         | 0.00                        |
| 12,100.0                    | 90.10              | 181.13         | 7,777.1                     | -4,519.9        | -89.3           | 4,520.8                       | 0.00                          | 0.00                         | 0.00                        |
| 12,200.0                    | 90.10              | 181.13         | 7,776.9                     | -4,619.9        | -91.2           | 4,620.8                       | 0.00                          | 0.00                         | 0.00                        |
| 12,300.0                    | 90.10              | 181.13         | 7,776.7                     | -4,719.9        | -93.2           | 4,720.8                       | 0.00                          | 0.00                         | 0.00                        |
| 12,400.0                    | 90.10              | 181.13         | 7,776.5                     | -4,819.9        | -95.2           | 4,820.8                       | 0.00                          | 0.00                         | 0.00                        |
| 12,500.0                    | 90.10              | 181.13         | 7,776.4                     | -4,919.8        | -97.2           | 4,920.8                       | 0.00                          | 0.00                         | 0.00                        |
| 12,593.2                    | 90.10              | 181.13         | 7,776.2                     | -5,013.0        | -99.0           | 5,014.0                       | 0.00                          | 0.00                         | 0.00                        |

# Chesapeake Operating

## Planning Report

|           |                               |                              |                           |
|-----------|-------------------------------|------------------------------|---------------------------|
| Database: | Drilling Database             | Local Co-ordinate Reference: | Site: Skeen 2-26-27 ST 2H |
| Company:  | Permian District              | TVD Reference:               | RKB @ 3221.0usft          |
| Project:  | NM - Bone Spring Sand Project | MD Reference:                | RKB @ 3221.0usft          |
| Site:     | Skeen 2-26-27 ST 2H           | North Reference:             | Grid                      |
| Well:     | Well #1                       | Survey Calculation Method:   | Minimum Curvature         |
| Wellbore: | Wellbore #1                   |                              |                           |
| Design:   | Plat 18Apr13                  |                              |                           |

| Design Targets            |           |          |         |          |        |            |            |                  |                  |
|---------------------------|-----------|----------|---------|----------|--------|------------|------------|------------------|------------------|
| Target Name               | Dip Angle | Dip Dir. | TVD     | +N/-S    | +E/-W  | Northing   | Easting    | Latitude         | Longitude        |
| - hit/miss target         | (°)       | (°)      | (usft)  | (usft)   | (usft) | (ft)       | (ft)       |                  |                  |
| Skeen 2-26-27 ST 2H       | 0.00      | 0.00     | 0.0     | 0.0      | 0.0    | 392,271.00 | 552,860.00 | 4° 42.06549923 N | 9° 45.62163372 W |
| - plan hits target center |           |          |         |          |        |            |            |                  |                  |
| - Point                   |           |          |         |          |        |            |            |                  |                  |
| Skeen 2-26-27 ST 2H       | 0.00      | 0.00     | 7,776.2 | -5,013.0 | -99.0  | 387,258.00 | 552,761.00 | 3° 52.45558622 N | 9° 46.86426772 W |
| - plan hits target center |           |          |         |          |        |            |            |                  |                  |
| - Point                   |           |          |         |          |        |            |            |                  |                  |

Project: NM - Bone Spring Sand Project  
 Site: Skeen 2-26-27 ST 2H  
 Well: Well #1  
 Wellbore: Wellbore #1  
 Design: Plat 18Apr13

**PROJECT DETAILS: NM - Bone Spring Sand Project**

Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico East 3001  
 System Datum: Mean Sea Level

