District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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
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

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30-015-41046 | 16800 | DELAWARE RIVER; BONE SPRING |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 39683 | SKEEN 2 26 27 ST | 1H |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 4323 | CHEVRON U.S.A. INC. | 3227' |

## [10] Surface Location

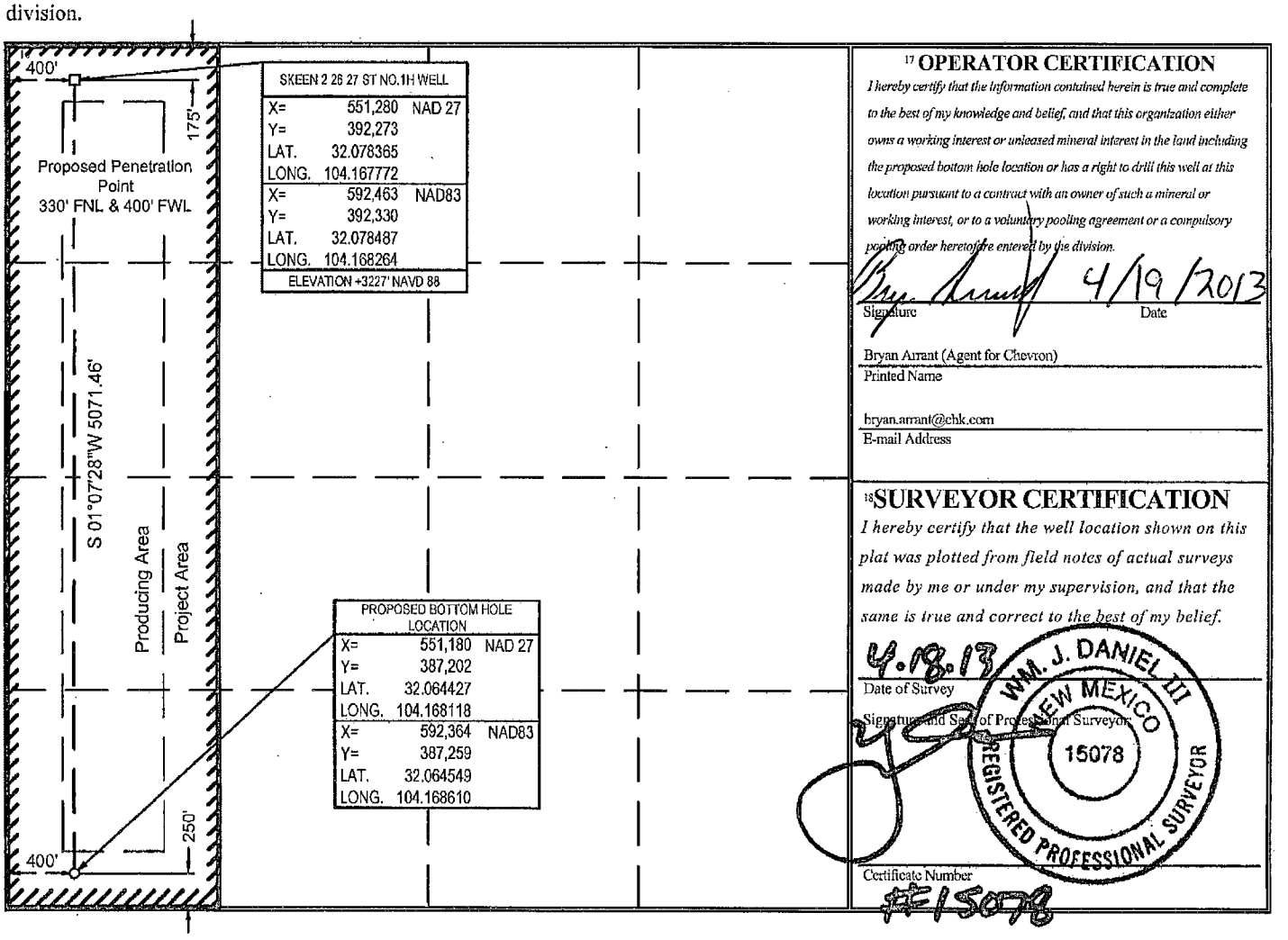
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| D | 2 | 26 SOUTH | 27 EAST, N.M.P.M. | | 175' | NORTH | 400' | WEST | EDDY |

## [11] 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 | 2 | 26 SOUTH | 27 EAST, N.M.P.M. | | 250' | SOUTH | 400' | WEST | EDDY |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] 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.




