

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101

August 1, 2011

Permit 293476

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                              |                                      |                               |
|----------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 |                                      | 2. OGRID Number<br>229137     |
|                                                                                              |                                      | 3. API Number<br>30-015-48099 |
| 4. Property Code<br>330287                                                                   | 5. Property Name<br>KRAKEN STATE COM | 6. Well No.<br>702H           |

**7. Surface Location**

|               |               |                 |              |              |                  |               |                   |               |                |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|
| UL - Lot<br>P | Section<br>33 | Township<br>25S | Range<br>28E | Lot Idn<br>P | Feet From<br>600 | N/S Line<br>S | Feet From<br>1030 | E/W Line<br>E | County<br>Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|

**8. Proposed Bottom Hole Location**

|               |               |                 |              |              |                  |               |                   |               |                |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|
| UL - Lot<br>P | Section<br>16 | Township<br>26S | Range<br>28E | Lot Idn<br>P | Feet From<br>200 | N/S Line<br>S | Feet From<br>1218 | E/W Line<br>E | County<br>Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|

**9. Pool Information**

|                            |       |
|----------------------------|-------|
| PURPLE SAGE;WOLFCAMP (GAS) | 98220 |
|----------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>GAS        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>2959 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>25286 | 18. Formation<br>Wolfcamp              | 19. Contractor          | 20. Spud Date<br>7/1/2021          |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5      | 13.375      | 54.5             | 620           | 500             | 0             |
| Int1 | 12.25     | 9.625       | 40               | 9000          | 1400            | 0             |
| Prod | 8.75      | 5.5         | 20               | 25286         | 3500            | 8600          |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 5000             | 5000          | Cameron      |

|                                                                                                                                                                                                                                                                                                    |                                  |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. | <b>OIL CONSERVATION DIVISION</b> |                                 |
| Signature:                                                                                                                                                                                                                                                                                         |                                  |                                 |
| Printed Name: Electronically filed by Robyn Russell                                                                                                                                                                                                                                                | Approved By: Kurt Simmons        |                                 |
| Title: Regulatory Compliance Lead                                                                                                                                                                                                                                                                  | Title: Petroleum Specialist - A  |                                 |
| Email Address: robyn.m.russell@conocophillips.com                                                                                                                                                                                                                                                  | Approved Date: 3/16/2021         | Expiration Date: 3/16/2023      |
| Date: 3/15/2021                                                                                                                                                                                                                                                                                    | Phone: 432-685-4385              | Conditions of Approval Attached |

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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<br>30-015- | 2 Pool Code<br>98220                 | 3 Pool Name<br>Purple Sage; Wolfcamp (Gas) |
| 4 Property Code         | 5 Property Name<br>KRAKEN STATE COM  | 6 Well Number<br>702H                      |
| 7 OGRID No.<br>229137   | 8 Operator Name<br>COG OPERATING LLC | 9 Elevation<br>2959'                       |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P             | 33      | 25-S     | 28-E  |         | 600'          | SOUTH            | 1030'         | EAST           | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P             | 16      | 26-S     | 28-E  |         | 200'          | SOUTH            | 1218'         | EAST           | EDDY   |

| 12 Dedicated Acres | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------|--------------------|-----------------------|--------------|
| 960                |                    |                       |              |

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>CORNER DATA<br/>NEW MEXICO EAST - NAD 83</p> <p>A - FOUND IRON PIPE W/ BRASS CAP<br/>N:392529.06' E:613351.46'</p> <p>B - FOUND IRON PIPE W/ BRASS CAP<br/>N:392531.80' E:616012.57'</p> <p>C - FOUND IRON PIPE W/ BRASS CAP<br/>N:392534.13' E:618672.01'</p> <p>D - CALCULATED CORNER<br/>N:389881.51' E:618722.69'</p> <p>E - FOUND IRON ROD NO CAP<br/>N:387228.88' E:618773.38'</p> <p>F - CALCULATED CORNER<br/>N:387234.29' E:616099.89'</p> <p>G - CALCULATED CORNER<br/>N:387239.69' E:613426.41'</p> <p>H - FOUND IRON ROD NO CAP<br/>N:389887.40' E:613383.37'</p> <p>I - CALCULATED CORNER<br/>N:384578.45' E:618773.81'</p> <p>J - FOUND IRON<br/>N:381928.01' E:618774.25'</p> <p>K - CALCULATED CORNER<br/>N:381936.14' E:616099.30'</p> <p>L - CALCULATED CORNER<br/>N:381944.28' E:613424.35'</p> <p>M - CALCULATED CORNER<br/>N:384591.98' E:613425.38'</p> <p>N - FOUND 5/8" IRON ROD W/ ALUM CAP<br/>N:379277.91' E:618772.66'</p> <p>O - FOUND IRON PIPE W/ BRASS CAP<br/>N:376622.82' E:618799.52'</p> <p>P - CALCULATED CORNER<br/>N:376631.44' E:616063.29'</p> <p>Q - FOUND BENT IRON PIPE TAGGED W/ WASHER<br/>N:376640.07' E:613327.06'</p> <p>R - FOUND LIMESTONE MARKED 1/4<br/>N:379296.57' E:613303.89'</p> | <p><b>17 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>Stan Wagner</i> 3/11/2021<br/>Signature Date</p> <p>Stan Wagner<br/>Printed Name</p> <p>E-mail Address</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  | <p><b>SURFACE HOLE LOCATION (SHL)</b><br/>NEW MEXICO EAST - NAD 83<br/>X=617646.03<br/>Y=393133.19<br/>LAT.= 32.08056323° N<br/>LONG.= 104.08695198° W<br/>600' FSL 1030' FEL<br/>SECTION 33</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p><b>FIRST TAKE POINT (FTP)</b><br/>NEW MEXICO EAST - NAD 83<br/>X=617454.00<br/>Y=392523.07<br/>LAT.= 32.07888724° N<br/>LONG.= 104.08757648° W<br/>10' FNL 1218' FEL<br/>SECTION 4</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p><b>" SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p><b>GARRETT J SMELKER</b><br/>NEW MEXICO<br/>25036<br/>01/28/2021<br/>PROFESSIONAL SURVEYOR</p> <p>Certificate Number</p> |
|  | <p><b>LAST TAKE POINT (LTP)</b><br/>NEW MEXICO EAST - NAD 83<br/>X=617578.08<br/>Y=376956.87<br/>LAT.= 32.03609516° N<br/>LONG.= 104.08729039° W<br/>330' FSL 1218' FEL<br/>SECTION 16</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p><b>BOTTOM HOLE LOCATION (BHL)</b><br/>NEW MEXICO EAST - NAD 83<br/>X=617579.40<br/>Y=376826.67<br/>LAT.= 32.03573777° N<br/>LONG.= 104.08728710° W<br/>200' FSL 1218' FEL<br/>SECTION 16</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Intent ☒ As Drilled ☐API #  
30-015-

|                   |                  |             |
|-------------------|------------------|-------------|
| Operator Name:    | Property Name:   | Well Number |
| COG Operating LLC | Kraken State Com | 702H        |

## Kick Off Point (KOP)

|          |               |                 |              |     |           |          |      |           |                |
|----------|---------------|-----------------|--------------|-----|-----------|----------|------|-----------|----------------|
| UL<br>P  | Section<br>33 | Township<br>25S | Range<br>28E | Lot | Feet      | From N/S | Feet | From E/W  | County<br>Eddy |
| Latitude |               |                 |              |     | Longitude |          |      | NAD<br>83 |                |

## First Take Point (FTP)

|                         |              |                 |              |     |                            |                   |              |                  |               |
|-------------------------|--------------|-----------------|--------------|-----|----------------------------|-------------------|--------------|------------------|---------------|
| UL<br>A                 | Section<br>4 | Township<br>26S | Range<br>28E | Lot | Feet<br>10                 | From N/S<br>North | Feet<br>1218 | From E/W<br>East | County<br>Lea |
| Latitude<br>32.07888724 |              |                 |              |     | Longitude<br>-104.08757648 |                   |              | NAD<br>NAD 83    |               |

## Last Take Point (LTP)

|                         |               |                 |              |     |                            |                   |              |                  |               |
|-------------------------|---------------|-----------------|--------------|-----|----------------------------|-------------------|--------------|------------------|---------------|
| UL<br>P                 | Section<br>16 | Township<br>26S | Range<br>28E | Lot | Feet<br>330                | From N/S<br>South | Feet<br>1218 | From E/W<br>East | County<br>Lea |
| Latitude<br>32.03609516 |               |                 |              |     | Longitude<br>-104.08729039 |                   |              | NAD<br>NAD 83    |               |

Is this well the defining well for the Horizontal Spacing Unit?

☐ No

Is this well an infill well?

☐ Yes

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #  
30-015-

|                   |                  |             |
|-------------------|------------------|-------------|
| Operator Name:    | Property Name:   | Well Number |
| COG Operating LLC | Kraken State Com | 701H        |

KZ 06/29/2018

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

## GAS CAPTURE PLAN

Date: 3/16/2021

☒ Original

Operator & OGRID No.: [229137] COG OPERATING LLC

☐ Amended - Reason for  
Amendment: \_\_\_\_\_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

*Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).*

### Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

| Well Name              | API          | Well Location (ULSTR) | Footages    | Expected MCF/D | Flared or Vented | Comments                                          |
|------------------------|--------------|-----------------------|-------------|----------------|------------------|---------------------------------------------------|
| KRAKEN STATE COM #702H | 30-015-48099 | P-33-25S-28E          | 0600S 1030E | 4650           | None             | Red Bluff Plant Sec 35-Blk 57, T2 Culberson CO TX |

### Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to ETC Texas Pipeline, Ltd. and will be connected to ETC Texas Pipeline, Ltd. Low Pressure gathering system located in Eddy County, New Mexico. It will require 0' of pipeline to connect the facility to Low Pressure gathering system. COG OPERATING LLC provides (periodically) to ETC Texas Pipeline, Ltd. a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, COG OPERATING LLC and ETC Texas Pipeline, Ltd. have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at ETC Texas Pipeline, Ltd. Processing Plant located in Sec. 33, Twn. 25S, Rng. 28E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

### Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on ETC Texas Pipeline, Ltd. system at that time. Based on current information, it is COG OPERATING LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

### Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

Form APD Comments

Permit 293476

PERMIT COMMENTS

|                                                                                                     |  |                                 |
|-----------------------------------------------------------------------------------------------------|--|---------------------------------|
| Operator Name and Address:<br>COG OPERATING LLC [229137]<br>600 W Illinois Ave<br>Midland, TX 79701 |  | API Number:<br>30-015-48099     |
|                                                                                                     |  | Well:<br>KRAKEN STATE COM #702H |

|            |         |              |
|------------|---------|--------------|
| Created By | Comment | Comment Date |
|------------|---------|--------------|

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Conditions

Permit 293476

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                     |                                 |
|-----------------------------------------------------------------------------------------------------|---------------------------------|
| Operator Name and Address:<br>COG OPERATING LLC [229137]<br>600 W Illinois Ave<br>Midland, TX 79701 | API Number:<br>30-015-48099     |
|                                                                                                     | Well:<br>KRAKEN STATE COM #702H |

| OCD Reviewer | Condition                                                                                                                                                                                                                                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ksimmons     | Notify OCD 24 hours prior to casing & cement                                                                                                                                                                                                                                                                                                    |
| ksimmons     | Will require a File As Drilled C-102 and a Directional Survey with the C-104                                                                                                                                                                                                                                                                    |
| ksimmons     | Cement is required to circulate on both surface and intermediate1 strings of casing                                                                                                                                                                                                                                                             |
| kpickford    | Will require a administrative order for non-standard location prior to placing the well on production                                                                                                                                                                                                                                           |
| kpickford    | Surface casing must be set 25' below top of Rustler Anhydrite or salt in order to seal off protectable water                                                                                                                                                                                                                                    |
| kpickford    | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud                                                                                                                                                                                                                                              |
| kpickford    | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104 |
| kpickford    | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string                                                                            |
| kpickford    | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.                                                                                            |

## Kraken State Com #702H

### Casing and Cement

| <u>String</u> | <u>Hole Size</u> | <u>Csg OD</u> | <u>PPE</u> | <u>Depth</u> | <u>Sx Cement</u> | <u>TOC</u> |
|---------------|------------------|---------------|------------|--------------|------------------|------------|
| Surface       | 17-1/2"          | 13-3/8"       | 54.5#      | 620'         | 500              | 0'         |
| Intermediate  | 12-1/4"          | 9-5/8"        | 40#        | 9,000'       | 1400             | 0'         |
| Production    | 8-3/4"           | 5-1/2"        | 20#        | 25,286'      | 3,500            | 8,600'     |

### Well Plan

Drill 17-1/2" hole to 620' into the Rustler. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will set in Rustler and cover water depth.

Drill 12-1/4" hole to ~9,000' with cut brine emulsion. Run 9-5/8 40# L-80 BTC to TD and cement to surface in one stage.

Drill 8-3/4" vertical hole, curve & lateral to 25,286' with Cut Brine. Run 5-1/2" 20# P110 BTC casing to TD and cement to 8,600' in one stage.

### Well Control

| <u>Type</u> | <u>Working Pressure</u> | <u>Test Pressure</u> | <u>Manufacture</u> |
|-------------|-------------------------|----------------------|--------------------|
| Double Ram  | 5000 psi                | 5000 psi             | Cameron            |

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                     |                                                                     |
|-------------------------------------|---------------------------------------------------------------------|
| <b>Reference</b>                    | PWP1                                                                |
| <b>Filter type:</b>                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |
| <b>Interpolation Method:</b>        | Stations                                                            |
| <b>Depth Range:</b>                 | Unlimited                                                           |
| <b>Results Limited by:</b>          | Maximum ellipse separation of 2,000.0 usft                          |
| <b>Warning Levels Evaluated at:</b> | 2.00 Sigma                                                          |
| <b>Error Model:</b>                 | ISCWSA                                                              |
| <b>Scan Method:</b>                 | Closest Approach 3D                                                 |
| <b>Error Surface:</b>               | Pedal Curve                                                         |
| <b>Casing Method:</b>               | Not applied                                                         |

| Survey Tool Program |              | Date              | 2/25/2021           |                                    |  |
|---------------------|--------------|-------------------|---------------------|------------------------------------|--|
| From<br>(usft)      | To<br>(usft) | Survey (Wellbore) | Tool Name           | Description                        |  |
| 0.0                 | 9,068.0      | PWP1 (OWB)        | Standard Keeper 104 | Standard Wireline Keeper ver 1.0.4 |  |
| 9,068.0             | 25,286.0     | PWP1 (OWB)        | MWD+IFR1+FDIR       | OWSG MWD + IFR1 + FDIR Correction  |  |

| Summary                                      |                                 |                              |                                 |                                  |                   |              |
|----------------------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|--------------|
| Site Name                                    | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning      |
| Offset Well - Wellbore - Design              |                                 |                              |                                 |                                  |                   |              |
| HONEY GRAHAM STATE PROJECT (ATLAS 2628)      |                                 |                              |                                 |                                  |                   |              |
| GRAHAM CRACKER 16 STATE #7H - OWB - ACTUAL V |                                 |                              |                                 |                                  |                   | Out of range |
| KRAKEN ST COM PROJECT                        |                                 |                              |                                 |                                  |                   |              |
| KRAKEN ST COM #701H - OWB - PWP1             | 2,500.0                         | 2,500.0                      | 30.0                            | 23.1                             | 4.349             | CC, ES       |
| KRAKEN ST COM #701H - OWB - PWP1             | 25,286.0                        | 25,245.2                     | 888.0                           | 612.7                            | 3.226             | SF           |
| KRAKEN ST COM #703H - OWB - PWP1             | 2,500.0                         | 2,500.0                      | 30.0                            | 17.3                             | 2.363             | CC, ES, SF   |
| MYOX 28 STATE PROJECT (ATLAS 2528)           |                                 |                              |                                 |                                  |                   |              |
| MYOX 28 ST COM #701H - OWB - AWP             | 9,301.7                         | 19,568.9                     | 712.4                           | 614.6                            | 7.281             | CC, ES       |
| MYOX 28 ST COM #701H - OWB - AWP             | 9,325.0                         | 19,581.5                     | 712.8                           | 614.8                            | 7.275             | SF           |
| MYOX 28 ST COM #702H - OWB - AWP             | 9,400.0                         | 19,507.0                     | 230.3                           | 136.6                            | 2.457             | SF           |
| MYOX 28 ST COM #702H - OWB - AWP             | 9,425.0                         | 19,507.0                     | 224.8                           | 134.0                            | 2.475             | ES           |
| MYOX 28 ST COM #702H - OWB - AWP             | 9,452.0                         | 19,507.0                     | 222.7                           | 136.0                            | 2.569             | CC           |
| MYOX 28 ST COM #703H - OWB - AWP             |                                 |                              |                                 |                                  |                   | Out of range |
| SRO STATE PROJECT (ATLAS 2628)               |                                 |                              |                                 |                                  |                   |              |
| SRO STATE COM #30H - OWB - ACTUAL WELLPATH   | 8,098.1                         | 17,905.0                     | 906.4                           | 837.3                            | 13.120            | CC           |
| SRO STATE COM #30H - OWB - ACTUAL WELLPATH   | 8,100.0                         | 17,905.0                     | 906.4                           | 837.3                            | 13.117            | ES           |
| SRO STATE COM #30H - OWB - ACTUAL WELLPATH   | 8,400.0                         | 17,905.0                     | 955.3                           | 880.9                            | 12.837            | SF           |
| SRO STATE UNIT #1H - OWB - ACTUAL WELLPATH   |                                 |                              |                                 |                                  |                   | Out of range |

| KRAKEN ST COM PROJECT - KRAKEN ST COM #701H - OWB - PWP1  |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 3.0 usft |
|-----------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 9090-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 3.0 usft |
| Reference                                                 |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    |          |
| Measured Depth (usft)                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |          |
| 0.0                                                       | 0.0                   | 0.0                   | 0.0                   | 3.0              | 3.0           | 89.87                 | 0.1                                 | 30.0         | 30.0                   |                         |                           |                   |                    |          |
| 100.0                                                     | 100.0                 | 100.0                 | 100.0                 | 3.0              | 3.0           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 24.0                    | 6.00                      | 5.000             |                    |          |
| 200.0                                                     | 200.0                 | 200.0                 | 200.0                 | 3.0              | 3.0           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 24.0                    | 6.00                      | 4.997             |                    |          |
| 300.0                                                     | 300.0                 | 300.0                 | 300.0                 | 3.0              | 3.0           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 24.0                    | 6.01                      | 4.992             |                    |          |
| 400.0                                                     | 400.0                 | 400.0                 | 400.0                 | 3.0              | 3.0           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 24.0                    | 6.02                      | 4.985             |                    |          |
| 500.0                                                     | 500.0                 | 500.0                 | 500.0                 | 3.1              | 3.1           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 24.0                    | 6.03                      | 4.974             |                    |          |
| 600.0                                                     | 600.0                 | 600.0                 | 600.0                 | 3.1              | 3.1           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 24.0                    | 6.05                      | 4.961             |                    |          |
| 700.0                                                     | 700.0                 | 700.0                 | 700.0                 | 3.1              | 3.1           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.9                    | 6.07                      | 4.946             |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design                                             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 3.0 usft |
|-----------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 9090-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 3.0 usft |
| Reference                                                 |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 800.0                                                     | 800.0                 | 800.0                 | 800.0                 | 3.2              | 3.2           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.9                    | 6.09                      | 4.928             |                    |          |
| 900.0                                                     | 900.0                 | 900.0                 | 900.0                 | 3.2              | 3.2           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.9                    | 6.11                      | 4.908             |                    |          |
| 1,000.0                                                   | 1,000.0               | 1,000.0               | 1,000.0               | 3.2              | 3.2           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.9                    | 6.14                      | 4.885             |                    |          |
| 1,100.0                                                   | 1,100.0               | 1,100.0               | 1,100.0               | 3.3              | 3.3           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.8                    | 6.17                      | 4.860             |                    |          |
| 1,200.0                                                   | 1,200.0               | 1,200.0               | 1,200.0               | 3.4              | 3.4           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.8                    | 6.21                      | 4.834             |                    |          |
| 1,300.0                                                   | 1,300.0               | 1,300.0               | 1,300.0               | 3.4              | 3.4           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.8                    | 6.24                      | 4.805             |                    |          |
| 1,400.0                                                   | 1,400.0               | 1,400.0               | 1,400.0               | 3.5              | 3.5           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.7                    | 6.28                      | 4.774             |                    |          |
| 1,500.0                                                   | 1,500.0               | 1,500.0               | 1,500.0               | 3.5              | 3.5           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.7                    | 6.33                      | 4.742             |                    |          |
| 1,600.0                                                   | 1,600.0               | 1,600.0               | 1,600.0               | 3.6              | 3.6           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.6                    | 6.37                      | 4.708             |                    |          |
| 1,700.0                                                   | 1,700.0               | 1,700.0               | 1,700.0               | 3.7              | 3.7           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.6                    | 6.42                      | 4.672             |                    |          |
| 1,800.0                                                   | 1,800.0               | 1,800.0               | 1,800.0               | 3.8              | 3.8           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.5                    | 6.47                      | 4.635             |                    |          |
| 1,900.0                                                   | 1,900.0               | 1,900.0               | 1,900.0               | 3.9              | 3.9           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.5                    | 6.53                      | 4.597             |                    |          |
| 2,000.0                                                   | 2,000.0               | 2,000.0               | 2,000.0               | 3.9              | 3.9           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.4                    | 6.58                      | 4.558             |                    |          |
| 2,100.0                                                   | 2,100.0               | 2,100.0               | 2,100.0               | 4.0              | 4.0           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.4                    | 6.64                      | 4.518             |                    |          |
| 2,200.0                                                   | 2,200.0               | 2,200.0               | 2,200.0               | 4.1              | 4.1           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.3                    | 6.70                      | 4.477             |                    |          |
| 2,300.0                                                   | 2,300.0               | 2,300.0               | 2,300.0               | 4.2              | 4.2           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.2                    | 6.76                      | 4.435             |                    |          |
| 2,400.0                                                   | 2,400.0               | 2,400.0               | 2,400.0               | 4.3              | 4.3           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.2                    | 6.83                      | 4.392             |                    |          |
| 2,500.0                                                   | 2,500.0               | 2,500.0               | 2,500.0               | 4.4              | 4.4           | 89.87                 | 0.1                                 | 30.0         | 30.0                   | 23.1                    | 6.90                      | 4.349 CC, ES      |                    |          |
| 2,600.0                                                   | 2,600.0               | 2,599.3               | 2,599.3               | 4.5              | 4.4           | 92.30                 | -1.2                                | 31.1         | 31.1                   | 24.2                    | 6.97                      | 4.468             |                    |          |
| 2,700.0                                                   | 2,700.0               | 2,698.3               | 2,698.2               | 4.6              | 4.4           | 98.57                 | -5.2                                | 34.4         | 34.8                   | 27.8                    | 7.08                      | 4.924             |                    |          |
| 2,800.0                                                   | 2,800.0               | 2,797.5               | 2,797.0               | 4.7              | 4.4           | 106.10                | -11.5                               | 39.7         | 41.4                   | 34.1                    | 7.25                      | 5.709             |                    |          |
| 2,900.0                                                   | 2,900.0               | 2,897.1               | 2,896.2               | 4.8              | 4.4           | 111.81                | -18.1                               | 45.2         | 48.9                   | 41.4                    | 7.44                      | 6.569             |                    |          |
| 3,000.0                                                   | 3,000.0               | 2,996.7               | 2,995.5               | 4.9              | 4.4           | 115.97                | -24.8                               | 50.8         | 56.7                   | 49.1                    | 7.62                      | 7.444             |                    |          |
| 3,100.0                                                   | 3,100.0               | 3,096.4               | 3,094.7               | 5.0              | 4.4           | 119.11                | -31.4                               | 56.4         | 64.8                   | 57.0                    | 7.78                      | 8.322             |                    |          |
| 3,200.0                                                   | 3,200.0               | 3,196.0               | 3,194.0               | 5.1              | 4.4           | 121.55                | -38.1                               | 62.0         | 73.0                   | 65.1                    | 7.94                      | 9.195             |                    |          |
| 3,300.0                                                   | 3,300.0               | 3,295.6               | 3,293.2               | 5.2              | 4.4           | 123.49                | -44.7                               | 67.6         | 81.3                   | 73.2                    | 8.08                      | 10.058            |                    |          |
| 3,400.0                                                   | 3,400.0               | 3,395.2               | 3,392.4               | 5.3              | 4.4           | 125.07                | -51.4                               | 73.2         | 89.7                   | 81.5                    | 8.23                      | 10.905            |                    |          |
| 3,500.0                                                   | 3,500.0               | 3,494.8               | 3,491.7               | 5.4              | 4.4           | 126.38                | -58.0                               | 78.7         | 98.2                   | 89.8                    | 8.36                      | 11.735            |                    |          |
| 3,600.0                                                   | 3,600.0               | 3,594.5               | 3,590.9               | 5.5              | 4.4           | 127.48                | -64.7                               | 84.3         | 106.6                  | 98.1                    | 8.50                      | 12.544            |                    |          |
| 3,700.0                                                   | 3,700.0               | 3,694.1               | 3,690.2               | 5.7              | 4.4           | 128.42                | -71.3                               | 89.9         | 115.2                  | 106.5                   | 8.64                      | 13.332            |                    |          |
| 3,800.0                                                   | 3,800.0               | 3,793.7               | 3,789.4               | 5.8              | 4.5           | 129.23                | -78.0                               | 95.5         | 123.7                  | 114.9                   | 8.78                      | 14.097            |                    |          |
| 3,900.0                                                   | 3,900.0               | 3,893.3               | 3,888.6               | 5.9              | 4.5           | 129.94                | -84.6                               | 101.1        | 132.3                  | 123.4                   | 8.92                      | 14.838            |                    |          |
| 4,000.0                                                   | 4,000.0               | 3,992.9               | 3,987.9               | 6.0              | 4.5           | 130.56                | -91.3                               | 106.6        | 140.9                  | 131.8                   | 9.06                      | 15.555            |                    |          |
| 4,100.0                                                   | 4,100.0               | 4,092.6               | 4,087.1               | 6.1              | 4.6           | 131.11                | -97.9                               | 112.2        | 149.5                  | 140.3                   | 9.20                      | 16.248            |                    |          |
| 4,200.0                                                   | 4,200.0               | 4,192.2               | 4,186.4               | 6.2              | 4.6           | 131.59                | -104.6                              | 117.8        | 158.1                  | 148.8                   | 9.35                      | 16.917            |                    |          |
| 4,300.0                                                   | 4,300.0               | 4,291.8               | 4,285.6               | 6.3              | 4.6           | 132.03                | -111.2                              | 123.4        | 166.7                  | 157.2                   | 9.49                      | 17.561            |                    |          |
| 4,400.0                                                   | 4,400.0               | 4,391.4               | 4,384.8               | 6.5              | 4.7           | 132.43                | -117.9                              | 129.0        | 175.4                  | 165.7                   | 9.65                      | 18.181            |                    |          |
| 4,500.0                                                   | 4,500.0               | 4,491.0               | 4,484.1               | 6.6              | 4.7           | 132.78                | -124.5                              | 134.5        | 184.0                  | 174.2                   | 9.80                      | 18.778            |                    |          |
| 4,600.0                                                   | 4,600.0               | 4,590.6               | 4,583.3               | 6.7              | 4.8           | 133.11                | -131.2                              | 140.1        | 192.7                  | 182.7                   | 9.96                      | 19.352            |                    |          |
| 4,700.0                                                   | 4,700.0               | 4,690.3               | 4,682.6               | 6.8              | 4.9           | 133.41                | -137.8                              | 145.7        | 201.3                  | 191.2                   | 10.11                     | 19.903            |                    |          |
| 4,800.0                                                   | 4,800.0               | 4,789.9               | 4,781.8               | 6.9              | 4.9           | 133.68                | -144.5                              | 151.3        | 210.0                  | 199.7                   | 10.28                     | 20.433            |                    |          |
| 4,900.0                                                   | 4,900.0               | 4,889.5               | 4,881.0               | 7.0              | 5.0           | 133.93                | -151.1                              | 156.9        | 218.6                  | 208.2                   | 10.44                     | 20.941            |                    |          |
| 5,000.0                                                   | 5,000.0               | 4,989.1               | 4,980.3               | 7.2              | 5.0           | 134.16                | -157.8                              | 162.4        | 227.3                  | 216.7                   | 10.61                     | 21.428            |                    |          |
| 5,100.0                                                   | 5,100.0               | 5,088.7               | 5,079.5               | 7.3              | 5.1           | 134.38                | -164.4                              | 168.0        | 236.0                  | 225.2                   | 10.78                     | 21.896            |                    |          |
| 5,200.0                                                   | 5,200.0               | 5,188.4               | 5,178.8               | 7.4              | 5.2           | 134.58                | -171.1                              | 173.6        | 244.7                  | 233.7                   | 10.95                     | 22.344            |                    |          |
| 5,300.0                                                   | 5,300.0               | 5,288.0               | 5,278.0               | 7.5              | 5.3           | 134.77                | -177.7                              | 179.2        | 253.3                  | 242.2                   | 11.12                     | 22.773            |                    |          |
| 5,400.0                                                   | 5,400.0               | 5,387.6               | 5,377.3               | 7.6              | 5.3           | 134.94                | -184.4                              | 184.8        | 262.0                  | 250.7                   | 11.30                     | 23.185            |                    |          |
| 5,500.0                                                   | 5,500.0               | 5,487.2               | 5,476.5               | 7.8              | 5.4           | 135.10                | -191.0                              | 190.4        | 270.7                  | 259.2                   | 11.48                     | 23.580            |                    |          |
| 5,600.0                                                   | 5,600.0               | 5,586.9               | 5,575.8               | 7.8              | 5.5           | -62.09                | -197.7                              | 195.9        | 278.6                  | 267.0                   | 11.61                     | 24.004            |                    |          |
| 5,700.0                                                   | 5,699.8               | 5,686.6               | 5,675.1               | 7.8              | 5.6           | -62.76                | -204.3                              | 201.5        | 284.8                  | 273.2                   | 11.67                     | 24.415            |                    |          |
| 5,783.6                                                   | 5,783.1               | 5,770.0               | 5,758.1               | 7.7              | 5.6           | -63.78                | -209.9                              | 206.2        | 288.9                  | 277.2                   | 11.71                     | 24.683            |                    |          |
| 5,800.0                                                   | 5,799.5               | 5,786.3               | 5,774.4               | 7.7              | 5.7           | -64.04                | -211.0                              | 207.1        | 289.6                  | 277.9                   | 11.71                     | 24.729            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design                                             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 3.0 usft |
|-----------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 9090-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                 |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 5,900.0                                                   | 5,899.0               | 5,885.9               | 5,873.6               | 7.7              | 5.7           | -65.56                | -217.6                              | 212.7        | 294.1                  | 282.3                   | 11.76                     | 25.005             |          |
| 6,000.0                                                   | 5,998.5               | 5,985.5               | 5,972.9               | 7.6              | 5.8           | -67.03                | -224.3                              | 218.3        | 298.7                  | 286.9                   | 11.82                     | 25.273             |          |
| 6,100.0                                                   | 6,098.0               | 6,085.1               | 6,072.1               | 7.6              | 5.9           | -68.46                | -230.9                              | 223.8        | 303.6                  | 291.7                   | 11.89                     | 25.532             |          |
| 6,200.0                                                   | 6,197.5               | 6,184.7               | 6,171.3               | 7.6              | 6.0           | -69.85                | -237.6                              | 229.4        | 308.6                  | 296.6                   | 11.97                     | 25.784             |          |
| 6,300.0                                                   | 6,297.0               | 6,284.3               | 6,270.5               | 7.5              | 6.1           | -71.18                | -244.2                              | 235.0        | 313.8                  | 301.8                   | 12.06                     | 26.027             |          |
| 6,400.0                                                   | 6,396.5               | 6,383.9               | 6,369.7               | 7.5              | 6.2           | -72.48                | -250.9                              | 240.6        | 319.2                  | 307.0                   | 12.15                     | 26.262             |          |
| 6,500.0                                                   | 6,496.0               | 6,483.5               | 6,468.9               | 7.5              | 6.3           | -73.73                | -257.5                              | 246.2        | 324.7                  | 312.5                   | 12.26                     | 26.489             |          |
| 6,600.0                                                   | 6,595.5               | 6,583.1               | 6,568.2               | 7.5              | 6.4           | -74.94                | -264.2                              | 251.7        | 330.4                  | 318.0                   | 12.37                     | 26.708             |          |
| 6,700.0                                                   | 6,695.1               | 6,682.7               | 6,667.4               | 7.4              | 6.5           | -76.11                | -270.8                              | 257.3        | 336.2                  | 323.7                   | 12.49                     | 26.920             |          |
| 6,800.0                                                   | 6,794.6               | 6,782.3               | 6,766.6               | 7.4              | 6.6           | -77.24                | -277.5                              | 262.9        | 342.2                  | 329.5                   | 12.61                     | 27.125             |          |
| 6,900.0                                                   | 6,894.1               | 6,881.9               | 6,865.8               | 7.4              | 6.7           | -78.33                | -284.1                              | 268.5        | 348.2                  | 335.5                   | 12.75                     | 27.322             |          |
| 7,000.0                                                   | 6,993.6               | 6,981.5               | 6,965.0               | 7.4              | 6.8           | -79.38                | -290.8                              | 274.1        | 354.4                  | 341.6                   | 12.88                     | 27.514             |          |
| 7,100.0                                                   | 7,093.1               | 7,081.1               | 7,064.3               | 7.4              | 6.9           | -80.39                | -297.4                              | 279.6        | 360.8                  | 347.7                   | 13.02                     | 27.699             |          |
| 7,200.0                                                   | 7,192.6               | 7,180.7               | 7,163.5               | 7.4              | 7.0           | -81.37                | -304.1                              | 285.2        | 367.2                  | 354.0                   | 13.17                     | 27.878             |          |
| 7,300.0                                                   | 7,292.1               | 7,280.3               | 7,262.7               | 7.4              | 7.1           | -82.32                | -310.7                              | 290.8        | 373.7                  | 360.4                   | 13.32                     | 28.056             |          |
| 7,400.0                                                   | 7,391.6               | 7,379.9               | 7,361.9               | 7.4              | 7.2           | -83.23                | -317.4                              | 296.4        | 380.4                  | 366.9                   | 13.48                     | 28.222             |          |
| 7,500.0                                                   | 7,491.1               | 7,479.5               | 7,461.1               | 7.4              | 7.3           | -84.12                | -324.0                              | 302.0        | 387.1                  | 373.4                   | 13.64                     | 28.386             |          |
| 7,600.0                                                   | 7,590.6               | 7,579.1               | 7,560.4               | 7.4              | 7.4           | -84.97                | -330.7                              | 307.5        | 393.9                  | 380.1                   | 13.80                     | 28.546             |          |
| 7,700.0                                                   | 7,690.2               | 7,678.7               | 7,659.6               | 7.4              | 7.5           | -85.79                | -337.3                              | 313.1        | 400.8                  | 386.8                   | 13.96                     | 28.701             |          |
| 7,800.0                                                   | 7,789.7               | 7,778.3               | 7,758.8               | 7.4              | 7.6           | -86.59                | -344.0                              | 318.7        | 407.8                  | 393.6                   | 14.13                     | 28.852             |          |
| 7,900.0                                                   | 7,889.2               | 7,877.9               | 7,858.0               | 7.4              | 7.7           | -87.35                | -350.6                              | 324.3        | 414.8                  | 400.5                   | 14.30                     | 28.999             |          |
| 8,000.0                                                   | 7,988.7               | 7,977.5               | 7,957.2               | 7.4              | 7.8           | -88.10                | -357.3                              | 329.9        | 421.9                  | 407.5                   | 14.48                     | 29.142             |          |
| 8,100.0                                                   | 8,088.2               | 8,077.1               | 8,056.5               | 7.4              | 7.9           | -88.81                | -363.9                              | 335.4        | 429.1                  | 414.5                   | 14.66                     | 29.281             |          |
| 8,200.0                                                   | 8,187.7               | 8,176.7               | 8,155.7               | 7.4              | 8.0           | -89.51                | -370.6                              | 341.0        | 436.4                  | 421.6                   | 14.83                     | 29.417             |          |
| 8,300.0                                                   | 8,287.2               | 8,276.3               | 8,254.9               | 7.4              | 8.1           | -90.18                | -377.2                              | 346.6        | 443.7                  | 428.7                   | 15.02                     | 29.550             |          |
| 8,400.0                                                   | 8,386.7               | 8,375.8               | 8,354.1               | 7.5              | 8.2           | -90.83                | -383.9                              | 352.2        | 451.1                  | 435.9                   | 15.20                     | 29.678             |          |
| 8,500.0                                                   | 8,486.2               | 8,475.4               | 8,453.3               | 7.5              | 8.3           | -91.46                | -390.5                              | 357.8        | 458.5                  | 443.1                   | 15.38                     | 29.804             |          |
| 8,600.0                                                   | 8,585.7               | 8,575.0               | 8,552.6               | 7.5              | 8.5           | -92.07                | -397.2                              | 363.3        | 466.0                  | 450.4                   | 15.57                     | 29.927             |          |
| 8,700.0                                                   | 8,685.3               | 8,674.6               | 8,651.8               | 7.5              | 8.6           | -92.66                | -403.8                              | 368.9        | 473.5                  | 457.8                   | 15.76                     | 30.046             |          |
| 8,800.0                                                   | 8,784.8               | 8,774.2               | 8,751.0               | 7.6              | 8.7           | -93.23                | -410.5                              | 374.5        | 481.1                  | 465.2                   | 15.95                     | 30.162             |          |
| 8,900.0                                                   | 8,884.3               | 8,873.8               | 8,850.2               | 7.6              | 8.8           | -93.78                | -417.1                              | 380.1        | 488.8                  | 472.6                   | 16.14                     | 30.275             |          |
| 9,000.0                                                   | 8,983.8               | 8,973.4               | 8,949.4               | 7.7              | 8.9           | -94.32                | -423.8                              | 385.7        | 496.4                  | 480.1                   | 16.34                     | 30.385             |          |
| 9,069.6                                                   | 9,053.0               | 9,042.7               | 9,018.5               | 7.8              | 9.0           | -94.68                | -428.4                              | 389.5        | 501.8                  | 485.4                   | 16.44                     | 30.530             |          |
| 9,075.0                                                   | 9,058.4               | 9,048.1               | 9,023.9               | 7.8              | 9.0           | -93.57                | -428.8                              | 389.8        | 502.2                  | 485.8                   | 16.44                     | 30.549             |          |
| 9,100.0                                                   | 9,083.2               | 9,073.0               | 9,048.6               | 7.8              | 9.0           | -90.52                | -430.4                              | 391.2        | 504.1                  | 487.6                   | 16.46                     | 30.630             |          |