## [17] OPERATOR CERTIFICATION

*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.*

Signature — Date: 4/19/2013

Bryan Arrant (Agent for Chevron)
Printed Name

bryan.arrant@chk.com
E-mail Address

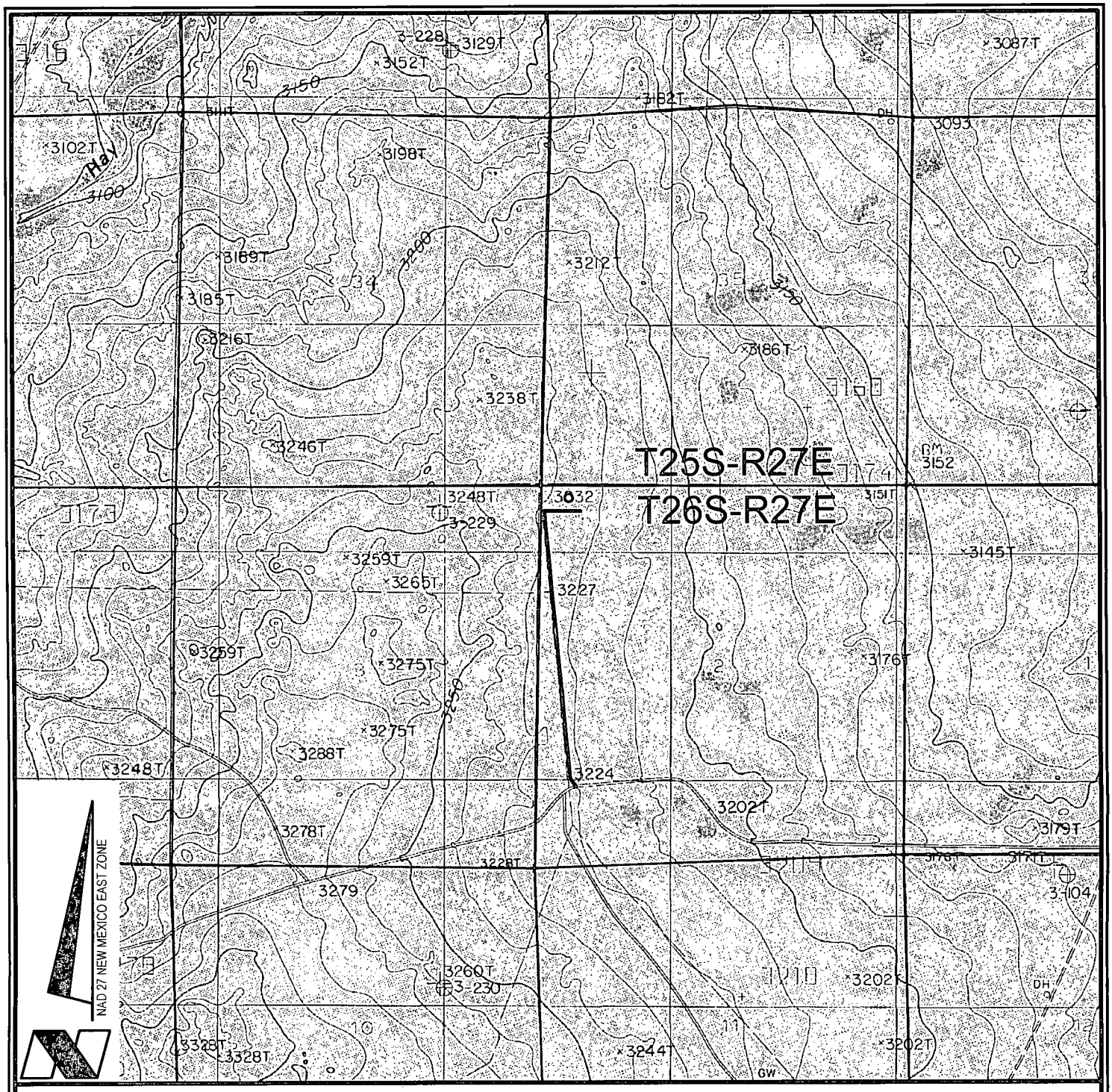
## [18] SURVEYOR CERTIFICATION

*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.*

4.18.13
Date of Survey

Signature and Seal of Professional Surveyor: WM. J. DANIEL III, NEW MEXICO, 15078, REGISTERED PROFESSIONAL SURVEYOR

Certificate Number 15078




VICINITY MAP

2000' 0 1000' 2000'

Scale: 1" = 2000'