| 9,125.0                                                   | 9,107.7               | 9,095.0               | 9,070.6               | 7.8              | 9.0           | -89.07                | -431.9                              | 392.5        | 505.8                  | 489.3                   | 16.48                     | 30.689             |          |
| 9,150.0                                                   | 9,132.0               | 9,111.0               | 9,086.5               | 7.8              | 9.0           | -88.17                | -433.4                              | 393.5        | 507.7                  | 491.2                   | 16.53                     | 30.711             |          |
| 9,175.0                                                   | 9,156.0               | 9,125.0               | 9,100.3               | 7.8              | 9.0           | -87.55                | -435.1                              | 394.6        | 510.0                  | 493.4                   | 16.61                     | 30.697             |          |
| 9,200.0                                                   | 9,179.5               | 9,143.0               | 9,118.0               | 7.8              | 9.0           | -87.20                | -437.9                              | 396.1        | 512.6                  | 495.9                   | 16.68                     | 30.737             |          |
| 9,225.0                                                   | 9,202.5               | 9,158.9               | 9,133.5               | 7.8              | 9.0           | -86.92                | -440.8                              | 397.6        | 515.5                  | 498.7                   | 16.77                     | 30.748             |          |
| 9,250.0                                                   | 9,225.0               | 9,175.0               | 9,149.2               | 7.9              | 9.0           | -86.72                | -444.3                              | 399.4        | 518.7                  | 501.9                   | 16.86                     | 30.768             |          |
| 9,275.0                                                   | 9,247.0               | 9,190.6               | 9,164.2               | 7.9              | 9.0           | -86.56                | -448.2                              | 401.2        | 522.3                  | 505.3                   | 16.97                     | 30.785             |          |
| 9,300.0                                                   | 9,268.2               | 9,206.5               | 9,179.3               | 7.9              | 9.0           | -86.43                | -452.6                              | 403.2        | 526.2                  | 509.1                   | 17.07                     | 30.820             |          |
| 9,325.0                                                   | 9,288.8               | 9,225.0               | 9,196.7               | 8.0              | 9.1           | -86.42                | -458.3                              | 405.8        | 530.4                  | 513.3                   | 17.14                     | 30.939             |          |
| 9,350.0                                                   | 9,308.5               | 9,238.0               | 9,208.8               | 8.0              | 9.1           | -86.24                | -462.7                              | 407.7        | 534.9                  | 517.6                   | 17.29                     | 30.940             |          |
| 9,375.0                                                   | 9,327.5               | 9,250.0               | 9,219.8               | 8.1              | 9.1           | -86.00                | -467.1                              | 409.6        | 539.8                  | 522.4                   | 17.45                     | 30.931             |          |
| 9,400.0                                                   | 9,345.5               | 9,269.5               | 9,237.5               | 8.1              | 9.1           | -86.07                | -474.7                              | 412.8        | 545.0                  | 527.5                   | 17.49                     | 31.151             |          |
| 9,425.0                                                   | 9,362.7               | 9,285.1               | 9,251.4               | 8.1              | 9.1           | -85.98                | -481.3                              | 415.6        | 550.5                  | 532.9                   | 17.59                     | 31.297             |          |
| 9,450.0                                                   | 9,378.8               | 9,300.0               | 9,264.4               | 8.2              | 9.1           | -85.85                | -488.0                              | 418.3        | 556.3                  | 538.6                   | 17.69                     | 31.453             |          |
| 9,475.0                                                   | 9,394.0               | 9,316.4               | 9,278.5               | 8.2              | 9.1           | -85.78                | -495.8                              | 421.5        | 562.5                  | 544.7                   | 17.75                     | 31.682             |          |
| 9,500.0                                                   | 9,408.0               | 9,332.0               | 9,291.6               | 8.3              | 9.1           | -85.67                | -503.6                              | 424.6        | 568.9                  | 551.1                   | 17.82                     | 31.923             |          |
| 9,525.0                                                   | 9,421.0               | 9,350.0               | 9,306.3               | 8.3              | 9.1           | -85.66                | -513.1                              | 428.4        | 575.7                  | 557.9                   | 17.85                     | 32.257             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design                                             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 3.0 usft |
|-----------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 9090-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                 |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 9,550.0                                                   | 9,432.8               | 9,363.2               | 9,316.9               | 8.4              | 9.2           | -85.40                | -520.5                              | 431.3        | 582.8                  | 564.9                   | 17.93                     | 32.504             |          |
| 9,575.0                                                   | 9,443.5               | 9,378.8               | 9,329.1               | 8.4              | 9.2           | -85.24                | -529.5                              | 434.9        | 590.2                  | 572.2                   | 17.97                     | 32.844             |          |
| 9,600.0                                                   | 9,453.0               | 9,394.4               | 9,341.0               | 8.5              | 9.2           | -85.06                | -538.9                              | 438.5        | 597.9                  | 579.9                   | 18.00                     | 33.215             |          |
| 9,625.0                                                   | 9,461.2               | 9,410.0               | 9,352.6               | 8.5              | 9.2           | -84.87                | -548.7                              | 442.3        | 605.8                  | 587.8                   | 18.02                     | 33.615             |          |
| 9,650.0                                                   | 9,468.2               | 9,425.0               | 9,363.4               | 8.6              | 9.2           | -84.63                | -558.4                              | 446.0        | 614.1                  | 596.0                   | 18.04                     | 34.034             |          |
| 9,675.0                                                   | 9,474.0               | 9,441.3               | 9,374.7               | 8.6              | 9.3           | -84.44                | -569.3                              | 450.2        | 622.6                  | 604.5                   | 18.05                     | 34.496             |          |
| 9,700.0                                                   | 9,478.4               | 9,457.0               | 9,385.3               | 8.7              | 9.3           | -84.20                | -580.2                              | 454.3        | 631.3                  | 613.3                   | 18.05                     | 34.969             |          |
| 9,725.0                                                   | 9,481.6               | 9,472.8               | 9,395.5               | 8.7              | 9.3           | -83.94                | -591.5                              | 458.6        | 640.3                  | 622.2                   | 18.06                     | 35.459             |          |
| 9,750.0                                                   | 9,483.5               | 9,488.7               | 9,405.4               | 8.8              | 9.3           | -83.67                | -603.1                              | 462.9        | 649.5                  | 631.5                   | 18.06                     | 35.959             |          |
| 9,773.7                                                   | 9,484.0               | 9,503.8               | 9,414.4               | 8.8              | 9.4           | -83.40                | -614.5                              | 467.2        | 658.5                  | 640.4                   | 18.07                     | 36.440             |          |
| 9,800.0                                                   | 9,484.0               | 9,521.2               | 9,424.3               | 8.9              | 9.4           | -84.41                | -627.9                              | 472.2        | 668.6                  | 650.5                   | 18.09                     | 36.958             |          |
| 9,900.0                                                   | 9,483.9               | 9,596.6               | 9,460.8               | 9.3              | 9.6           | -87.94                | -689.8                              | 494.8        | 707.9                  | 689.5                   | 18.38                     | 38.512             |          |
| 10,000.0                                                  | 9,483.7               | 9,686.6               | 9,490.3               | 9.8              | 9.8           | -90.51                | -769.6                              | 523.5        | 746.2                  | 727.2                   | 18.99                     | 39.285             |          |
| 10,100.0                                                  | 9,483.6               | 9,787.6               | 9,503.8               | 10.4             | 10.1          | -91.54                | -863.9                              | 556.6        | 781.3                  | 761.4                   | 19.87                     | 39.312             |          |
| 10,155.2                                                  | 9,483.5               | 9,856.3               | 9,503.8               | 10.7             | 10.3          | -91.50                | -929.0                              | 578.7        | 798.5                  | 778.0                   | 20.51                     | 38.934             |          |
| 10,200.0                                                  | 9,483.5               | 9,916.1               | 9,503.7               | 11.0             | 10.6          | -91.46                | -986.0                              | 596.6        | 811.2                  | 790.1                   | 21.10                     | 38.442             |          |
| 10,300.0                                                  | 9,483.3               | 10,052.0              | 9,503.3               | 11.6             | 11.3          | -91.39                | -1,117.0                            | 632.9        | 836.0                  | 813.5                   | 22.51                     | 37.141             |          |
| 10,400.0                                                  | 9,483.2               | 10,191.0              | 9,502.9               | 12.3             | 12.0          | -91.33                | -1,252.5                            | 663.6        | 856.3                  | 832.2                   | 24.04                     | 35.614             |          |
| 10,500.0                                                  | 9,483.0               | 10,332.4              | 9,502.6               | 13.0             | 12.9          | -91.28                | -1,391.8                            | 688.0        | 871.7                  | 846.0                   | 25.66                     | 33.965             |          |
| 10,600.0                                                  | 9,482.9               | 10,475.8              | 9,502.2               | 13.7             | 13.8          | -91.25                | -1,534.0                            | 705.7        | 882.1                  | 854.8                   | 27.33                     | 32.272             |          |
| 10,700.0                                                  | 9,482.8               | 10,620.2              | 9,501.8               | 14.4             | 14.8          | -91.23                | -1,678.1                            | 716.3        | 887.6                  | 858.6                   | 29.03                     | 30.579             |          |
| 10,800.0                                                  | 9,482.6               | 10,746.5              | 9,501.5               | 15.1             | 15.6          | -91.22                | -1,804.3                            | 720.0        | 888.5                  | 857.9                   | 30.61                     | 29.028             |          |
| 10,900.0                                                  | 9,482.5               | 10,846.5              | 9,501.2               | 15.9             | 16.3          | -91.21                | -1,904.3                            | 721.8        | 888.5                  | 856.4                   | 32.05                     | 27.719             |          |
| 11,000.0                                                  | 9,482.3               | 10,946.5              | 9,500.9               | 16.7             | 17.0          | -91.20                | -2,004.3                            | 723.7        | 888.5                  | 854.9                   | 33.52                     | 26.502             |          |
| 11,100.0                                                  | 9,482.2               | 11,046.5              | 9,500.7               | 17.4             | 17.7          | -91.19                | -2,104.3                            | 725.6        | 888.4                  | 853.4                   | 35.02                     | 25.372             |          |
| 11,200.0                                                  | 9,482.1               | 11,146.5              | 9,500.4               | 18.2             | 18.5          | -91.18                | -2,204.3                            | 727.5        | 888.4                  | 851.9                   | 36.53                     | 24.320             |          |
| 11,300.0                                                  | 9,481.9               | 11,246.5              | 9,500.2               | 19.0             | 19.2          | -91.18                | -2,304.2                            | 729.4        | 888.4                  | 850.4                   | 38.06                     | 23.341             |          |
| 11,400.0                                                  | 9,481.8               | 11,346.5              | 9,499.9               | 19.8             | 20.0          | -91.17                | -2,404.2                            | 731.2        | 888.4                  | 848.8                   | 39.61                     | 22.429             |          |
| 11,500.0                                                  | 9,481.7               | 11,446.5              | 9,499.6               | 20.6             | 20.7          | -91.16                | -2,504.2                            | 733.1        | 888.4                  | 847.2                   | 41.17                     | 21.578             |          |
| 11,600.0                                                  | 9,481.5               | 11,546.5              | 9,499.4               | 21.4             | 21.5          | -91.15                | -2,604.2                            | 735.0        | 888.4                  | 845.7                   | 42.75                     | 20.783             |          |
| 11,700.0                                                  | 9,481.4               | 11,646.5              | 9,499.1               | 22.2             | 22.3          | -91.14                | -2,704.2                            | 736.9        | 888.4                  | 844.1                   | 44.33                     | 20.040             |          |
| 11,800.0                                                  | 9,481.2               | 11,746.5              | 9,498.8               | 23.0             | 23.0          | -91.13                | -2,804.1                            | 738.8        | 888.4                  | 842.5                   | 45.93                     | 19.344             |          |
| 11,900.0                                                  | 9,481.1               | 11,846.5              | 9,498.6               | 23.8             | 23.8          | -91.13                | -2,904.1                            | 740.6        | 888.4                  | 840.8                   | 47.53                     | 18.691             |          |
| 12,000.0                                                  | 9,481.0               | 11,946.5              | 9,498.3               | 24.6             | 24.6          | -91.12                | -3,004.1                            | 742.5        | 888.4                  | 839.2                   | 49.14                     | 18.078             |          |
| 12,100.0                                                  | 9,480.8               | 12,046.5              | 9,498.1               | 25.5             | 25.4          | -91.11                | -3,104.1                            | 744.4        | 888.4                  | 837.6                   | 50.76                     | 17.501             |          |
| 12,200.0                                                  | 9,480.7               | 12,146.5              | 9,497.8               | 26.3             | 26.2          | -91.10                | -3,204.1                            | 746.3        | 888.3                  | 836.0                   | 52.39                     | 16.958             |          |
| 12,300.0                                                  | 9,480.6               | 12,246.5              | 9,497.5               | 27.1             | 27.0          | -91.09                | -3,304.1                            | 748.2        | 888.3                  | 834.3                   | 54.02                     | 16.445             |          |
| 12,400.0                                                  | 9,480.4               | 12,346.5              | 9,497.3               | 27.9             | 27.8          | -91.09                | -3,404.0                            | 750.0        | 888.3                  | 832.7                   | 55.66                     | 15.961             |          |
| 12,500.0                                                  | 9,480.3               | 12,446.5              | 9,497.0               | 28.8             | 28.6          | -91.08                | -3,504.0                            | 751.9        | 888.3                  | 831.0                   | 57.30                     | 15.503             |          |
| 12,600.0                                                  | 9,480.1               | 12,546.5              | 9,496.7               | 29.6             | 29.4          | -91.07                | -3,604.0                            | 753.8        | 888.3                  | 829.4                   | 58.95                     | 15.070             |          |
| 12,700.0                                                  | 9,480.0               | 12,646.5              | 9,496.5               | 30.4             | 30.3          | -91.06                | -3,704.0                            | 755.7        | 888.3                  | 827.7                   | 60.60                     | 14.659             |          |
| 12,800.0                                                  | 9,479.9               | 12,746.5              | 9,496.2               | 31.3             | 31.1          | -91.05                | -3,804.0                            | 757.6        | 888.3                  | 826.0                   | 62.25                     | 14.269             |          |
| 12,900.0                                                  | 9,479.7               | 12,846.5              | 9,496.0               | 32.1             | 31.9          | -91.05                | -3,903.9                            | 759.4        | 888.3                  | 824.4                   | 63.91                     | 13.899             |          |
| 13,000.0                                                  | 9,479.6               | 12,946.5              | 9,495.7               | 33.0             | 32.7          | -91.04                | -4,003.9                            | 761.3        | 888.3                  | 822.7                   | 65.57                     | 13.546             |          |
| 13,100.0                                                  | 9,479.5               | 13,046.5              | 9,495.4               | 33.8             | 33.5          | -91.03                | -4,103.9                            | 763.2        | 888.3                  | 821.0                   | 67.24                     | 13.211             |          |
| 13,200.0                                                  | 9,479.3               | 13,146.5              | 9,495.2               | 34.6             | 34.4          | -91.02                | -4,203.9                            | 765.1        | 888.3                  | 819.3                   | 68.91                     | 12.891             |          |
| 13,300.0                                                  | 9,479.2               | 13,246.5              | 9,494.9               | 35.5             | 35.2          | -91.01                | -4,303.9                            | 767.0        | 888.2                  | 817.7                   | 70.58                     | 12.585             |          |
| 13,400.0                                                  | 9,479.0               | 13,346.5              | 9,494.6               | 36.3             | 36.0          | -91.01                | -4,403.9                            | 768.8        | 888.2                  | 816.0                   | 72.25                     | 12.294             |          |
| 13,500.0                                                  | 9,478.9               | 13,446.5              | 9,494.4               | 37.2             | 36.8          | -91.00                | -4,503.8                            | 770.7        | 888.2                  | 814.3                   | 73.93                     | 12.015             |          |
| 13,600.0                                                  | 9,478.8               | 13,546.5              | 9,494.1               | 38.0             | 37.7          | -90.99                | -4,603.8                            | 772.6        | 888.2                  | 812.6                   | 75.60                     | 11.748             |          |
| 13,700.0                                                  | 9,478.6               | 13,646.5              | 9,493.9               | 38.9             | 38.5          | -90.98                | -4,703.8                            | 774.5        | 888.2                  | 810.9                   | 77.28                     | 11.493             |          |
| 13,800.0                                                  | 9,478.5               | 13,746.5              | 9,493.6               | 39.7             | 39.3          | -90.97                | -4,803.8                            | 776.4        | 888.2                  | 809.2                   | 78.97                     | 11.248             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design                                             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 3.0 usft |
|-----------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 9090-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                 |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toelface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,900.0                                                  | 9,478.4               | 13,846.5              | 9,493.3               | 40.5             | 40.2          | -90.97                | -4,903.8                            | 778.2        | 888.2                  | 807.5                   | 80.65                     | 11.013             |          |
| 14,000.0                                                  | 9,478.2               | 13,946.5              | 9,493.1               | 41.4             | 41.0          | -90.96                | -5,003.7                            | 780.1        | 888.2                  | 805.9                   | 82.33                     | 10.788             |          |
| 14,100.0                                                  | 9,478.1               | 14,046.5              | 9,492.8               | 42.2             | 41.9          | -90.95                | -5,103.7                            | 782.0        | 888.2                  | 804.2                   | 84.02                     | 10.571             |          |
| 14,200.0                                                  | 9,477.9               | 14,146.5              | 9,492.5               | 43.1             | 42.7          | -90.94                | -5,203.7                            | 783.9        | 888.2                  | 802.5                   | 85.71                     | 10.363             |          |
| 14,300.0                                                  | 9,477.8               | 14,246.5              | 9,492.3               | 43.9             | 43.5          | -90.93                | -5,303.7                            | 785.8        | 888.2                  | 800.8                   | 87.40                     | 10.162             |          |
| 14,400.0                                                  | 9,477.7               | 14,346.5              | 9,492.0               | 44.8             | 44.4          | -90.93                | -5,403.7                            | 787.6        | 888.2                  | 799.1                   | 89.09                     | 9.969              |          |
| 14,500.0                                                  | 9,477.5               | 14,446.5              | 9,491.8               | 45.6             | 45.2          | -90.92                | -5,503.7                            | 789.5        | 888.1                  | 797.4                   | 90.78                     | 9.783              |          |
| 14,600.0                                                  | 9,477.4               | 14,546.5              | 9,491.5               | 46.5             | 46.1          | -90.91                | -5,603.6                            | 791.4        | 888.1                  | 795.7                   | 92.48                     | 9.604              |          |
| 14,700.0                                                  | 9,477.2               | 14,646.5              | 9,491.2               | 47.3             | 46.9          | -90.90                | -5,703.6                            | 793.3        | 888.1                  | 794.0                   | 94.17                     | 9.431              |          |
| 14,800.0                                                  | 9,477.1               | 14,746.5              | 9,491.0               | 48.2             | 47.7          | -90.89                | -5,803.6                            | 795.2        | 888.1                  | 792.3                   | 95.86                     | 9.264              |          |
| 14,880.8                                                  | 9,477.0               | 14,827.3              | 9,490.7               | 48.9             | 48.4          | -90.89                | -5,884.4                            | 796.7        | 888.1                  | 790.9                   | 97.23                     | 9.134              |          |
| 14,881.1                                                  | 9,477.0               | 14,827.6              | 9,490.7               | 48.9             | 48.4          | -90.89                | -5,884.6                            | 796.7        | 888.1                  | 790.9                   | 97.24                     | 9.133              |          |
| 14,900.0                                                  | 9,477.0               | 14,846.6              | 9,490.7               | 49.0             | 48.6          | -90.88                | -5,903.7                            | 797.0        | 888.2                  | 790.6                   | 97.56                     | 9.104              |          |
| 14,935.0                                                  | 9,476.9               | 14,897.4              | 9,490.6               | 49.3             | 49.0          | -90.88                | -5,954.5                            | 797.5        | 888.3                  | 790.1                   | 98.25                     | 9.042              |          |
| 15,000.0                                                  | 9,476.8               | 14,963.1              | 9,490.4               | 49.9             | 49.6          | -90.87                | -6,020.2                            | 797.5        | 888.3                  | 789.0                   | 99.35                     | 8.941              |          |
| 15,100.0                                                  | 9,476.7               | 15,063.1              | 9,490.1               | 50.7             | 50.4          | -90.87                | -6,120.2                            | 797.6        | 888.3                  | 787.3                   | 101.04                    | 8.792              |          |
| 15,200.0                                                  | 9,476.6               | 15,163.1              | 9,489.9               | 51.6             | 51.3          | -90.86                | -6,220.2                            | 797.6        | 888.3                  | 785.6                   | 102.74                    | 8.647              |          |
| 15,300.0                                                  | 9,476.5               | 15,263.1              | 9,489.6               | 52.4             | 52.1          | -90.85                | -6,320.2                            | 797.6        | 888.4                  | 783.9                   | 104.43                    | 8.506              |          |
| 15,400.0                                                  | 9,476.3               | 15,363.1              | 9,489.4               | 53.3             | 52.9          | -90.84                | -6,420.2                            | 797.6        | 888.4                  | 782.2                   | 106.13                    | 8.371              |          |
| 15,500.0                                                  | 9,476.2               | 15,463.1              | 9,489.1               | 54.1             | 53.8          | -90.83                | -6,520.2                            | 797.6        | 888.4                  | 780.5                   | 107.83                    | 8.239              |          |
| 15,600.0                                                  | 9,476.1               | 15,563.1              | 9,488.9               | 55.0             | 54.6          | -90.82                | -6,620.2                            | 797.6        | 888.4                  | 778.9                   | 109.52                    | 8.111              |          |
| 15,700.0                                                  | 9,475.9               | 15,663.1              | 9,488.6               | 55.8             | 55.5          | -90.82                | -6,720.2                            | 797.6        | 888.4                  | 777.2                   | 111.22                    | 7.988              |          |
| 15,800.0                                                  | 9,475.8               | 15,763.1              | 9,488.3               | 56.7             | 56.3          | -90.81                | -6,820.2                            | 797.6        | 888.4                  | 775.5                   | 112.92                    | 7.868              |          |
| 15,900.0                                                  | 9,475.7               | 15,863.1              | 9,488.1               | 57.6             | 57.2          | -90.80                | -6,920.2                            | 797.6        | 888.4                  | 773.8                   | 114.62                    | 7.751              |          |
| 16,000.0                                                  | 9,475.6               | 15,963.1              | 9,487.8               | 58.4             | 58.0          | -90.79                | -7,020.2                            | 797.6        | 888.4                  | 772.1                   | 116.32                    | 7.638              |          |
| 16,100.0                                                  | 9,475.4               | 16,063.1              | 9,487.6               | 59.3             | 58.9          | -90.78                | -7,120.2                            | 797.6        | 888.4                  | 770.4                   | 118.02                    | 7.528              |          |
| 16,200.0                                                  | 9,475.3               | 16,163.1              | 9,487.3               | 60.1             | 59.7          | -90.77                | -7,220.2                            | 797.6        | 888.5                  | 768.7                   | 119.72                    | 7.421              |          |
| 16,300.0                                                  | 9,475.2               | 16,263.1              | 9,487.1               | 61.0             | 60.6          | -90.77                | -7,320.2                            | 797.6        | 888.5                  | 767.0                   | 121.43                    | 7.317              |          |
| 16,400.0                                                  | 9,475.0               | 16,363.1              | 9,486.8               | 61.8             | 61.4          | -90.76                | -7,420.2                            | 797.7        | 888.5                  | 765.4                   | 123.13                    | 7.216              |          |
| 16,500.0                                                  | 9,474.9               | 16,463.1              | 9,486.6               | 62.7             | 62.2          | -90.75                | -7,520.2                            | 797.7        | 888.5                  | 763.7                   | 124.83                    | 7.118              |          |
| 16,600.0                                                  | 9,474.8               | 16,563.1              | 9,486.3               | 63.5             | 63.1          | -90.74                | -7,620.2                            | 797.7        | 888.5                  | 762.0                   | 126.53                    | 7.022              |          |
| 16,700.0                                                  | 9,474.7               | 16,663.1              | 9,486.0               | 64.4             | 63.9          | -90.73                | -7,720.2                            | 797.7        | 888.5                  | 760.3                   | 128.24                    | 6.929              |          |
| 16,800.0                                                  | 9,474.5               | 16,763.1              | 9,485.8               | 65.2             | 64.8          | -90.73                | -7,820.2                            | 797.7        | 888.5                  | 758.6                   | 129.94                    | 6.838              |          |
| 16,900.0                                                  | 9,474.4               | 16,863.1              | 9,485.5               | 66.1             | 65.6          | -90.72                | -7,920.2                            | 797.7        | 888.5                  | 756.9                   | 131.65                    | 6.749              |          |
| 17,000.0                                                  | 9,474.3               | 16,963.1              | 9,485.3               | 66.9             | 66.5          | -90.71                | -8,020.2                            | 797.7        | 888.6                  | 755.2                   | 133.35                    | 6.663              |          |
| 17,100.0                                                  | 9,474.2               | 17,063.1              | 9,485.0               | 67.8             | 67.3          | -90.70                | -8,120.2                            | 797.7        | 888.6                  | 753.5                   | 135.06                    | 6.579              |          |
| 17,200.0                                                  | 9,474.0               | 17,163.1              | 9,484.8               | 68.7             | 68.2          | -90.69                | -8,220.2                            | 797.7        | 888.6                  | 751.8                   | 136.76                    | 6.497              |          |
| 17,300.0                                                  | 9,473.9               | 17,263.1              | 9,484.5               | 69.5             | 69.0          | -90.68                | -8,320.2                            | 797.7        | 888.6                  | 750.1                   | 138.47                    | 6.417              |          |
| 17,400.0                                                  | 9,473.8               | 17,363.1              | 9,484.2               | 70.4             | 69.9          | -90.68                | -8,420.2                            | 797.7        | 888.6                  | 748.4                   | 140.18                    | 6.339              |          |
| 17,500.0                                                  | 9,473.6               | 17,463.1              | 9,484.0               | 71.2             | 70.7          | -90.67                | -8,520.2                            | 797.7        | 888.6                  | 746.7                   | 141.88                    | 6.263              |          |
| 17,600.0                                                  | 9,473.5               | 17,563.1              | 9,483.7               | 72.1             | 71.6          | -90.66                | -8,620.2                            | 797.7        | 888.6                  | 745.0                   | 143.59                    | 6.189              |          |
| 17,700.0                                                  | 9,473.4               | 17,663.1              | 9,483.5               | 72.9             | 72.4          | -90.65                | -8,720.2                            | 797.8        | 888.6                  | 743.4                   | 145.30                    | 6.116              |          |
| 17,800.0                                                  | 9,473.3               | 17,763.1              | 9,483.2               | 73.8             | 73.3          | -90.64                | -8,820.2                            | 797.8        | 888.7                  | 741.7                   | 147.01                    | 6.045              |          |
| 17,900.0                                                  | 9,473.1               | 17,863.1              | 9,483.0               | 74.6             | 74.1          | -90.63                | -8,920.2                            | 797.8        | 888.7                  | 740.0                   | 148.71                    | 5.976              |          |
| 18,000.0                                                  | 9,473.0               | 17,963.1              | 9,482.7               | 75.5             | 75.0          | -90.63                | -9,020.2                            | 797.8        | 888.7                  | 738.3                   | 150.42                    | 5.908              |          |
| 18,100.0                                                  | 9,472.9               | 18,063.1              | 9,482.4               | 76.4             | 75.9          | -90.62                | -9,120.2                            | 797.8        | 888.7                  | 736.6                   | 152.13                    | 5.842              |          |
| 18,200.0                                                  | 9,472.7               | 18,163.1              | 9,482.2               | 77.2             | 76.7          | -90.61                | -9,220.2                            | 797.8        | 888.7                  | 734.9                   | 153.84                    | 5.777              |          |
| 18,300.0                                                  | 9,472.6               | 18,263.1              | 9,481.9               | 78.1             | 77.6          | -90.60                | -9,320.2                            | 797.8        | 888.7                  | 733.2                   | 155.55                    | 5.714              |          |
| 18,400.0                                                  | 9,472.5               | 18,363.1              | 9,481.7               | 78.9             | 78.4          | -90.59                | -9,420.2                            | 797.8        | 888.7                  | 731.5                   | 157.26                    | 5.651              |          |
| 18,500.0                                                  | 9,472.4               | 18,463.1              | 9,481.4               | 79.8             | 79.3          | -90.58                | -9,520.2                            | 797.8        | 888.8                  | 729.8                   | 158.97                    | 5.591              |          |
| 18,600.0                                                  | 9,472.2               | 18,563.1              | 9,481.2               | 80.6             | 80.1          | -90.58                | -9,620.2                            | 797.8        | 888.8                  | 728.1                   | 160.68                    | 5.531              |          |
| 18,700.0                                                  | 9,472.1               | 18,663.1              | 9,480.9               | 81.5             | 81.0          | -90.57                | -9,720.2                            | 797.8        | 888.8                  | 726.4                   | 162.39                    | 5.473              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design                                             |                       |                       |                       |                  |               |                      |                                     |              |                        |                         |                           | Offset Site Error: | 3.0 usft |
|-----------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 9090-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                      |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                 |                       | Offset                |                       | Semi Major Axis  |               |                      | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                     | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Tooface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,800.0                                                  | 9,472.0               | 18,763.1              | 9,480.6               | 82.3             | 81.8          | -90.56               | -9,820.2                            | 797.8        | 888.8                  | 724.7                   | 164.10                    | 5.416              |          |
| 18,900.0                                                  | 9,471.8               | 18,863.1              | 9,480.4               | 83.2             | 82.7          | -90.55               | -9,920.2                            | 797.8        | 888.8                  | 723.0                   | 165.81                    | 5.360              |          |
| 19,000.0                                                  | 9,471.7               | 18,963.1              | 9,480.1               | 84.1             | 83.5          | -90.54               | -10,020.2                           | 797.9        | 888.8                  | 721.3                   | 167.52                    | 5.306              |          |
| 19,100.0                                                  | 9,471.6               | 19,063.1              | 9,479.9               | 84.9             | 84.4          | -90.53               | -10,120.2                           | 797.9        | 888.8                  | 719.6                   | 169.23                    | 5.252              |          |
| 19,200.0                                                  | 9,471.5               | 19,163.1              | 9,479.6               | 85.8             | 85.2          | -90.53               | -10,220.2                           | 797.9        | 888.8                  | 717.9                   | 170.94                    | 5.200              |          |
| 19,300.0                                                  | 9,471.3               | 19,263.1              | 9,479.4               | 86.6             | 86.1          | -90.52               | -10,320.2                           | 797.9        | 888.9                  | 716.2                   | 172.65                    | 5.148              |          |
| 19,400.0                                                  | 9,471.2               | 19,363.1              | 9,479.1               | 87.5             | 86.9          | -90.51               | -10,420.2                           | 797.9        | 888.9                  | 714.5                   | 174.36                    | 5.098              |          |
| 19,500.0                                                  | 9,471.1               | 19,463.1              | 9,478.9               | 88.3             | 87.8          | -90.50               | -10,520.2                           | 797.9        | 888.9                  | 712.8                   | 176.07                    | 5.048              |          |
| 19,600.0                                                  | 9,470.9               | 19,563.1              | 9,478.6               | 89.2             | 88.6          | -90.49               | -10,620.2                           | 797.9        | 888.9                  | 711.1                   | 177.79                    | 5.000              |          |
| 19,700.0                                                  | 9,470.8               | 19,663.1              | 9,478.3               | 90.1             | 89.5          | -90.48               | -10,720.2                           | 797.9        | 888.9                  | 709.4                   | 179.50                    | 4.952              |          |
| 19,800.0                                                  | 9,470.7               | 19,763.1              | 9,478.1               | 90.9             | 90.4          | -90.48               | -10,820.2                           | 797.9        | 888.9                  | 707.7                   | 181.21                    | 4.905              |          |
| 19,900.0                                                  | 9,470.6               | 19,863.1              | 9,477.8               | 91.8             | 91.2          | -90.47               | -10,920.2                           | 797.9        | 888.9                  | 706.0                   | 182.92                    | 4.860              |          |
| 20,000.0                                                  | 9,470.4               | 19,963.1              | 9,477.6               | 92.6             | 92.1          | -90.46               | -11,020.2                           | 797.9        | 888.9                  | 704.3                   | 184.63                    | 4.815              |          |
| 20,100.0                                                  | 9,470.3               | 20,063.1              | 9,477.3               | 93.5             | 92.9          | -90.45               | -11,120.2                           | 797.9        | 889.0                  | 702.6                   | 186.35                    | 4.770              |          |
| 20,181.0                                                  | 9,470.2               | 20,144.1              | 9,477.1               | 94.2             | 93.6          | -90.45               | -11,201.2                           | 797.9        | 889.0                  | 701.2                   | 187.73                    | 4.735              |          |
| 20,194.7                                                  | 9,470.2               | 20,155.2              | 9,477.1               | 94.3             | 93.7          | -90.44               | -11,212.3                           | 798.0        | 889.0                  | 701.0                   | 187.95                    | 4.730              |          |
| 20,200.0                                                  | 9,470.2               | 20,159.7              | 9,477.1               | 94.3             | 93.7          | -90.44               | -11,216.7                           | 798.0        | 888.9                  | 700.9                   | 188.04                    | 4.727              |          |
| 20,300.0                                                  | 9,470.1               | 20,259.2              | 9,476.8               | 95.2             | 94.6          | -90.44               | -11,316.2                           | 798.4        | 888.9                  | 699.2                   | 189.75                    | 4.685              |          |
| 20,400.0                                                  | 9,469.9               | 20,359.2              | 9,476.6               | 96.1             | 95.4          | -90.43               | -11,416.2                           | 798.9        | 888.9                  | 697.4                   | 191.46                    | 4.643              |          |
| 20,500.0                                                  | 9,469.8               | 20,459.2              | 9,476.3               | 96.9             | 96.3          | -90.42               | -11,516.2                           | 799.3        | 888.9                  | 695.7                   | 193.18                    | 4.601              |          |
| 20,600.0                                                  | 9,469.7               | 20,559.2              | 9,476.0               | 97.8             | 97.2          | -90.41               | -11,616.2                           | 799.8        | 888.9                  | 694.0                   | 194.89                    | 4.561              |          |
| 20,700.0                                                  | 9,469.6               | 20,659.2              | 9,475.8               | 98.6             | 98.0          | -90.40               | -11,716.2                           | 800.2        | 888.9                  | 692.2                   | 196.61                    | 4.521              |          |
| 20,800.0                                                  | 9,469.4               | 20,759.2              | 9,475.5               | 99.5             | 98.9          | -90.39               | -11,816.2                           | 800.7        | 888.8                  | 690.5                   | 198.32                    | 4.482              |          |
| 20,900.0                                                  | 9,469.3               | 20,859.2              | 9,475.3               | 100.4            | 99.7          | -90.38               | -11,916.2                           | 801.1        | 888.8                  | 688.8                   | 200.03                    | 4.443              |          |
| 21,000.0                                                  | 9,469.2               | 20,959.2              | 9,475.0               | 101.2            | 100.6         | -90.37               | -12,016.2                           | 801.6        | 888.8                  | 687.1                   | 201.75                    | 4.405              |          |
| 21,100.0                                                  | 9,469.1               | 21,059.2              | 9,474.8               | 102.1            | 101.4         | -90.37               | -12,116.2                           | 802.1        | 888.8                  | 685.3                   | 203.46                    | 4.368              |          |
| 21,200.0                                                  | 9,469.0               | 21,159.2              | 9,474.5               | 102.9            | 102.3         | -90.36               | -12,216.2                           | 802.5        | 888.8                  | 683.6                   | 205.18                    | 4.332              |          |
| 21,300.0                                                  | 9,468.8               | 21,259.2              | 9,474.2               | 103.8            | 103.2         | -90.35               | -12,316.2                           | 803.0        | 888.7                  | 681.9                   | 206.89                    | 4.296              |          |
| 21,400.0                                                  | 9,468.7               | 21,359.2              | 9,474.0               | 104.6            | 104.0         | -90.34               | -12,416.2                           | 803.4        | 888.7                  | 680.1                   | 208.61                    | 4.260              |          |
| 21,500.0                                                  | 9,468.6               | 21,459.2              | 9,473.7               | 105.5            | 104.9         | -90.33               | -12,516.2                           | 803.9        | 888.7                  | 678.4                   | 210.32                    | 4.225              |          |
| 21,600.0                                                  | 9,468.5               | 21,559.2              | 9,473.5               | 106.4            | 105.7         | -90.32               | -12,616.2                           | 804.3        | 888.7                  | 676.7                   | 212.04                    | 4.191              |          |
| 21,700.0                                                  | 9,468.4               | 21,659.2              | 9,473.2               | 107.2            | 106.6         | -90.31               | -12,716.2                           | 804.8        | 888.7                  | 674.9                   | 213.75                    | 4.157              |          |
| 21,800.0                                                  | 9,468.2               | 21,759.2              | 9,473.0               | 108.1            | 107.4         | -90.30               | -12,816.2                           | 805.2        | 888.7                  | 673.2                   | 215.47                    | 4.124              |          |
| 21,900.0                                                  | 9,468.1               | 21,859.2              | 9,472.7               | 108.9            | 108.3         | -90.30               | -12,916.2                           | 805.7        | 888.6                  | 671.4                   | 217.18                    | 4.092              |          |
| 22,000.0                                                  | 9,468.0               | 21,959.2              | 9,472.4               | 109.8            | 109.1         | -90.29               | -13,016.2                           | 806.1        | 888.6                  | 669.7                   | 218.90                    | 4.059              |          |
| 22,100.0                                                  | 9,467.9               | 22,059.2              | 9,472.2               | 110.7            | 110.0         | -90.28               | -13,116.2                           | 806.6        | 888.6                  | 668.0                   | 220.61                    | 4.028              |          |
| 22,200.0                                                  | 9,467.7               | 22,159.2              | 9,471.9               | 111.5            | 110.9         | -90.27               | -13,216.2                           | 807.0        | 888.6                  | 666.2                   | 222.33                    | 3.997              |          |
| 22,300.0                                                  | 9,467.6               | 22,259.2              | 9,471.7               | 112.4            | 111.7         | -90.26               | -13,316.2                           | 807.5        | 888.6                  | 664.5                   | 224.05                    | 3.966              |          |
| 22,400.0                                                  | 9,467.5               | 22,359.2              | 9,471.4               | 113.2            | 112.6         | -90.25               | -13,416.2                           | 807.9        | 888.5                  | 662.8                   | 225.76                    | 3.936              |          |
| 22,500.0                                                  | 9,467.4               | 22,459.2              | 9,471.2               | 114.1            | 113.4         | -90.24               | -13,516.2                           | 808.4        | 888.5                  | 661.0                   | 227.48                    | 3.906              |          |
| 22,600.0                                                  | 9,467.3               | 22,559.2              | 9,470.9               | 114.9            | 114.3         | -90.24               | -13,616.2                           | 808.9        | 888.5                  | 659.3                   | 229.19                    | 3.877              |          |
| 22,700.0                                                  | 9,467.1               | 22,659.2              | 9,470.7               | 115.8            | 115.1         | -90.23               | -13,716.2                           | 809.3        | 888.5                  | 657.6                   | 230.91                    | 3.848              |          |
| 22,800.0                                                  | 9,467.0               | 22,759.2              | 9,470.4               | 116.7            | 116.0         | -90.22               | -13,816.2                           | 809.8        | 888.5                  | 655.8                   | 232.63                    | 3.819              |          |
| 22,900.0                                                  | 9,466.9               | 22,859.2              | 9,470.1               | 117.5            | 116.9         | -90.21               | -13,916.2                           | 810.2        | 888.5                  | 654.1                   | 234.34                    | 3.791              |          |
| 23,000.0                                                  | 9,466.8               | 22,959.2              | 9,469.9               | 118.4            | 117.7         | -90.20               | -14,016.2                           | 810.7        | 888.4                  | 652.4                   | 236.06                    | 3.764              |          |
| 23,100.0                                                  | 9,466.7               | 23,059.2              | 9,469.6               | 119.2            | 118.6         | -90.19               | -14,116.2                           | 811.1        | 888.4                  | 650.6                   | 237.77                    | 3.736              |          |
| 23,200.0                                                  | 9,466.5               | 23,159.2              | 9,469.4               | 120.1            | 119.4         | -90.18               | -14,216.2                           | 811.6        | 888.4                  | 648.9                   | 239.49                    | 3.710              |          |
| 23,300.0                                                  | 9,466.4               | 23,259.2              | 9,469.1               | 121.0            | 120.3         | -90.17               | -14,316.2                           | 812.0        | 888.4                  | 647.2                   | 241.21                    | 3.683              |          |
| 23,400.0                                                  | 9,466.3               | 23,359.2              | 9,468.9               | 121.8            | 121.1         | -90.17               | -14,416.2                           | 812.5        | 888.4                  | 645.4                   | 242.92                    | 3.657              |          |
| 23,500.0                                                  | 9,466.2               | 23,459.2              | 9,468.6               | 122.7            | 122.0         | -90.16               | -14,516.2                           | 812.9        | 888.3                  | 643.7                   | 244.64                    | 3.631              |          |
| 23,600.0                                                  | 9,466.0               | 23,559.2              | 9,468.3               | 123.5            | 122.9         | -90.15               | -14,616.2                           | 813.4        | 888.3                  | 642.0                   | 246.36                    | 3.606              |          |
| 23,700.0                                                  | 9,465.9               | 23,659.2              | 9,468.1               | 124.4            | 123.7         | -90.14               | -14,716.2                           | 813.8        | 888.3                  | 640.2                   | 248.07                    | 3.581              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| <b>Offset Design</b> KRAKEN ST COM PROJECT - KRAKEN ST COM #701H - OWB - PWP1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 3.0 usft |
|-------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| <b>Survey Program:</b> 0-Standard Keeper 104, 9090-MWD+IFR1+FDIR              |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Well Error:</b> | 3.0 usft |
| Reference                                                                     | Offset                | Semi Major Axis       |                       | Distance         |               |                       |                                     |              |                        |                         |                           |                           |          |
| Measured Depth (usft)                                                         | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         | Warning  |
| 23,800.0                                                                      | 9,465.8               | 23,759.2              | 9,467.8               | 125.3            | 124.6         | -90.13                | -14,816.2                           | 814.3        | 888.3                  | 638.5                   | 249.79                    | 3.556                     |          |
| 23,900.0                                                                      | 9,465.7               | 23,859.2              | 9,467.6               | 126.1            | 125.4         | -90.12                | -14,916.2                           | 814.7        | 888.3                  | 636.8                   | 251.51                    | 3.532                     |          |
| 24,000.0                                                                      | 9,465.6               | 23,959.2              | 9,467.3               | 127.0            | 126.3         | -90.11                | -15,016.2                           | 815.2        | 888.3                  | 635.0                   | 253.22                    | 3.508                     |          |
| 24,100.0                                                                      | 9,465.4               | 24,059.2              | 9,467.1               | 127.8            | 127.1         | -90.10                | -15,116.2                           | 815.7        | 888.2                  | 633.3                   | 254.94                    | 3.484                     |          |
| 24,200.0                                                                      | 9,465.3               | 24,159.2              | 9,466.8               | 128.7            | 128.0         | -90.10                | -15,216.2                           | 816.1        | 888.2                  | 631.6                   | 256.66                    | 3.461                     |          |
| 24,300.0                                                                      | 9,465.2               | 24,259.2              | 9,466.5               | 129.5            | 128.9         | -90.09                | -15,316.2                           | 816.6        | 888.2                  | 629.8                   | 258.38                    | 3.438                     |          |
| 24,400.0                                                                      | 9,465.1               | 24,359.2              | 9,466.3               | 130.4            | 129.7         | -90.08                | -15,416.2                           | 817.0        | 888.2                  | 628.1                   | 260.09                    | 3.415                     |          |
| 24,500.0                                                                      | 9,465.0               | 24,459.2              | 9,466.0               | 131.3            | 130.6         | -90.07                | -15,516.2                           | 817.5        | 888.2                  | 626.4                   | 261.81                    | 3.392                     |          |
| 24,600.0                                                                      | 9,464.8               | 24,559.2              | 9,465.8               | 132.1            | 131.4         | -90.06                | -15,616.2                           | 817.9        | 888.1                  | 624.6                   | 263.53                    | 3.370                     |          |
| 24,700.0                                                                      | 9,464.7               | 24,659.2              | 9,465.5               | 133.0            | 132.3         | -90.05                | -15,716.2                           | 818.4        | 888.1                  | 622.9                   | 265.24                    | 3.348                     |          |
| 24,800.0                                                                      | 9,464.6               | 24,759.2              | 9,465.3               | 133.8            | 133.2         | -90.04                | -15,816.2                           | 818.8        | 888.1                  | 621.1                   | 266.96                    | 3.327                     |          |
| 24,900.0                                                                      | 9,464.5               | 24,859.2              | 9,465.0               | 134.7            | 134.0         | -90.03                | -15,916.2                           | 819.3        | 888.1                  | 619.4                   | 268.68                    | 3.305                     |          |
| 25,000.0                                                                      | 9,464.3               | 24,959.2              | 9,464.8               | 135.6            | 134.9         | -90.03                | -16,016.2                           | 819.7        | 888.1                  | 617.7                   | 270.40                    | 3.284                     |          |
| 25,100.0                                                                      | 9,464.2               | 25,059.2              | 9,464.5               | 136.4            | 135.7         | -90.02                | -16,116.2                           | 820.2        | 888.1                  | 615.9                   | 272.11                    | 3.264                     |          |
| 25,200.0                                                                      | 9,464.1               | 25,159.2              | 9,464.2               | 137.3            | 136.6         | -90.01                | -16,216.1                           | 820.6        | 888.0                  | 614.2                   | 273.83                    | 3.243                     |          |
| 25,286.0                                                                      | 9,464.0               | 25,245.2              | 9,464.0               | 138.0            | 137.3         | -90.00                | -16,302.2                           | 821.0        | 888.0                  | 612.7                   | 275.31                    | 3.226 SF                  |          |