# CHEVRON U.S.A. INC.

*SKEEN 2-26-27 ST* NO. 1H WELL

LOCATED 175' FNL AND 400' FWL

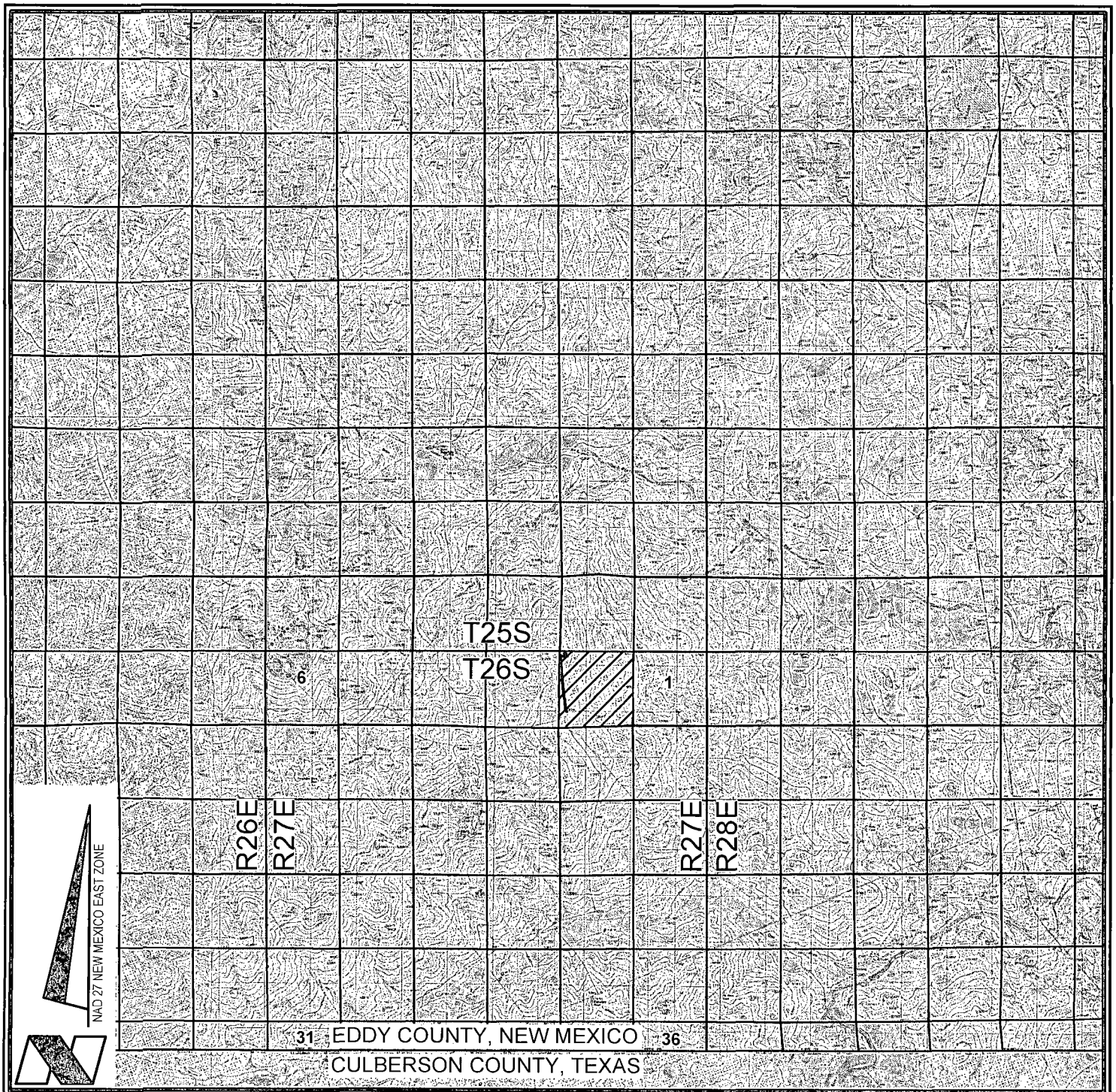
SECTION 2, T26S-R27E

EDDY COUNTY, NEW MEXICO

FENSTERMAKER

Lafayette New Orleans Houston
135 Regency Sq. Lafayette, LA 70506
Ph. 337-237-2200 Fax. 337-232-3299
www.fenstermaker.com

| | | |
|---|---|---|
| DRAWN BY: BMO | REVISED: 04/09/2013 BMO | DATE: 01/18/2013 |
| PROJ. MGR.: DBM | | SHEET 1 OF 3 SHEETS |
| FILENAME: T:\2012\2128633\DWG\Skeen 2-26-27 ST 1H APD.dwg | | |




VICINITY MAP

10,000' 0 5,000' 10,000'

Scale: 1" = 10,000'