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design KRAKEN ST COM PROJECT - KRAKEN ST COM #703H - OWB - PWP1 |                       |                       |                       |                  |               |                      |                                     |              |                        |                         |                           | Offset Site Error: | 3.0 usft |
|------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD+IFR1+FDIR                                        |                       |                       |                       |                  |               |                      |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                              | Offset                | Semi Major Axis       |                       | Distance         |               |                      |                                     |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                                  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Tooface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 0.0                                                                    | 0.0                   | 0.0                   | 0.0                   | 3.0              | 3.0           | -90.00               | 0.0                                 | -30.0        | 30.0                   |                         |                           |                    |          |
| 100.0                                                                  | 100.0                 | 100.0                 | 100.0                 | 3.0              | 3.0           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 24.0                    | 6.00                      | 4.994              |          |
| 200.0                                                                  | 200.0                 | 200.0                 | 200.0                 | 3.0              | 3.0           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 23.9                    | 6.04                      | 4.962              |          |
| 300.0                                                                  | 300.0                 | 300.0                 | 300.0                 | 3.0              | 3.1           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 23.9                    | 6.12                      | 4.896              |          |
| 400.0                                                                  | 400.0                 | 400.0                 | 400.0                 | 3.0              | 3.2           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 23.7                    | 6.24                      | 4.801              |          |
| 500.0                                                                  | 500.0                 | 500.0                 | 500.0                 | 3.1              | 3.4           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 23.6                    | 6.40                      | 4.684              |          |
| 600.0                                                                  | 600.0                 | 600.0                 | 600.0                 | 3.1              | 3.6           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 23.4                    | 6.59                      | 4.550              |          |
| 700.0                                                                  | 700.0                 | 700.0                 | 700.0                 | 3.1              | 3.8           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 23.2                    | 6.80                      | 4.406              |          |
| 800.0                                                                  | 800.0                 | 800.0                 | 800.0                 | 3.2              | 4.0           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 22.9                    | 7.04                      | 4.257              |          |
| 900.0                                                                  | 900.0                 | 900.0                 | 900.0                 | 3.2              | 4.2           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 22.7                    | 7.30                      | 4.106              |          |
| 1,000.0                                                                | 1,000.0               | 1,000.0               | 1,000.0               | 3.2              | 4.5           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 22.4                    | 7.58                      | 3.958              |          |
| 1,100.0                                                                | 1,100.0               | 1,100.0               | 1,100.0               | 3.3              | 4.8           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 22.1                    | 7.86                      | 3.812              |          |
| 1,200.0                                                                | 1,200.0               | 1,200.0               | 1,200.0               | 3.4              | 5.1           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 21.8                    | 8.17                      | 3.671              |          |
| 1,300.0                                                                | 1,300.0               | 1,300.0               | 1,300.0               | 3.4              | 5.4           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 21.5                    | 8.48                      | 3.537              |          |
| 1,400.0                                                                | 1,400.0               | 1,400.0               | 1,400.0               | 3.5              | 5.7           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 21.2                    | 8.80                      | 3.408              |          |
| 1,500.0                                                                | 1,500.0               | 1,500.0               | 1,500.0               | 3.5              | 6.0           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 20.9                    | 9.13                      | 3.285              |          |
| 1,600.0                                                                | 1,600.0               | 1,600.0               | 1,600.0               | 3.6              | 6.3           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 20.5                    | 9.46                      | 3.169              |          |
| 1,700.0                                                                | 1,700.0               | 1,700.0               | 1,700.0               | 3.7              | 6.6           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 20.2                    | 9.80                      | 3.058              |          |
| 1,800.0                                                                | 1,800.0               | 1,800.0               | 1,800.0               | 3.8              | 6.9           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 19.8                    | 10.15                     | 2.954              |          |
| 1,900.0                                                                | 1,900.0               | 1,900.0               | 1,900.0               | 3.9              | 7.2           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 19.5                    | 10.50                     | 2.855              |          |
| 2,000.0                                                                | 2,000.0               | 2,000.0               | 2,000.0               | 3.9              | 7.6           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 19.1                    | 10.86                     | 2.761              |          |
| 2,100.0                                                                | 2,100.0               | 2,100.0               | 2,100.0               | 4.0              | 7.9           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 18.8                    | 11.22                     | 2.673              |          |
| 2,200.0                                                                | 2,200.0               | 2,200.0               | 2,200.0               | 4.1              | 8.2           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 18.4                    | 11.58                     | 2.589              |          |
| 2,300.0                                                                | 2,300.0               | 2,300.0               | 2,300.0               | 4.2              | 8.6           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 18.0                    | 11.95                     | 2.510              |          |
| 2,400.0                                                                | 2,400.0               | 2,400.0               | 2,400.0               | 4.3              | 8.9           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 17.7                    | 12.32                     | 2.434              |          |
| 2,500.0                                                                | 2,500.0               | 2,500.0               | 2,500.0               | 4.4              | 9.2           | -90.00               | 0.0                                 | -30.0        | 30.0                   | 17.3                    | 12.69                     | 2.363 CC, ES, SF   |          |
| 2,600.0                                                                | 2,600.0               | 2,598.9               | 2,598.9               | 4.5              | 9.6           | -90.54               | -0.3                                | -31.7        | 31.7                   | 18.6                    | 13.04                     | 2.429              |          |
| 2,700.0                                                                | 2,700.0               | 2,697.6               | 2,697.5               | 4.6              | 9.9           | -91.85               | -1.2                                | -36.7        | 36.8                   | 23.4                    | 13.38                     | 2.750              |          |
| 2,800.0                                                                | 2,800.0               | 2,796.2               | 2,795.7               | 4.7              | 10.2          | -93.36               | -2.6                                | -45.0        | 45.3                   | 31.5                    | 13.72                     | 3.298              |          |
| 2,900.0                                                                | 2,900.0               | 2,895.8               | 2,894.8               | 4.8              | 10.5          | -94.52               | -4.3                                | -54.4        | 54.8                   | 40.7                    | 14.09                     | 3.889              |          |
| 3,000.0                                                                | 3,000.0               | 2,995.3               | 2,993.9               | 4.9              | 10.9          | -95.34               | -6.0                                | -63.8        | 64.3                   | 49.9                    | 14.46                     | 4.449              |          |
| 3,100.0                                                                | 3,100.0               | 3,094.8               | 3,092.9               | 5.0              | 11.2          | -95.94               | -7.6                                | -73.2        | 73.9                   | 59.1                    | 14.83                     | 4.981              |          |
| 3,200.0                                                                | 3,200.0               | 3,194.4               | 3,192.0               | 5.1              | 11.5          | -96.41               | -9.3                                | -82.6        | 83.5                   | 68.2                    | 15.21                     | 5.487              |          |
| 3,300.0                                                                | 3,300.0               | 3,293.9               | 3,291.1               | 5.2              | 11.9          | -96.78               | -10.9                               | -91.9        | 93.0                   | 77.4                    | 15.59                     | 5.967              |          |
| 3,400.0                                                                | 3,400.0               | 3,393.4               | 3,390.2               | 5.3              | 12.2          | -97.08               | -12.6                               | -101.3       | 102.6                  | 86.6                    | 15.97                     | 6.424              |          |
| 3,500.0                                                                | 3,500.0               | 3,493.0               | 3,489.3               | 5.4              | 12.5          | -97.33               | -14.2                               | -110.7       | 112.2                  | 95.8                    | 16.35                     | 6.858              |          |
| 3,600.0                                                                | 3,600.0               | 3,592.5               | 3,588.3               | 5.5              | 12.9          | -97.54               | -15.9                               | -120.1       | 121.7                  | 105.0                   | 16.74                     | 7.272              |          |
| 3,700.0                                                                | 3,700.0               | 3,692.1               | 3,687.4               | 5.7              | 13.2          | -97.72               | -17.6                               | -129.5       | 131.3                  | 114.2                   | 17.13                     | 7.666              |          |
| 3,800.0                                                                | 3,800.0               | 3,791.6               | 3,786.5               | 5.8              | 13.6          | -97.87               | -19.2                               | -138.9       | 140.9                  | 123.4                   | 17.52                     | 8.042              |          |
| 3,900.0                                                                | 3,900.0               | 3,891.1               | 3,885.6               | 5.9              | 13.9          | -98.01               | -20.9                               | -148.3       | 150.5                  | 132.6                   | 17.91                     | 8.401              |          |
| 4,000.0                                                                | 4,000.0               | 3,990.7               | 3,984.7               | 6.0              | 14.2          | -98.13               | -22.5                               | -157.7       | 160.1                  | 141.7                   | 18.31                     | 8.743              |          |
| 4,100.0                                                                | 4,100.0               | 4,090.2               | 4,083.7               | 6.1              | 14.6          | -98.23               | -24.2                               | -167.1       | 169.6                  | 150.9                   | 18.70                     | 9.071              |          |
| 4,200.0                                                                | 4,200.0               | 4,189.8               | 4,182.8               | 6.2              | 14.9          | -98.33               | -25.8                               | -176.5       | 179.2                  | 160.1                   | 19.10                     | 9.384              |          |
| 4,300.0                                                                | 4,300.0               | 4,289.3               | 4,281.9               | 6.3              | 15.3          | -98.41               | -27.5                               | -185.9       | 188.8                  | 169.3                   | 19.50                     | 9.683              |          |
| 4,400.0                                                                | 4,400.0               | 4,388.8               | 4,381.0               | 6.5              | 15.6          | -98.49               | -29.2                               | -195.3       | 198.4                  | 178.5                   | 19.90                     | 9.970              |          |
| 4,500.0                                                                | 4,500.0               | 4,488.4               | 4,480.1               | 6.6              | 16.0          | -98.56               | -30.8                               | -204.7       | 208.0                  | 187.7                   | 20.30                     | 10.245             |          |
| 4,600.0                                                                | 4,600.0               | 4,587.9               | 4,579.2               | 6.7              | 16.3          | -98.62               | -32.5                               | -214.1       | 217.5                  | 196.8                   | 20.70                     | 10.509             |          |
| 4,700.0                                                                | 4,700.0               | 4,687.5               | 4,678.2               | 6.8              | 16.7          | -98.68               | -34.1                               | -223.5       | 227.1                  | 206.0                   | 21.10                     | 10.762             |          |
| 4,800.0                                                                | 4,800.0               | 4,787.0               | 4,777.3               | 6.9              | 17.0          | -98.73               | -35.8                               | -232.9       | 236.7                  | 215.2                   | 21.51                     | 11.005             |          |
| 4,900.0                                                                | 4,900.0               | 4,886.5               | 4,876.4               | 7.0              | 17.4          | -98.78               | -37.4                               | -242.3       | 246.3                  | 224.4                   | 21.92                     | 11.238             |          |
| 5,000.0                                                                | 5,000.0               | 4,986.1               | 4,975.5               | 7.2              | 17.7          | -98.83               | -39.1                               | -251.7       | 255.9                  | 233.5                   | 22.32                     | 11.462             |          |
| 5,100.0                                                                | 5,100.0               | 5,085.6               | 5,074.6               | 7.3              | 18.1          | -98.87               | -40.7                               | -261.1       | 265.4                  | 242.7                   | 22.73                     | 11.678             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design                   |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 3.0 usft |
|---------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                       |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 5,200.0                         | 5,200.0               | 5,185.2               | 5,173.6               | 7.4              | 18.4          | -98.91                | -42.4                               | -270.5       | 275.0                  | 251.9                   | 23.14                     | 11.886             |          |
| 5,300.0                         | 5,300.0               | 5,284.7               | 5,272.7               | 7.5              | 18.8          | -98.95                | -44.1                               | -279.9       | 284.6                  | 261.1                   | 23.55                     | 12.086             |          |
| 5,400.0                         | 5,400.0               | 5,384.2               | 5,371.8               | 7.6              | 19.1          | -98.98                | -45.7                               | -289.3       | 294.2                  | 270.2                   | 23.96                     | 12.278             |          |
| 5,500.0                         | 5,500.0               | 5,483.8               | 5,470.9               | 7.8              | 19.5          | -99.01                | -47.4                               | -298.6       | 303.8                  | 279.4                   | 24.37                     | 12.464             |          |
| 5,600.0                         | 5,600.0               | 5,583.4               | 5,570.0               | 7.8              | 19.9          | 63.92                 | -49.0                               | -308.1       | 312.6                  | 287.8                   | 24.77                     | 12.618             |          |
| 5,700.0                         | 5,699.8               | 5,683.0               | 5,669.2               | 7.8              | 20.2          | 64.59                 | -50.7                               | -317.5       | 319.9                  | 294.8                   | 25.16                     | 12.715             |          |
| 5,783.6                         | 5,783.1               | 5,766.2               | 5,752.0               | 7.7              | 20.5          | 65.57                 | -52.1                               | -325.3       | 325.0                  | 299.5                   | 25.48                     | 12.752             |          |
| 5,800.0                         | 5,799.5               | 5,782.5               | 5,768.3               | 7.7              | 20.6          | 65.82                 | -52.3                               | -326.8       | 325.9                  | 300.3                   | 25.55                     | 12.756             |          |
| 5,900.0                         | 5,899.0               | 5,882.0               | 5,867.3               | 7.7              | 20.9          | 67.28                 | -54.0                               | -336.2       | 331.6                  | 305.6                   | 25.94                     | 12.781             |          |
| 6,000.0                         | 5,998.5               | 5,981.5               | 5,966.3               | 7.6              | 21.3          | 68.70                 | -55.7                               | -345.6       | 337.4                  | 311.1                   | 26.34                     | 12.808             |          |
| 6,100.0                         | 6,098.0               | 6,081.0               | 6,065.4               | 7.6              | 21.6          | 70.06                 | -57.3                               | -355.0       | 343.5                  | 316.7                   | 26.75                     | 12.839             |          |
| 6,200.0                         | 6,197.5               | 6,180.5               | 6,164.4               | 7.6              | 22.0          | 71.38                 | -59.0                               | -364.4       | 349.8                  | 322.6                   | 27.17                     | 12.872             |          |
| 6,300.0                         | 6,297.0               | 6,280.0               | 6,263.4               | 7.5              | 22.3          | 72.65                 | -60.6                               | -373.8       | 356.2                  | 328.6                   | 27.59                     | 12.908             |          |
| 6,400.0                         | 6,396.5               | 6,379.5               | 6,362.4               | 7.5              | 22.7          | 73.87                 | -62.3                               | -383.2       | 362.8                  | 334.8                   | 28.02                     | 12.947             |          |
| 6,500.0                         | 6,496.0               | 6,478.9               | 6,461.5               | 7.5              | 23.1          | 75.05                 | -63.9                               | -392.6       | 369.6                  | 341.1                   | 28.45                     | 12.988             |          |
| 6,600.0                         | 6,595.5               | 6,578.4               | 6,560.5               | 7.5              | 23.4          | 76.19                 | -65.6                               | -402.0       | 376.5                  | 347.6                   | 28.89                     | 13.032             |          |
| 6,700.0                         | 6,695.1               | 6,677.9               | 6,659.5               | 7.4              | 23.8          | 77.29                 | -67.2                               | -411.4       | 383.5                  | 354.2                   | 29.33                     | 13.079             |          |
| 6,800.0                         | 6,794.6               | 6,777.4               | 6,758.5               | 7.4              | 24.1          | 78.34                 | -68.9                               | -420.8       | 390.7                  | 361.0                   | 29.77                     | 13.127             |          |
| 6,900.0                         | 6,894.1               | 6,876.9               | 6,857.6               | 7.4              | 24.5          | 79.36                 | -70.6                               | -430.1       | 398.1                  | 367.9                   | 30.21                     | 13.178             |          |
| 7,000.0                         | 6,993.6               | 6,976.4               | 6,956.6               | 7.4              | 24.8          | 80.34                 | -72.2                               | -439.5       | 405.5                  | 374.9                   | 30.65                     | 13.231             |          |
| 7,100.0                         | 7,093.1               | 7,075.8               | 7,055.6               | 7.4              | 25.2          | 81.29                 | -73.9                               | -448.9       | 413.1                  | 382.0                   | 31.09                     | 13.285             |          |
| 7,200.0                         | 7,192.6               | 7,175.3               | 7,154.7               | 7.4              | 25.6          | 82.20                 | -75.5                               | -458.3       | 420.7                  | 389.2                   | 31.54                     | 13.341             |          |
| 7,300.0                         | 7,292.1               | 7,274.8               | 7,253.7               | 7.4              | 25.9          | 83.08                 | -77.2                               | -467.7       | 428.5                  | 396.5                   | 31.98                     | 13.399             |          |
| 7,400.0                         | 7,391.6               | 7,374.3               | 7,352.7               | 7.4              | 26.3          | 83.93                 | -78.8                               | -477.1       | 436.4                  | 403.9                   | 32.43                     | 13.457             |          |
| 7,500.0                         | 7,491.1               | 7,473.8               | 7,451.7               | 7.4              | 26.6          | 84.75                 | -80.5                               | -486.5       | 444.3                  | 411.5                   | 32.87                     | 13.517             |          |
| 7,600.0                         | 7,590.6               | 7,573.3               | 7,550.8               | 7.4              | 27.0          | 85.54                 | -82.1                               | -495.9       | 452.4                  | 419.1                   | 33.32                     | 13.578             |          |
| 7,700.0                         | 7,690.2               | 7,672.8               | 7,649.8               | 7.4              | 27.4          | 86.30                 | -83.8                               | -505.3       | 460.5                  | 426.8                   | 33.76                     | 13.639             |          |
| 7,800.0                         | 7,789.7               | 7,772.2               | 7,748.8               | 7.4              | 27.7          | 87.03                 | -85.5                               | -514.7       | 468.7                  | 434.5                   | 34.21                     | 13.701             |          |
| 7,900.0                         | 7,889.2               | 7,871.7               | 7,847.8               | 7.4              | 28.1          | 87.74                 | -87.1                               | -524.0       | 477.0                  | 442.4                   | 34.66                     | 13.764             |          |
| 8,000.0                         | 7,988.7               | 7,971.2               | 7,946.9               | 7.4              | 28.4          | 88.43                 | -88.8                               | -533.4       | 485.4                  | 450.3                   | 35.10                     | 13.827             |          |
| 8,100.0                         | 8,088.2               | 8,070.7               | 8,045.9               | 7.4              | 28.8          | 89.09                 | -90.4                               | -542.8       | 493.8                  | 458.2                   | 35.55                     | 13.891             |          |