# CHEVRON U.S.A. INC.

*SKEEN 2-26-27 ST* NO. 1H WELL

LOCATED 175' FNL AND 400' FWL

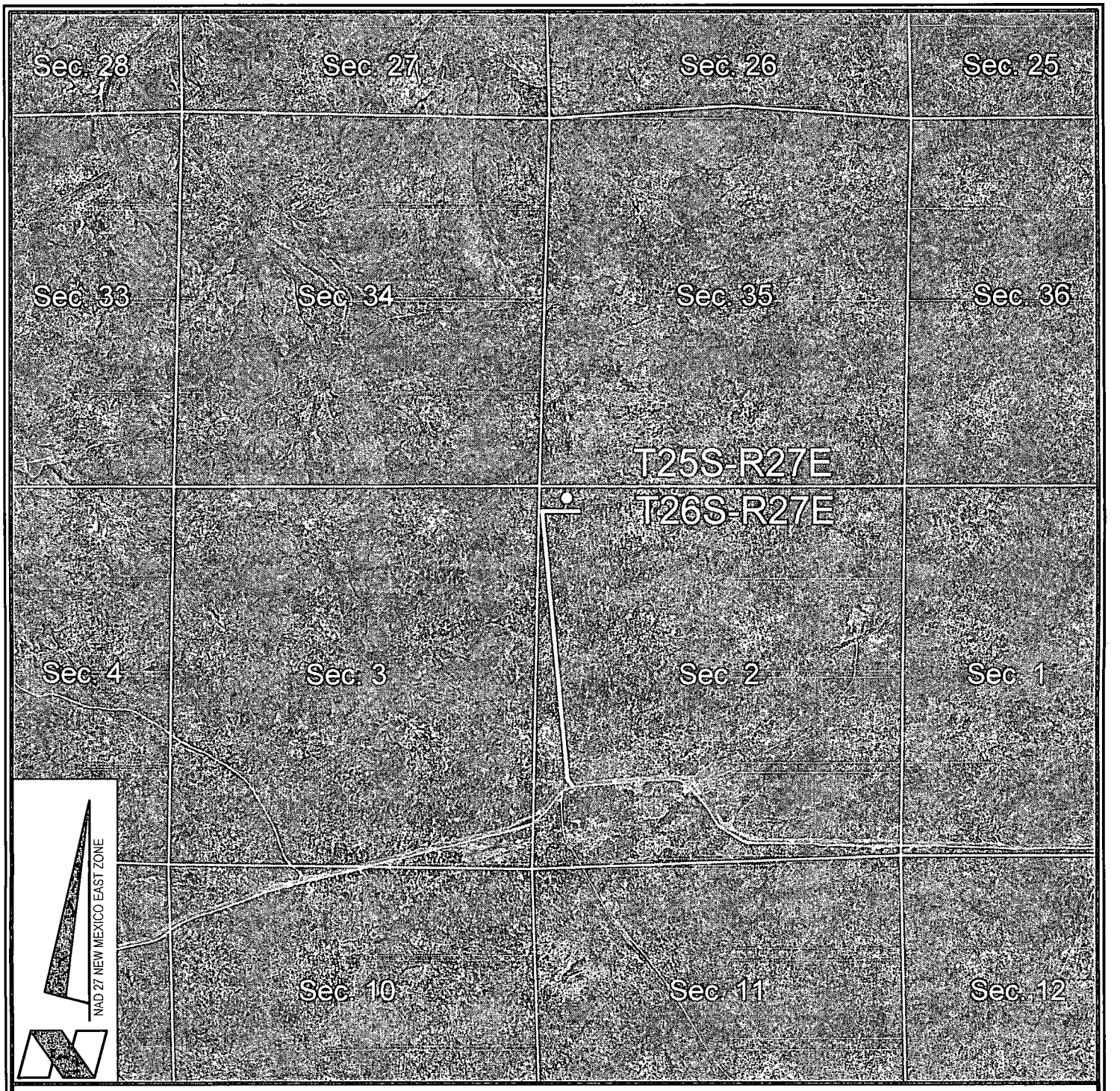
SECTION 2, T26S-R27E

EDDY COUNTY, NEW MEXICO

FENSTERMAKER

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

| | | |
|---|---|---|
| DRAWN BY: BMO | REVISED: 04/09/2013 BMO | DATE: 01/18/2013 |
| PROJ. MGR.: DBM | | SHEET 2 OF 3 SHEETS |
| FILENAME: T:\2012\2128633\DWG\Skeen 2-26-27 ST 1H APD.dwg | | |




VICINITY MAP

2000' 0 1000' 2000'

Scale: 1" = 2000'

= FEDERAL LAND

= FEE LAND

= STATE LAND

# CHEVRON U.S.A. INC.

*SKEEN 2-26-27 ST* NO. 1H WELL

LOCATED 175' FNL AND 400' FWL

SECTION 2, T26S-R27E

EDDY COUNTY, NEW MEXICO

FENSTERMAKER

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

| | | |
|---|---|---|
| DRAWN BY: BMO | REVISED: 04/09/2013 BMO | DATE: 01/18/2013 |
| PROJ. MGR.: DBM | | SHEET 3 OF 3 SHEETS |
| FILENAME: T:\2012\2128633\DWG\Skeen 2-26-27 ST 1H APD.dwg | | |

Sec. 34
Bureau of Land Management

T25S-R27E

T26S-R27E

Sec. 3
Bureau of Land Management

Sec. 35
Bureau of Land Management

Existing Fenceline

SEE INSET

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
NEW MEXICO
15078
REGISTERED PROFESSIONAL SURVEYOR

WM. J. Daniel III
Registration No. 15078

Sec. 2
State of New Mexico

PROPOSED ACCESS ROAD
14' X ±4535'
±1.46 Acres
±274.85 Rods

Existing Fenceline

PROPOSED ARCHAEOLOGICAL AREA
±5.23 Acres

PROPOSED PAD
±3.03 Acres

400'
600'
330'
220'
150'
180'
180'
600'

Skeen 2-26-27 St No. 1H Well
FNL=175'
FWL=400'

INSET
Scale: 1"=400'

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.

NAD 27 NEW MEXICO EAST ZONE

LEGEND
- Proposed Well
- Section Line
- Existing Road

Whites City Road

Existing Cattle Guard

| SKEEN 2-26-27 ST 1H | |
|---|---|
| X= | 551,280 NAD 27 |
| Y= | 392,273 |
| LAT. | 32.078365 |
| LONG. | 104.167772 |
| X= | 592,463 NAD83 |
| Y= | 392,330 |
| LAT. | 32.078487 |
| LONG. | 104.168264 |
| ELEVATION +3227' NAVD 88 | |

| NW ARCH. AREA CRN. | | NE ARCH. AREA CRN. | |
|---|---|---|---|
| X= | 550,960 NAD 27 | X= | 551,560 NAD 27 |
| Y= | 392,558 | Y= | 392,558 |
| ELEVATION +3232' NAVD 88 | | ELEVATION +3224' NAVD 88 | |
| SE ARCH. AREA CRN. | | SW ARCH. AREA CRN. | |
| X= | 551,560 NAD 27 | X= | 550,959 NAD 27 |
| Y= | 391,958 | Y= | 391,958 |
| ELEVATION +3224' NAVD 88 | | ELEVATION +3231' NAVD 88 | |
| NW PAD CRN. | | NE PAD CRN. | |
| X= | 551,060 NAD 27 | X= | 551,460 NAD 27 |
| Y= | 392,423 | Y= | 392,423 |
| ELEVATION +3230' NAVD 88 | | ELEVATION +3225' NAVD 88 | |
| SE PAD CRN. | | SW PAD CRN. | |
| X= | 551,459 NAD 27 | X= | 551,060 NAD 27 |
| Y= | 392,093 | Y= | 392,093 |
| ELEVATION +3225' NAVD 88 | | ELEVATION +3230' NAVD 88 | |

SURFACE USE PLAT

Scale: 1"=500'
500' 0 250' 500'

# CHEVRON U.S.A. INC.

PROPOSED PAD & ACCESS ROAD
SKEEN 2-26-27 ST NO. 1H WELL
SECTION 2, T26S-R27E
EDDY COUNTY, NEW MEXICO

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

| 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\2128633\DWG\SKEEN 2-26-27 ST 1H SUP.dwg | | | |

# Permian District

**NM - Bone Spring Sand Project**
**Skeen 2-26-27 ST 1H**
**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 1H |
| **Company:** | Permian District | **TVD Reference:** | RKB @ 3243.0usft |
| **Project:** | NM - Bone Spring Sand Project | **MD Reference:** | RKB @ 3243.0usft |
| **Site:** | Skeen 2-26-27 ST 1H | **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 1H

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 392,273.00 ft | **Latitude:** | 32° 4' 42.10965766 N |
| **From:** | Map | **Easting:** | 551,280.00 ft | **Longitude:** | 104° 10' 3.98581781 W |
| **Position Uncertainty:** | 0.0 usft | **Slot Radius:** | 13.200 in | **Grid Convergence:** | 0.09 ° |

**Well** Well #1

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.0 usft | **Northing:** | 392,273.00 ft | **Latitude:** | 32° 4' 42.10965766 N |
| | **+E/-W** | 0.0 usft | **Easting:** | 551,280.00 ft | **Longitude:** | 104° 10' 3.98581781 W |
| **Position Uncertainty** | | 0.0 usft | **Wellhead Elevation:** | 3,226.0 usft | **Ground Level:** | 3,226.0 usft |

**Wellbore** Wellbore #1

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | IGRF2010 | 1/25/2013 | 7.65 | 59.91 | 48,302 |

**Design** Plat 18Apr13

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | | **Phase:** | PLAN | **Tie On Depth:** | 0.0 |

| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
|---|---|---|---|---|
| | 0.0 | 0.0 | 0.0 | 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 | |
| 7,301.6 | 0.00 | 0.00 | 7,301.6 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,052.4 | 90.10 | 181.13 | 7,779.0 | -478.2 | -9.4 | 12.00 | 12.00 | 0.00 | 181.13 | |
| 12,646.1 | 90.10 | 181.13 | 7,771.0 | -5,071.0 | -100.0 | 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 1H |
| **Company:** | Permian District | **TVD Reference:** | RKB @ 3243.0usft |
| **Project:** | NM - Bone Spring Sand Project | **MD Reference:** | RKB @ 3243.0usft |
| **Site:** | Skeen 2-26-27 ST 1H | **North Reference:** | Grid |
| **Well:** | Well #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Plat 18Apr13 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 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 |