| 8,200.0                         | 8,187.7               | 8,170.2               | 8,144.9               | 7.4              | 29.2          | 89.73                 | -92.1                               | -552.2       | 502.3                  | 466.3                   | 35.99                     | 13.954             |          |
| 8,300.0                         | 8,287.2               | 8,269.7               | 8,243.9               | 7.4              | 29.5          | 90.35                 | -93.7                               | -561.6       | 510.8                  | 474.4                   | 36.44                     | 14.018             |          |
| 8,400.0                         | 8,386.7               | 8,369.1               | 8,343.0               | 7.5              | 29.9          | 90.95                 | -95.4                               | -571.0       | 519.4                  | 482.5                   | 36.89                     | 14.081             |          |
| 8,500.0                         | 8,486.2               | 8,468.6               | 8,442.0               | 7.5              | 30.2          | 91.53                 | -97.1                               | -580.4       | 528.1                  | 490.7                   | 37.33                     | 14.145             |          |
| 8,600.0                         | 8,585.7               | 8,568.1               | 8,541.0               | 7.5              | 30.6          | 92.09                 | -98.7                               | -589.8       | 536.8                  | 499.0                   | 37.78                     | 14.208             |          |
| 8,700.0                         | 8,685.3               | 8,667.6               | 8,640.1               | 7.5              | 31.0          | 92.63                 | -100.4                              | -599.2       | 545.5                  | 507.3                   | 38.23                     | 14.271             |          |
| 8,800.0                         | 8,784.8               | 8,767.1               | 8,739.1               | 7.6              | 31.3          | 93.15                 | -102.0                              | -608.6       | 554.3                  | 515.7                   | 38.67                     | 14.334             |          |
| 8,900.0                         | 8,884.3               | 8,866.6               | 8,838.1               | 7.6              | 31.7          | 93.66                 | -103.7                              | -617.9       | 563.2                  | 524.1                   | 39.12                     | 14.396             |          |
| 9,000.0                         | 8,983.8               | 8,966.1               | 8,937.1               | 7.7              | 32.0          | 94.15                 | -105.3                              | -627.3       | 572.1                  | 532.5                   | 39.57                     | 14.458             |          |
| 9,069.6                         | 9,053.0               | 9,035.2               | 9,006.0               | 7.8              | 32.3          | 94.49                 | -106.5                              | -633.9       | 578.3                  | 538.4                   | 39.87                     | 14.505             |          |
| 9,075.0                         | 9,058.4               | 9,040.7               | 9,011.4               | 7.8              | 32.3          | 95.55                 | -106.6                              | -634.4       | 578.8                  | 538.9                   | 39.89                     | 14.510             |          |
| 9,100.0                         | 9,083.2               | 9,065.6               | 9,036.1               | 7.8              | 32.4          | 98.48                 | -107.5                              | -637.0       | 581.3                  | 541.3                   | 39.98                     | 14.537             |          |
| 9,125.0                         | 9,107.7               | 9,090.5               | 9,060.8               | 7.8              | 32.5          | 99.87                 | -109.7                              | -640.0       | 584.1                  | 544.0                   | 40.08                     | 14.572             |          |
| 9,150.0                         | 9,132.0               | 9,115.5               | 9,085.3               | 7.8              | 32.6          | 100.59                | -113.1                              | -643.5       | 587.2                  | 547.0                   | 40.18                     | 14.614             |          |
| 9,175.0                         | 9,156.0               | 9,140.5               | 9,109.5               | 7.8              | 32.7          | 100.96                | -117.7                              | -647.5       | 590.7                  | 550.4                   | 40.28                     | 14.664             |          |
| 9,200.0                         | 9,179.5               | 9,165.5               | 9,133.5               | 7.8              | 32.8          | 101.10                | -123.4                              | -652.0       | 594.5                  | 554.1                   | 40.38                     | 14.721             |          |
| 9,225.0                         | 9,202.5               | 9,190.6               | 9,157.1               | 7.8              | 32.8          | 101.09                | -130.4                              | -656.9       | 598.5                  | 558.0                   | 40.49                     | 14.784             |          |
| 9,250.0                         | 9,225.0               | 9,215.7               | 9,180.2               | 7.9              | 32.9          | 100.96                | -138.5                              | -662.2       | 602.9                  | 562.3                   | 40.59                     | 14.854             |          |
| 9,275.0                         | 9,247.0               | 9,240.8               | 9,202.8               | 7.9              | 33.0          | 100.74                | -147.7                              | -668.0       | 607.5                  | 566.8                   | 40.69                     | 14.929             |          |
| 9,300.0                         | 9,268.2               | 9,265.9               | 9,224.9               | 7.9              | 33.1          | 100.44                | -158.1                              | -674.1       | 612.4                  | 571.6                   | 40.80                     | 15.010             |          |
| 9,325.0                         | 9,288.8               | 9,291.1               | 9,246.3               | 8.0              | 33.2          | 100.08                | -169.5                              | -680.7       | 617.6                  | 576.7                   | 40.91                     | 15.096             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design KRAKEN ST COM PROJECT - KRAKEN ST COM #703H - OWB - PWP1 |                       |                       |                       |                  |               |                      |                                     |              |                        |                         |                           |                   | Offset Site Error: | 3.0 usft |
|------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWD+IFR1+FDIR                                        |                       |                       |                       |                  |               |                      |                                     |              |                        |                         |                           |                   | Offset Well Error: | 3.0 usft |
| Reference                                                              | Offset                | Semi Major Axis       |                       | Distance         |               | Warning              |                                     |              |                        |                         |                           |                   |                    |          |
| Measured Depth (usft)                                                  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Tooface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 9,350.0                                                                | 9,308.5               | 9,316.2               | 9,267.0               | 8.0              | 33.3          | 99.66                | -182.1                              | -687.6       | 623.0                  | 581.9                   | 41.02                     | 15.187            |                    |          |
| 9,375.0                                                                | 9,327.5               | 9,341.4               | 9,286.9               | 8.1              | 33.4          | 99.19                | -195.6                              | -694.9       | 628.6                  | 587.4                   | 41.13                     | 15.282            |                    |          |
| 9,400.0                                                                | 9,345.5               | 9,366.6               | 9,306.0               | 8.1              | 33.4          | 98.68                | -210.2                              | -702.5       | 634.4                  | 593.1                   | 41.25                     | 15.380            |                    |          |
| 9,425.0                                                                | 9,362.7               | 9,391.9               | 9,324.3               | 8.1              | 33.5          | 98.13                | -225.7                              | -710.4       | 640.4                  | 599.0                   | 41.36                     | 15.482            |                    |          |
| 9,450.0                                                                | 9,378.8               | 9,417.1               | 9,341.7               | 8.2              | 33.6          | 97.55                | -242.1                              | -718.6       | 646.5                  | 605.1                   | 41.48                     | 15.586            |                    |          |
| 9,475.0                                                                | 9,394.0               | 9,442.4               | 9,358.0               | 8.2              | 33.7          | 96.93                | -259.4                              | -727.1       | 652.9                  | 611.3                   | 41.60                     | 15.693            |                    |          |
| 9,500.0                                                                | 9,408.0               | 9,467.7               | 9,373.4               | 8.3              | 33.8          | 96.29                | -277.6                              | -735.8       | 659.3                  | 617.6                   | 41.73                     | 15.801            |                    |          |
| 9,525.0                                                                | 9,421.0               | 9,493.1               | 9,387.7               | 8.3              | 33.8          | 95.62                | -296.5                              | -744.7       | 665.9                  | 624.1                   | 41.85                     | 15.911            |                    |          |
| 9,550.0                                                                | 9,432.8               | 9,518.5               | 9,400.9               | 8.4              | 33.9          | 94.93                | -316.2                              | -753.9       | 672.6                  | 630.6                   | 41.98                     | 16.022            |                    |          |
| 9,575.0                                                                | 9,443.5               | 9,544.0               | 9,412.9               | 8.4              | 34.0          | 94.23                | -336.6                              | -763.3       | 679.4                  | 637.3                   | 42.11                     | 16.133            |                    |          |
| 9,600.0                                                                | 9,453.0               | 9,569.5               | 9,423.8               | 8.5              | 34.0          | 93.51                | -357.6                              | -772.8       | 686.3                  | 644.0                   | 42.25                     | 16.244            |                    |          |
| 9,625.0                                                                | 9,461.2               | 9,595.1               | 9,433.4               | 8.5              | 34.1          | 92.78                | -379.3                              | -782.4       | 693.2                  | 650.8                   | 42.38                     | 16.355            |                    |          |
| 9,650.0                                                                | 9,468.2               | 9,620.8               | 9,441.8               | 8.6              | 34.2          | 92.03                | -401.5                              | -792.2       | 700.1                  | 657.6                   | 42.52                     | 16.465            |                    |          |
| 9,675.0                                                                | 9,474.0               | 9,646.6               | 9,448.9               | 8.6              | 34.2          | 91.29                | -424.2                              | -802.1       | 707.0                  | 664.4                   | 42.66                     | 16.574            |                    |          |
| 9,700.0                                                                | 9,478.4               | 9,672.4               | 9,454.7               | 8.7              | 34.3          | 90.54                | -447.4                              | -812.0       | 714.0                  | 671.2                   | 42.80                     | 16.682            |                    |          |
| 9,725.0                                                                | 9,481.6               | 9,698.3               | 9,459.1               | 8.7              | 34.4          | 89.79                | -470.9                              | -822.0       | 720.9                  | 677.9                   | 42.94                     | 16.789            |                    |          |
| 9,750.0                                                                | 9,483.5               | 9,724.4               | 9,462.1               | 8.8              | 34.4          | 89.04                | -494.8                              | -831.9       | 727.7                  | 684.7                   | 43.08                     | 16.894            |                    |          |
| 9,773.7                                                                | 9,484.0               | 9,749.1               | 9,463.7               | 8.8              | 34.5          | 88.33                | -517.6                              | -841.4       | 734.2                  | 691.0                   | 43.21                     | 16.991            |                    |          |
| 9,800.0                                                                | 9,484.0               | 9,778.7               | 9,464.0               | 8.9              | 34.5          | 88.37                | -545.0                              | -852.5       | 741.4                  | 698.0                   | 43.36                     | 17.098            |                    |          |
| 9,900.0                                                                | 9,483.9               | 9,909.5               | 9,463.7               | 9.3              | 34.8          | 88.42                | -667.4                              | -898.5       | 768.2                  | 724.2                   | 44.01                     | 17.454            |                    |          |
| 10,000.0                                                               | 9,483.7               | 10,042.3              | 9,463.3               | 9.8              | 35.1          | 88.46                | -793.7                              | -939.5       | 794.0                  | 749.3                   | 44.75                     | 17.743            |                    |          |
| 10,100.0                                                               | 9,483.6               | 10,177.2              | 9,462.9               | 10.4             | 35.4          | 88.49                | -923.8                              | -975.1       | 818.7                  | 773.1                   | 45.56                     | 17.971            |                    |          |
| 10,155.2                                                               | 9,483.5               | 10,252.5              | 9,462.7               | 10.7             | 35.6          | 88.51                | -997.1                              | -992.3       | 831.8                  | 785.8                   | 46.02                     | 18.073            |                    |          |
| 10,200.0                                                               | 9,483.5               | 10,314.1              | 9,462.6               | 11.0             | 35.7          | 88.53                | -1,057.4                            | -1,004.9     | 841.8                  | 795.4                   | 46.41                     | 18.138            |                    |          |
| 10,300.0                                                               | 9,483.3               | 10,453.9              | 9,462.2               | 11.6             | 36.1          | 88.56                | -1,195.1                            | -1,028.7     | 860.7                  | 813.4                   | 47.32                     | 18.187            |                    |          |
| 10,400.0                                                               | 9,483.2               | 10,595.9              | 9,461.8               | 12.3             | 36.5          | 88.58                | -1,336.0                            | -1,046.0     | 874.7                  | 826.5                   | 48.27                     | 18.120            |                    |          |
| 10,500.0                                                               | 9,483.0               | 10,739.6              | 9,461.4               | 13.0             | 37.0          | 88.59                | -1,479.3                            | -1,056.4     | 883.8                  | 834.6                   | 49.25                     | 17.946            |                    |          |
| 10,600.0                                                               | 9,482.9               | 10,884.2              | 9,461.1               | 13.7             | 37.4          | 88.59                | -1,623.9                            | -1,059.5     | 887.9                  | 837.7                   | 50.23                     | 17.676            |                    |          |
| 10,700.0                                                               | 9,482.8               | 10,997.9              | 9,460.8               | 14.4             | 37.8          | 88.58                | -1,737.7                            | -1,057.8     | 888.1                  | 836.9                   | 51.27                     | 17.324            |                    |          |
| 10,800.0                                                               | 9,482.6               | 11,097.9              | 9,460.5               | 15.1             | 38.1          | 88.57                | -1,837.6                            | -1,055.9     | 888.2                  | 835.8                   | 52.35                     | 16.966            |                    |          |
| 10,900.0                                                               | 9,482.5               | 11,197.9              | 9,460.2               | 15.9             | 38.5          | 88.57                | -1,937.6                            | -1,054.0     | 888.2                  | 834.7                   | 53.46                     | 16.613            |                    |          |
| 11,000.0                                                               | 9,482.3               | 11,297.9              | 9,460.0               | 16.7             | 38.8          | 88.56                | -2,037.6                            | -1,052.1     | 888.2                  | 833.6                   | 54.60                     | 16.266            |                    |          |
| 11,100.0                                                               | 9,482.2               | 11,397.9              | 9,459.7               | 17.4             | 39.2          | 88.55                | -2,137.6                            | -1,050.2     | 888.2                  | 832.4                   | 55.77                     | 15.927            |                    |          |
| 11,200.0                                                               | 9,482.1               | 11,497.9              | 9,459.5               | 18.2             | 39.6          | 88.54                | -2,237.6                            | -1,048.3     | 888.2                  | 831.2                   | 56.95                     | 15.595            |                    |          |
| 11,300.0                                                               | 9,481.9               | 11,597.9              | 9,459.2               | 19.0             | 40.0          | 88.53                | -2,337.5                            | -1,046.5     | 888.2                  | 830.0                   | 58.16                     | 15.271            |                    |          |
| 11,400.0                                                               | 9,481.8               | 11,697.9              | 9,458.9               | 19.8             | 40.4          | 88.53                | -2,437.5                            | -1,044.6     | 888.2                  | 828.8                   | 59.39                     | 14.955            |                    |          |
| 11,500.0                                                               | 9,481.7               | 11,797.9              | 9,458.7               | 20.6             | 40.9          | 88.52                | -2,537.5                            | -1,042.7     | 888.2                  | 827.6                   | 60.64                     | 14.647            |                    |          |
| 11,600.0                                                               | 9,481.5               | 11,897.9              | 9,458.4               | 21.4             | 41.3          | 88.51                | -2,637.5                            | -1,040.8     | 888.2                  | 826.3                   | 61.91                     | 14.347            |                    |          |
| 11,700.0                                                               | 9,481.4               | 11,997.9              | 9,458.2               | 22.2             | 41.8          | 88.50                | -2,737.5                            | -1,038.9     | 888.2                  | 825.0                   | 63.19                     | 14.056            |                    |          |
| 11,800.0                                                               | 9,481.2               | 12,097.9              | 9,457.9               | 23.0             | 42.3          | 88.49                | -2,837.5                            | -1,037.0     | 888.2                  | 823.7                   | 64.49                     | 13.773            |                    |          |
| 11,900.0                                                               | 9,481.1               | 12,197.9              | 9,457.6               | 23.8             | 42.7          | 88.49                | -2,937.4                            | -1,035.2     | 888.2                  | 822.4                   | 65.81                     | 13.498            |                    |          |
| 12,000.0                                                               | 9,481.0               | 12,297.9              | 9,457.4               | 24.6             | 43.2          | 88.48                | -3,037.4                            | -1,033.3     | 888.2                  | 821.1                   | 67.14                     | 13.230            |                    |          |
| 12,100.0                                                               | 9,480.8               | 12,397.9              | 9,457.1               | 25.5             | 43.7          | 88.47                | -3,137.4                            | -1,031.4     | 888.2                  | 819.8                   | 68.48                     | 12.971            |                    |          |
| 12,200.0                                                               | 9,480.7               | 12,497.9              | 9,456.9               | 26.3             | 44.3          | 88.46                | -3,237.4                            | -1,029.5     | 888.2                  | 818.4                   | 69.84                     | 12.719            |                    |          |
| 12,300.0                                                               | 9,480.6               | 12,597.9              | 9,456.6               | 27.1             | 44.8          | 88.45                | -3,337.4                            | -1,027.6     | 888.2                  | 817.0                   | 71.21                     | 12.474            |                    |          |
| 12,400.0                                                               | 9,480.4               | 12,697.9              | 9,456.3               | 27.9             | 45.3          | 88.45                | -3,437.3                            | -1,025.7     | 888.3                  | 815.7                   | 72.59                     | 12.236            |                    |          |
| 12,500.0                                                               | 9,480.3               | 12,797.9              | 9,456.1               | 28.8             | 45.9          | 88.44                | -3,537.3                            | -1,023.9     | 888.3                  | 814.3                   | 73.98                     | 12.006            |                    |          |
| 12,600.0                                                               | 9,480.1               | 12,897.9              | 9,455.8               | 29.6             | 46.5          | 88.43                | -3,637.3                            | -1,022.0     | 888.3                  | 812.9                   | 75.39                     | 11.782            |                    |          |
| 12,700.0                                                               | 9,480.0               | 12,997.9              | 9,455.5               | 30.4             | 47.0          | 88.42                | -3,737.3                            | -1,020.1     | 888.3                  | 811.5                   | 76.81                     | 11.565            |                    |          |
| 12,800.0                                                               | 9,479.9               | 13,097.9              | 9,455.3               | 31.3             | 47.6          | 88.41                | -3,837.3                            | -1,018.2     | 888.3                  | 810.0                   | 78.23                     | 11.355            |                    |          |
| 12,900.0                                                               | 9,479.7               | 13,197.9              | 9,455.0               | 32.1             | 48.2          | 88.41                | -3,937.3                            | -1,016.3     | 888.3                  | 808.6                   | 79.67                     | 11.150            |                    |          |
| 13,000.0                                                               | 9,479.6               | 13,297.9              | 9,454.8               | 33.0             | 48.8          | 88.40                | -4,037.2                            | -1,014.4     | 888.3                  | 807.2                   | 81.11                     | 10.952            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design KRAKEN ST COM PROJECT - KRAKEN ST COM #703H - OWB - PWP1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 3.0 usft |
|------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD+IFR1+FDIR                                        |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                              | Offset                | Semi Major Axis       |                       | Distance         |               |                       |                                     |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                                  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toelface (") | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 13,100.0                                                               | 9,479.5               | 13,397.9              | 9,454.5               | 33.8             | 49.4          | 88.39                 | -4,137.2                            | -1,012.6     | 888.3                  | 805.7                   | 82.56                     | 10.759             |          |