| | | | |
|---|---|---|---|
| **Database:** | Drilling Database | **Local Co-ordinate Reference:** | Site Skeen 2-26-27 ST 1H |
| **Company:** | Permian District | **TVD Reference:** | RKB @ 3243.0usft |
| **Project:** | NM - Bone Spring Sand Project | **MD Reference:** | RKB @ 3243.0usft |
| **Site:** | Skeen 2-26-27 ST 1H | **North Reference:** | Grid |
| **Well:** | Well #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Plat 18Apr13 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 7,301.6 | 0.00 | 0.00 | 7,301.6 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 7,325.0 | 2.81 | 181.13 | 7,325.0 | -0.6 | 0.0 | 0.6 | 12.00 | 12.00 | 0.00 |
| 7,350.0 | 5.81 | 181.13 | 7,349.9 | -2.5 | 0.0 | 2.5 | 12.00 | 12.00 | 0.00 |
| 7,375.0 | 8.81 | 181.13 | 7,374.7 | -5.6 | -0.1 | 5.6 | 12.00 | 12.00 | 0.00 |
| 7,400.0 | 11.81 | 181.13 | 7,399.3 | -10.1 | -0.2 | 10.1 | 12.00 | 12.00 | 0.00 |
| 7,425.0 | 14.81 | 181.13 | 7,423.6 | -15.9 | -0.3 | 15.9 | 12.00 | 12.00 | 0.00 |
| 7,450.0 | 17.81 | 181.13 | 7,447.6 | -22.9 | -0.5 | 22.9 | 12.00 | 12.00 | 0.00 |
| 7,475.0 | 20.81 | 181.13 | 7,471.2 | -31.2 | -0.6 | 31.2 | 12.00 | 12.00 | 0.00 |
| 7,500.0 | 23.81 | 181.13 | 7,494.3 | -40.6 | -0.8 | 40.6 | 12.00 | 12.00 | 0.00 |
| 7,525.0 | 26.81 | 181.13 | 7,516.9 | -51.3 | -1.0 | 51.3 | 12.00 | 12.00 | 0.00 |
| 7,550.0 | 29.81 | 181.13 | 7,538.9 | -63.2 | -1.2 | 63.2 | 12.00 | 12.00 | 0.00 |
| 7,575.0 | 32.81 | 181.13 | 7,560.3 | -76.2 | -1.5 | 76.2 | 12.00 | 12.00 | 0.00 |
| 7,600.0 | 35.81 | 181.13 | 7,580.9 | -90.3 | -1.8 | 90.3 | 12.00 | 12.00 | 0.00 |
| 7,625.0 | 38.81 | 181.13 | 7,600.8 | -105.4 | -2.1 | 105.4 | 12.00 | 12.00 | 0.00 |
| 7,650.0 | 41.81 | 181.13 | 7,619.9 | -121.6 | -2.4 | 121.6 | 12.00 | 12.00 | 0.00 |
| 7,675.0 | 44.81 | 181.13 | 7,638.1 | -138.7 | -2.7 | 138.7 | 12.00 | 12.00 | 0.00 |
| 7,700.0 | 47.81 | 181.13 | 7,655.3 | -156.8 | -3.1 | 156.8 | 12.00 | 12.00 | 0.00 |
| 7,725.0 | 50.81 | 181.13 | 7,671.6 | -175.7 | -3.5 | 175.8 | 12.00 | 12.00 | 0.00 |
| 7,750.0 | 53.81 | 181.13 | 7,686.9 | -195.5 | -3.9 | 195.6 | 12.00 | 12.00 | 0.00 |
| 7,775.0 | 56.81 | 181.13 | 7,701.1 | -216.1 | -4.3 | 216.1 | 12.00 | 12.00 | 0.00 |
| 7,800.0 | 59.81 | 181.13 | 7,714.3 | -237.3 | -4.7 | 237.4 | 12.00 | 12.00 | 0.00 |
| 7,825.0 | 62.81 | 181.13 | 7,726.3 | -259.3 | -5.1 | 259.3 | 12.00 | 12.00 | 0.00 |
| 7,850.0 | 65.81 | 181.13 | 7,737.1 | -281.8 | -5.6 | 281.8 | 12.00 | 12.00 | 0.00 |
| 7,875.0 | 68.81 | 181.13 | 7,746.7 | -304.8 | -6.0 | 304.9 | 12.00 | 12.00 | 0.00 |
| 7,900.0 | 71.81 | 181.13 | 7,755.2 | -328.4 | -6.5 | 328.4 | 12.00 | 12.00 | 0.00 |
| 7,925.0 | 74.81 | 181.13 | 7,762.3 | -352.3 | -6.9 | 352.4 | 12.00 | 12.00 | 0.00 |
| 7,950.0 | 77.81 | 181.13 | 7,768.3 | -376.6 | -7.4 | 376.7 | 12.00 | 12.00 | 0.00 |
| 7,975.0 | 80.81 | 181.13 | 7,772.9 | -401.2 | -7.9 | 401.2 | 12.00 | 12.00 | 0.00 |
| 8,000.0 | 83.81 | 181.13 | 7,776.2 | -425.9 | -8.4 | 426.0 | 12.00 | 12.00 | 0.00 |
| 8,025.0 | 86.81 | 181.13 | 7,778.3 | -450.8 | -8.9 | 450.9 | 12.00 | 12.00 | 0.00 |
| 8,052.4 | 90.10 | 181.13 | 7,779.0 | -478.2 | -9.4 | 478.3 | 12.00 | 12.00 | 0.00 |
| 8,100.0 | 90.10 | 181.13 | 7,778.9 | -525.8 | -10.4 | 525.9 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 90.10 | 181.13 | 7,778.8 | -625.8 | -12.3 | 625.9 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 90.10 | 181.13 | 7,778.6 | -725.8 | -14.3 | 725.9 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 90.10 | 181.13 | 7,778.4 | -825.8 | -16.3 | 825.9 | 0.00 | 0.00 | 0.00 |

| | | | |
|---|---|---|---|
| **Database:** | Drilling Database | **Local Co-ordinate Reference:** | Site Skeen 2-26-27 ST 1H |
| **Company:** | Permian District | **TVD Reference:** | RKB @ 3243.0usft |
| **Project:** | NM - Bone Spring Sand Project | **MD Reference:** | RKB @ 3243.0usft |
| **Site:** | Skeen 2-26-27 ST 1H | **North Reference:** | Grid |
| **Well:** | Well #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Plat 18Apr13 | | |

**Planned Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 8,500.0 | 90.10 | 181.13 | 7,778.2 | -925.7 | -18.3 | 925.9 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.10 | 181.13 | 7,778.1 | -1,025.7 | -20.2 | 1,025.9 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.10 | 181.13 | 7,777.9 | -1,125.7 | -22.2 | 1,125.9 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.10 | 181.13 | 7,777.7 | -1,225.7 | -24.2 | 1,225.9 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.10 | 181.13 | 7,777.5 | -1,325.7 | -26.1 | 1,325.9 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.10 | 181.13 | 7,777.4 | -1,425.6 | -28.1 | 1,425.9 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.10 | 181.13 | 7,777.2 | -1,525.6 | -30.1 | 1,525.9 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.10 | 181.13 | 7,777.0 | -1,625.6 | -32.1 | 1,625.9 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.10 | 181.13 | 7,776.8 | -1,725.6 | -34.0 | 1,725.9 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.10 | 181.13 | 7,776.7 | -1,825.6 | -36.0 | 1,825.9 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.10 | 181.13 | 7,776.5 | -1,925.5 | -38.0 | 1,925.9 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.10 | 181.13 | 7,776.3 | -2,025.5 | -39.9 | 2,025.9 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.10 | 181.13 | 7,776.1 | -2,125.5 | -41.9 | 2,125.9 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.10 | 181.13 | 7,776.0 | -2,225.5 | -43.9 | 2,225.9 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.10 | 181.13 | 7,775.8 | -2,325.5 | -45.9 | 2,325.9 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.10 | 181.13 | 7,775.6 | -2,425.4 | -47.8 | 2,425.9 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.10 | 181.13 | 7,775.4 | -2,525.4 | -49.8 | 2,525.9 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.10 | 181.13 | 7,775.3 | -2,625.4 | -51.8 | 2,625.9 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.10 | 181.13 | 7,775.1 | -2,725.4 | -53.7 | 2,725.9 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.10 | 181.13 | 7,774.9 | -2,825.4 | -55.7 | 2,825.9 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.10 | 181.13 | 7,774.7 | -2,925.3 | -57.7 | 2,925.9 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.10 | 181.13 | 7,774.6 | -3,025.3 | -59.7 | 3,025.9 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.10 | 181.13 | 7,774.4 | -3,125.3 | -61.6 | 3,125.9 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.10 | 181.13 | 7,774.2 | -3,225.3 | -63.6 | 3,225.9 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 90.10 | 181.13 | 7,774.0 | -3,325.3 | -65.6 | 3,325.9 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 90.10 | 181.13 | 7,773.9 | -3,425.2 | -67.5 | 3,425.9 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 90.10 | 181.13 | 7,773.7 | -3,525.2 | -69.5 | 3,525.9 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 90.10 | 181.13 | 7,773.5 | -3,625.2 | -71.5 | 3,625.9 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 90.10 | 181.13 | 7,773.3 | -3,725.2 | -73.5 | 3,725.9 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.10 | 181.13 | 7,773.2 | -3,825.2 | -75.4 | 3,825.9 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.10 | 181.13 | 7,773.0 | -3,925.1 | -77.4 | 3,925.9 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.10 | 181.13 | 7,772.8 | -4,025.1 | -79.4 | 4,025.9 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.10 | 181.13 | 7,772.7 | -4,125.1 | -81.3 | 4,125.9 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.10 | 181.13 | 7,772.5 | -4,225.1 | -83.3 | 4,225.9 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.10 | 181.13 | 7,772.3 | -4,325.1 | -85.3 | 4,325.9 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 90.10 | 181.13 | 7,772.1 | -4,425.0 | -87.3 | 4,425.9 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.10 | 181.13 | 7,772.0 | -4,525.0 | -89.2 | 4,525.9 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 90.10 | 181.13 | 7,771.8 | -4,625.0 | -91.2 | 4,625.9 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.10 | 181.13 | 7,771.6 | -4,725.0 | -93.2 | 4,725.9 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 90.10 | 181.13 | 7,771.4 | -4,825.0 | -95.1 | 4,825.9 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 90.10 | 181.13 | 7,771.3 | -4,924.9 | -97.1 | 4,925.9 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.10 | 181.13 | 7,771.1 | -5,024.9 | -99.1 | 5,025.9 | 0.00 | 0.00 | 0.00 |
| 12,646.1 | 90.10 | 181.13 | 7,771.0 | -5,071.0 | -100.0 | 5,072.0 | 0.00 | 0.00 | 0.00 |