| 13,200.0                                                               | 9,479.3               | 13,497.9              | 9,454.2               | 34.6             | 50.0          | 88.38                 | -4,237.2                            | -1,010.7     | 888.3                  | 804.3                   | 84.03                     | 10.572             |          |
| 13,300.0                                                               | 9,479.2               | 13,597.9              | 9,454.0               | 35.5             | 50.6          | 88.37                 | -4,337.2                            | -1,008.8     | 888.3                  | 802.8                   | 85.50                     | 10.390             |          |
| 13,400.0                                                               | 9,479.0               | 13,697.9              | 9,453.7               | 36.3             | 51.2          | 88.37                 | -4,437.2                            | -1,006.9     | 888.3                  | 801.3                   | 86.98                     | 10.213             |          |
| 13,500.0                                                               | 9,478.9               | 13,797.9              | 9,453.5               | 37.2             | 51.9          | 88.36                 | -4,537.1                            | -1,005.0     | 888.3                  | 799.9                   | 88.46                     | 10.042             |          |
| 13,600.0                                                               | 9,478.8               | 13,897.9              | 9,453.2               | 38.0             | 52.5          | 88.35                 | -4,637.1                            | -1,003.1     | 888.3                  | 798.4                   | 89.95                     | 9.875              |          |
| 13,700.0                                                               | 9,478.6               | 13,997.9              | 9,452.9               | 38.9             | 53.2          | 88.34                 | -4,737.1                            | -1,001.3     | 888.3                  | 796.9                   | 91.45                     | 9.714              |          |
| 13,800.0                                                               | 9,478.5               | 14,097.9              | 9,452.7               | 39.7             | 53.8          | 88.33                 | -4,837.1                            | -999.4       | 888.3                  | 795.4                   | 92.96                     | 9.556              |          |
| 13,900.0                                                               | 9,478.4               | 14,197.9              | 9,452.4               | 40.5             | 54.5          | 88.33                 | -4,937.1                            | -997.5       | 888.4                  | 793.9                   | 94.47                     | 9.403              |          |
| 14,000.0                                                               | 9,478.2               | 14,297.9              | 9,452.2               | 41.4             | 55.1          | 88.32                 | -5,037.1                            | -995.6       | 888.4                  | 792.4                   | 95.99                     | 9.255              |          |
| 14,100.0                                                               | 9,478.1               | 14,397.9              | 9,451.9               | 42.2             | 55.8          | 88.31                 | -5,137.0                            | -993.7       | 888.4                  | 790.9                   | 97.51                     | 9.110              |          |
| 14,200.0                                                               | 9,477.9               | 14,497.9              | 9,451.6               | 43.1             | 56.5          | 88.30                 | -5,237.0                            | -991.8       | 888.4                  | 789.3                   | 99.04                     | 8.969              |          |
| 14,300.0                                                               | 9,477.8               | 14,597.9              | 9,451.4               | 43.9             | 57.1          | 88.29                 | -5,337.0                            | -990.0       | 888.4                  | 787.8                   | 100.58                    | 8.833              |          |
| 14,400.0                                                               | 9,477.7               | 14,697.9              | 9,451.1               | 44.8             | 57.8          | 88.29                 | -5,437.0                            | -988.1       | 888.4                  | 786.3                   | 102.12                    | 8.699              |          |
| 14,500.0                                                               | 9,477.5               | 14,797.9              | 9,450.8               | 45.6             | 58.5          | 88.28                 | -5,537.0                            | -986.2       | 888.4                  | 784.7                   | 103.67                    | 8.570              |          |
| 14,600.0                                                               | 9,477.4               | 14,897.9              | 9,450.6               | 46.5             | 59.2          | 88.27                 | -5,636.9                            | -984.3       | 888.4                  | 783.2                   | 105.22                    | 8.443              |          |
| 14,700.0                                                               | 9,477.2               | 14,997.9              | 9,450.3               | 47.3             | 59.9          | 88.26                 | -5,736.9                            | -982.4       | 888.4                  | 781.6                   | 106.77                    | 8.320              |          |
| 14,800.0                                                               | 9,477.1               | 15,097.9              | 9,450.1               | 48.2             | 60.6          | 88.26                 | -5,836.9                            | -980.5       | 888.4                  | 780.1                   | 108.33                    | 8.201              |          |
| 14,800.0                                                               | 9,477.1               | 15,098.0              | 9,450.1               | 48.2             | 60.6          | 88.26                 | -5,837.0                            | -980.5       | 888.4                  | 780.1                   | 108.33                    | 8.201              |          |
| 14,880.8                                                               | 9,477.0               | 15,174.3              | 9,449.9               | 48.9             | 61.1          | 88.25                 | -5,913.2                            | -979.1       | 888.5                  | 778.9                   | 109.60                    | 8.106              |          |
| 14,900.0                                                               | 9,477.0               | 15,188.9              | 9,449.8               | 49.0             | 61.2          | 88.25                 | -5,927.9                            | -979.0       | 888.6                  | 778.6                   | 109.90                    | 8.085              |          |
| 14,935.0                                                               | 9,476.9               | 15,215.7              | 9,449.8               | 49.3             | 61.4          | 88.25                 | -5,954.6                            | -978.9       | 888.6                  | 778.2                   | 110.45                    | 8.045              |          |
| 15,000.0                                                               | 9,476.8               | 15,265.4              | 9,449.6               | 49.9             | 61.8          | 88.24                 | -6,004.4                            | -979.3       | 889.2                  | 777.8                   | 111.45                    | 7.979              |          |
| 15,100.0                                                               | 9,476.7               | 15,365.2              | 9,449.4               | 50.7             | 62.5          | 88.24                 | -6,104.1                            | -981.1       | 891.0                  | 778.0                   | 113.02                    | 7.884              |          |
| 15,200.0                                                               | 9,476.6               | 15,465.1              | 9,449.1               | 51.6             | 63.2          | 88.23                 | -6,204.1                            | -982.9       | 892.8                  | 778.2                   | 114.59                    | 7.791              |          |
| 15,300.0                                                               | 9,476.5               | 15,565.1              | 9,448.8               | 52.4             | 63.9          | 88.23                 | -6,304.0                            | -984.7       | 894.6                  | 778.5                   | 116.17                    | 7.701              |          |
| 15,400.0                                                               | 9,476.3               | 15,665.1              | 9,448.6               | 53.3             | 64.7          | 88.22                 | -6,404.0                            | -986.5       | 896.4                  | 778.7                   | 117.75                    | 7.613              |          |
| 15,500.0                                                               | 9,476.2               | 15,765.1              | 9,448.3               | 54.1             | 65.4          | 88.22                 | -6,504.0                            | -988.3       | 898.2                  | 778.9                   | 119.33                    | 7.527              |          |
| 15,600.0                                                               | 9,476.1               | 15,865.1              | 9,448.1               | 55.0             | 66.1          | 88.21                 | -6,603.9                            | -990.2       | 900.0                  | 779.1                   | 120.92                    | 7.443              |          |
| 15,700.0                                                               | 9,475.9               | 15,965.1              | 9,447.8               | 55.8             | 66.8          | 88.21                 | -6,703.9                            | -992.0       | 901.8                  | 779.3                   | 122.51                    | 7.361              |          |
| 15,800.0                                                               | 9,475.8               | 16,065.0              | 9,447.5               | 56.7             | 67.6          | 88.21                 | -6,803.9                            | -993.8       | 903.6                  | 779.5                   | 124.10                    | 7.281              |          |
| 15,900.0                                                               | 9,475.7               | 16,165.0              | 9,447.3               | 57.6             | 68.3          | 88.20                 | -6,903.8                            | -995.6       | 905.4                  | 779.7                   | 125.70                    | 7.203              |          |
| 16,000.0                                                               | 9,475.6               | 16,265.0              | 9,447.0               | 58.4             | 69.1          | 88.20                 | -7,003.8                            | -997.4       | 907.2                  | 779.9                   | 127.30                    | 7.127              |          |
| 16,100.0                                                               | 9,475.4               | 16,365.0              | 9,446.8               | 59.3             | 69.8          | 88.19                 | -7,103.8                            | -999.2       | 909.0                  | 780.1                   | 128.90                    | 7.052              |          |
| 16,200.0                                                               | 9,475.3               | 16,465.0              | 9,446.5               | 60.1             | 70.6          | 88.19                 | -7,203.7                            | -1,001.0     | 910.8                  | 780.3                   | 130.50                    | 6.979              |          |
| 16,300.0                                                               | 9,475.2               | 16,565.0              | 9,446.2               | 61.0             | 71.3          | 88.18                 | -7,303.7                            | -1,002.8     | 912.6                  | 780.5                   | 132.11                    | 6.908              |          |
| 16,400.0                                                               | 9,475.0               | 16,664.9              | 9,446.0               | 61.8             | 72.1          | 88.18                 | -7,403.7                            | -1,004.6     | 914.4                  | 780.7                   | 133.72                    | 6.839              |          |
| 16,500.0                                                               | 9,474.9               | 16,764.9              | 9,445.7               | 62.7             | 72.8          | 88.17                 | -7,503.6                            | -1,006.4     | 916.2                  | 780.9                   | 135.33                    | 6.770              |          |
| 16,600.0                                                               | 9,474.8               | 16,864.9              | 9,445.5               | 63.5             | 73.6          | 88.17                 | -7,603.6                            | -1,008.2     | 918.0                  | 781.1                   | 136.95                    | 6.704              |          |
| 16,700.0                                                               | 9,474.7               | 16,964.9              | 9,445.2               | 64.4             | 74.3          | 88.16                 | -7,703.6                            | -1,010.0     | 919.8                  | 781.3                   | 138.56                    | 6.638              |          |
| 16,800.0                                                               | 9,474.5               | 17,064.9              | 9,444.9               | 65.2             | 75.1          | 88.16                 | -7,803.5                            | -1,011.8     | 921.6                  | 781.5                   | 140.18                    | 6.575              |          |
| 16,900.0                                                               | 9,474.4               | 17,164.9              | 9,444.7               | 66.1             | 75.9          | 88.15                 | -7,903.5                            | -1,013.6     | 923.4                  | 781.6                   | 141.80                    | 6.512              |          |
| 17,000.0                                                               | 9,474.3               | 17,264.8              | 9,444.4               | 66.9             | 76.6          | 88.15                 | -8,003.5                            | -1,015.4     | 925.2                  | 781.8                   | 143.43                    | 6.451              |          |
| 17,100.0                                                               | 9,474.2               | 17,364.8              | 9,444.2               | 67.8             | 77.4          | 88.14                 | -8,103.4                            | -1,017.2     | 927.0                  | 782.0                   | 145.05                    | 6.391              |          |
| 17,200.0                                                               | 9,474.0               | 17,464.8              | 9,443.9               | 68.7             | 78.2          | 88.14                 | -8,203.4                            | -1,019.0     | 928.8                  | 782.2                   | 146.68                    | 6.333              |          |
| 17,300.0                                                               | 9,473.9               | 17,564.8              | 9,443.6               | 69.5             | 78.9          | 88.13                 | -8,303.4                            | -1,020.8     | 930.6                  | 782.3                   | 148.31                    | 6.275              |          |
| 17,400.0                                                               | 9,473.8               | 17,664.8              | 9,443.4               | 70.4             | 79.7          | 88.13                 | -8,403.3                            | -1,022.6     | 932.4                  | 782.5                   | 149.94                    | 6.219              |          |
| 17,500.0                                                               | 9,473.6               | 17,764.8              | 9,443.1               | 71.2             | 80.5          | 88.13                 | -8,503.3                            | -1,024.4     | 934.2                  | 782.7                   | 151.57                    | 6.164              |          |
| 17,600.0                                                               | 9,473.5               | 17,864.8              | 9,442.8               | 72.1             | 81.3          | 88.12                 | -8,603.3                            | -1,026.2     | 936.0                  | 782.8                   | 153.20                    | 6.110              |          |
| 17,700.0                                                               | 9,473.4               | 17,964.7              | 9,442.6               | 72.9             | 82.0          | 88.12                 | -8,703.2                            | -1,028.0     | 937.9                  | 783.0                   | 154.84                    | 6.057              |          |
| 17,800.0                                                               | 9,473.3               | 18,064.7              | 9,442.3               | 73.8             | 82.8          | 88.11                 | -8,803.2                            | -1,029.8     | 939.7                  | 783.2                   | 156.48                    | 6.005              |          |
| 17,900.0                                                               | 9,473.1               | 18,164.7              | 9,442.1               | 74.6             | 83.6          | 88.11                 | -8,903.2                            | -1,031.6     | 941.5                  | 783.3                   | 158.12                    | 5.954              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design                   |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 3.0 usft |
|---------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                       |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,000.0                        | 9,473.0               | 18,264.7              | 9,441.8               | 75.5             | 84.4          | 88.10                 | -9,003.1                            | -1,033.4     | 943.3                  | 783.5                   | 159.76                    | 5.904              |          |
| 18,100.0                        | 9,472.9               | 18,364.7              | 9,441.5               | 76.4             | 85.2          | 88.10                 | -9,103.1                            | -1,035.2     | 945.1                  | 783.7                   | 161.40                    | 5.855              |          |
| 18,200.0                        | 9,472.7               | 18,464.7              | 9,441.3               | 77.2             | 85.9          | 88.09                 | -9,203.1                            | -1,037.0     | 946.9                  | 783.8                   | 163.04                    | 5.807              |          |
| 18,300.0                        | 9,472.6               | 18,564.6              | 9,441.0               | 78.1             | 86.7          | 88.09                 | -9,303.1                            | -1,038.9     | 948.7                  | 784.0                   | 164.69                    | 5.760              |          |
| 18,400.0                        | 9,472.5               | 18,664.6              | 9,440.8               | 78.9             | 87.5          | 88.09                 | -9,403.0                            | -1,040.7     | 950.5                  | 784.1                   | 166.34                    | 5.714              |          |
| 18,500.0                        | 9,472.4               | 18,764.6              | 9,440.5               | 79.8             | 88.3          | 88.08                 | -9,503.0                            | -1,042.5     | 952.3                  | 784.3                   | 167.98                    | 5.669              |          |
| 18,600.0                        | 9,472.2               | 18,864.6              | 9,440.2               | 80.6             | 89.1          | 88.08                 | -9,603.0                            | -1,044.3     | 954.1                  | 784.4                   | 169.63                    | 5.624              |          |
| 18,700.0                        | 9,472.1               | 18,964.6              | 9,440.0               | 81.5             | 89.9          | 88.07                 | -9,702.9                            | -1,046.1     | 955.9                  | 784.6                   | 171.28                    | 5.581              |          |
| 18,800.0                        | 9,472.0               | 19,064.6              | 9,439.7               | 82.3             | 90.7          | 88.07                 | -9,802.9                            | -1,047.9     | 957.7                  | 784.7                   | 172.94                    | 5.538              |          |
| 18,900.0                        | 9,471.8               | 19,164.5              | 9,439.5               | 83.2             | 91.5          | 88.06                 | -9,902.9                            | -1,049.7     | 959.5                  | 784.9                   | 174.59                    | 5.496              |          |
| 19,000.0                        | 9,471.7               | 19,264.5              | 9,439.2               | 84.1             | 92.3          | 88.06                 | -10,002.8                           | -1,051.5     | 961.3                  | 785.0                   | 176.24                    | 5.454              |          |
| 19,100.0                        | 9,471.6               | 19,364.5              | 9,438.9               | 84.9             | 93.1          | 88.06                 | -10,102.8                           | -1,053.3     | 963.1                  | 785.2                   | 177.90                    | 5.414              |          |
| 19,200.0                        | 9,471.5               | 19,464.5              | 9,438.7               | 85.8             | 93.9          | 88.05                 | -10,202.8                           | -1,055.1     | 964.9                  | 785.3                   | 179.56                    | 5.374              |          |
| 19,300.0                        | 9,471.3               | 19,564.5              | 9,438.4               | 86.6             | 94.7          | 88.05                 | -10,302.7                           | -1,056.9     | 966.7                  | 785.5                   | 181.21                    | 5.334              |          |
| 19,400.0                        | 9,471.2               | 19,664.5              | 9,438.2               | 87.5             | 95.5          | 88.04                 | -10,402.7                           | -1,058.7     | 968.5                  | 785.6                   | 182.87                    | 5.296              |          |
| 19,500.0                        | 9,471.1               | 19,764.4              | 9,437.9               | 88.3             | 96.3          | 88.04                 | -10,502.7                           | -1,060.5     | 970.3                  | 785.7                   | 184.53                    | 5.258              |          |
| 19,600.0                        | 9,470.9               | 19,864.4              | 9,437.6               | 89.2             | 97.1          | 88.03                 | -10,602.6                           | -1,062.3     | 972.1                  | 785.9                   | 186.19                    | 5.221              |          |
| 19,700.0                        | 9,470.8               | 19,964.4              | 9,437.4               | 90.1             | 97.9          | 88.03                 | -10,702.6                           | -1,064.1     | 973.9                  | 786.0                   | 187.85                    | 5.184              |          |
| 19,800.0                        | 9,470.7               | 20,064.4              | 9,437.1               | 90.9             | 98.7          | 88.03                 | -10,802.6                           | -1,065.9     | 975.7                  | 786.2                   | 189.52                    | 5.148              |          |
| 19,900.0                        | 9,470.6               | 20,164.4              | 9,436.9               | 91.8             | 99.5          | 88.02                 | -10,902.5                           | -1,067.7     | 977.5                  | 786.3                   | 191.18                    | 5.113              |          |
| 20,000.0                        | 9,470.4               | 20,264.4              | 9,436.6               | 92.6             | 100.3         | 88.02                 | -11,002.5                           | -1,069.5     | 979.3                  | 786.4                   | 192.84                    | 5.078              |          |
| 20,100.0                        | 9,470.3               | 20,364.3              | 9,436.3               | 93.5             | 101.1         | 88.01                 | -11,102.5                           | -1,071.3     | 981.1                  | 786.6                   | 194.51                    | 5.044              |          |
| 20,181.0                        | 9,470.2               | 20,445.3              | 9,436.1               | 94.2             | 101.7         | 88.01                 | -11,183.5                           | -1,072.8     | 982.5                  | 786.7                   | 195.86                    | 5.017              |          |
| 20,194.7                        | 9,470.2               | 20,459.0              | 9,436.1               | 94.3             | 101.9         | 88.01                 | -11,197.1                           | -1,073.0     | 982.8                  | 786.7                   | 196.09                    | 5.012              |          |
| 20,200.0                        | 9,470.2               | 20,464.3              | 9,436.1               | 94.3             | 101.9         | 88.01                 | -11,202.4                           | -1,073.1     | 982.9                  | 786.8                   | 196.17                    | 5.011              |          |
| 20,300.0                        | 9,470.1               | 20,564.3              | 9,435.8               | 95.2             | 102.7         | 88.01                 | -11,302.4                           | -1,074.9     | 985.2                  | 787.4                   | 197.84                    | 4.980              |          |
| 20,400.0                        | 9,469.9               | 20,664.3              | 9,435.6               | 96.1             | 103.5         | 88.00                 | -11,402.3                           | -1,076.7     | 987.5                  | 788.0                   | 199.51                    | 4.950              |          |
| 20,500.0                        | 9,469.8               | 20,764.2              | 9,435.3               | 96.9             | 104.3         | 88.00                 | -11,502.3                           | -1,078.5     | 989.8                  | 788.6                   | 201.18                    | 4.920              |          |
| 20,600.0                        | 9,469.7               | 20,864.2              | 9,435.0               | 97.8             | 105.1         | 88.00                 | -11,602.3                           | -1,080.3     | 992.0                  | 789.2                   | 202.85                    | 4.891              |          |
| 20,700.0                        | 9,469.6               | 20,964.2              | 9,434.8               | 98.6             | 105.9         | 87.99                 | -11,702.2                           | -1,082.1     | 994.3                  | 789.8                   | 204.52                    | 4.862              |          |
| 20,800.0                        | 9,469.4               | 21,064.2              | 9,434.5               | 99.5             | 106.8         | 87.99                 | -11,802.2                           | -1,083.9     | 996.6                  | 790.4                   | 206.19                    | 4.833              |          |
| 20,900.0                        | 9,469.3               | 21,164.1              | 9,434.3               | 100.4            | 107.6         | 87.99                 | -11,902.1                           | -1,085.7     | 998.9                  | 791.0                   | 207.86                    | 4.806              |          |