| | | | |
|---|---|---|---|
| **Database:** | Drilling Database | **Local Co-ordinate Reference:** | Site Skeen 2-26-27 ST 1H |
| **Company:** | Permian District | **TVD Reference:** | RKB @ 3243.0usft |
| **Project:** | NM - Bone Spring Sand Project | **MD Reference:** | RKB @ 3243.0usft |
| **Site:** | Skeen 2-26-27 ST 1H | **North Reference:** | Grid |
| **Well:** | Well #1 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Plat 18Apr13 | | |

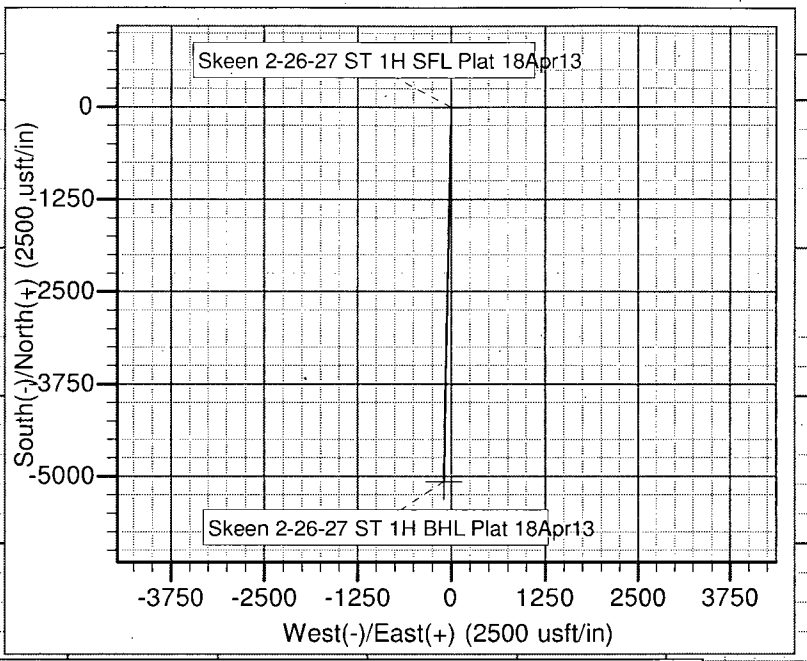
**Design Targets**

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Skeen 2-26-27 ST 1H - plan hits target center - Point | 0.00 | 0.01 | 0.0 | 0.0 | 0.0 | 392,273.00 | 551,280.00 | 32° 4' 42.10965766 N | 103° 10' 3.98581781 W |
| Skeen 2-26-27 ST 1H - plan hits target center - Point | 0.00 | 0.01 | 7,771.0 | -5,071.0 | -100.0 | 387,202.00 | 551,180.00 | 32° 3' 51.92569924 N | 103° 10' 5.23835122 W |

Project: NM - Bone Spring Sand Project
Site: Skeen 2-26-27 ST 1H
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




SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 7301.6 | 0.00 | 0.00 | 7301.6 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 8052.4 | 90.10 | 181.13 | 7779.0 | -478.2 | -9.4 | 12.00 | 181.13 | 478.3 | |
| 4 | 12646.1 | 90.10 | 181.13 | 7771.0 | -5071.0 | -100.0 | 0.00 | 0.00 | 5072.0 | Skeen 2-26-27 ST 1H BHL Plat 18Apr13 |