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design MYOX 28 STATE PROJECT (ATLAS 2528) - MYOX 28 ST COM #701H - OWB - AWP |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 100-Standard Keeper 104, 8751-MWD+IFR1+FDIR                         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                                           | Offset                | Semi Major Axis       |                       | Distance         |               | Warning               |                                     |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 8,700.0                                                                             | 8,685.3               | 19,484.1              | 9,355.9               | 8.1              | 89.2          | -112.11               | -290.5                              | 591.7        | 954.3                  | 857.3                   | 97.01                     | 9.837              |          |
| 8,800.0                                                                             | 8,784.8               | 19,490.9              | 9,355.7               | 8.2              | 89.3          | -111.55               | -297.3                              | 591.9        | 889.7                  | 792.4                   | 97.27                     | 9.147              |          |
| 8,900.0                                                                             | 8,884.3               | 19,494.0              | 9,355.6               | 8.2              | 89.3          | -111.30               | -300.4                              | 591.9        | 832.0                  | 734.6                   | 97.43                     | 8.540              |          |
| 9,000.0                                                                             | 8,983.8               | 19,501.3              | 9,355.3               | 8.2              | 89.4          | -110.70               | -307.8                              | 592.2        | 782.9                  | 685.4                   | 97.54                     | 8.026              |          |
| 9,069.6                                                                             | 9,053.0               | 19,504.8              | 9,355.2               | 8.3              | 89.4          | -110.42               | -311.3                              | 592.3        | 754.7                  | 657.2                   | 97.43                     | 7.746              |          |
| 9,075.0                                                                             | 9,058.4               | 19,505.1              | 9,355.2               | 8.3              | 89.4          | -109.55               | -311.6                              | 592.3        | 752.7                  | 655.3                   | 97.43                     | 7.726              |          |
| 9,100.0                                                                             | 9,083.2               | 19,507.2              | 9,355.2               | 8.3              | 89.4          | -107.39               | -313.6                              | 592.3        | 744.2                  | 646.8                   | 97.42                     | 7.639              |          |
| 9,125.0                                                                             | 9,107.7               | 19,510.3              | 9,355.1               | 8.3              | 89.5          | -106.50               | -316.7                              | 592.4        | 736.6                  | 639.2                   | 97.41                     | 7.562              |          |
| 9,150.0                                                                             | 9,132.0               | 19,514.5              | 9,355.0               | 8.3              | 89.5          | -106.01               | -320.9                              | 592.6        | 730.1                  | 632.7                   | 97.42                     | 7.495              |          |
| 9,175.0                                                                             | 9,156.0               | 19,519.8              | 9,354.8               | 8.4              | 89.6          | -105.62               | -326.2                              | 592.8        | 724.6                  | 627.2                   | 97.43                     | 7.437              |          |
| 9,200.0                                                                             | 9,179.5               | 19,526.1              | 9,354.6               | 8.4              | 89.6          | -105.21               | -332.5                              | 593.0        | 720.2                  | 622.7                   | 97.46                     | 7.389              |          |
| 9,225.0                                                                             | 9,202.5               | 19,534.1              | 9,354.5               | 8.4              | 89.7          | -104.68               | -340.5                              | 593.3        | 716.8                  | 619.2                   | 97.52                     | 7.350              |          |
| 9,250.0                                                                             | 9,225.0               | 19,544.2              | 9,354.2               | 8.4              | 89.8          | -103.95               | -350.6                              | 593.7        | 714.4                  | 616.8                   | 97.60                     | 7.319              |          |
| 9,275.0                                                                             | 9,247.0               | 19,555.5              | 9,354.0               | 8.5              | 89.9          | -103.10               | -361.9                              | 594.1        | 712.9                  | 615.2                   | 97.70                     | 7.297              |          |
| 9,300.0                                                                             | 9,268.2               | 19,568.0              | 9,353.7               | 8.5              | 90.0          | -102.13               | -374.3                              | 594.5        | 712.4                  | 614.6                   | 97.83                     | 7.282              |          |
| 9,301.7                                                                             | 9,269.6               | 19,568.9              | 9,353.7               | 8.5              | 90.0          | -102.06               | -375.2                              | 594.6        | 712.4                  | 614.6                   | 97.84                     | 7.281 CC, ES       |          |
| 9,325.0                                                                             | 9,288.8               | 19,581.5              | 9,353.4               | 8.5              | 90.1          | -101.03               | -387.9                              | 595.0        | 712.8                  | 614.8                   | 97.98                     | 7.275 SF           |          |
| 9,350.0                                                                             | 9,308.5               | 19,592.0              | 9,353.1               | 8.6              | 90.2          | -100.09               | -398.3                              | 595.4        | 714.0                  | 615.9                   | 98.12                     | 7.277              |          |
| 9,375.0                                                                             | 9,327.5               | 19,592.0              | 9,353.1               | 8.6              | 90.2          | -99.73                | -398.3                              | 595.4        | 716.1                  | 618.0                   | 98.16                     | 7.296              |          |
| 9,400.0                                                                             | 9,345.5               | 19,592.0              | 9,353.1               | 8.6              | 90.2          | -99.26                | -398.3                              | 595.4        | 719.4                  | 621.2                   | 98.17                     | 7.328              |          |
| 9,425.0                                                                             | 9,362.7               | 19,592.0              | 9,353.1               | 8.7              | 90.2          | -98.68                | -398.3                              | 595.4        | 723.6                  | 625.5                   | 98.14                     | 7.373              |          |
| 9,450.0                                                                             | 9,378.8               | 19,592.0              | 9,353.1               | 8.7              | 90.2          | -97.98                | -398.3                              | 595.4        | 728.8                  | 630.8                   | 98.07                     | 7.432              |          |
| 9,475.0                                                                             | 9,394.0               | 19,592.0              | 9,353.1               | 8.8              | 90.2          | -97.16                | -398.3                              | 595.4        | 735.0                  | 637.1                   | 97.95                     | 7.504              |          |
| 9,500.0                                                                             | 9,408.0               | 19,592.0              | 9,353.1               | 8.8              | 90.2          | -96.23                | -398.3                              | 595.4        | 742.2                  | 644.4                   | 97.78                     | 7.590              |          |
| 9,525.0                                                                             | 9,421.0               | 19,592.0              | 9,353.1               | 8.9              | 90.2          | -95.18                | -398.3                              | 595.4        | 750.1                  | 652.6                   | 97.55                     | 7.690              |          |
| 9,550.0                                                                             | 9,432.8               | 19,592.0              | 9,353.1               | 8.9              | 90.2          | -94.02                | -398.3                              | 595.4        | 759.0                  | 661.7                   | 97.26                     | 7.803              |          |
| 9,575.0                                                                             | 9,443.5               | 19,592.0              | 9,353.1               | 8.9              | 90.2          | -92.75                | -398.3                              | 595.4        | 768.5                  | 671.6                   | 96.91                     | 7.931              |          |
| 9,600.0                                                                             | 9,453.0               | 19,592.0              | 9,353.1               | 9.0              | 90.2          | -91.37                | -398.3                              | 595.4        | 778.8                  | 682.3                   | 96.49                     | 8.072              |          |
| 9,625.0                                                                             | 9,461.2               | 19,592.0              | 9,353.1               | 9.0              | 90.2          | -89.88                | -398.3                              | 595.4        | 789.8                  | 693.8                   | 96.02                     | 8.226              |          |
| 9,650.0                                                                             | 9,468.2               | 19,592.0              | 9,353.1               | 9.1              | 90.2          | -88.30                | -398.3                              | 595.4        | 801.4                  | 705.9                   | 95.48                     | 8.393              |          |
| 9,675.0                                                                             | 9,474.0               | 19,592.0              | 9,353.1               | 9.1              | 90.2          | -86.63                | -398.3                              | 595.4        | 813.5                  | 718.6                   | 94.89                     | 8.573              |          |
| 9,700.0                                                                             | 9,478.4               | 19,592.0              | 9,353.1               | 9.2              | 90.2          | -84.87                | -398.3                              | 595.4        | 826.1                  | 731.9                   | 94.25                     | 8.765              |          |
| 9,725.0                                                                             | 9,481.6               | 19,592.0              | 9,353.1               | 9.2              | 90.2          | -83.04                | -398.3                              | 595.4        | 839.2                  | 745.6                   | 93.56                     | 8.969              |          |
| 9,750.0                                                                             | 9,483.5               | 19,592.0              | 9,353.1               | 9.3              | 90.2          | -81.15                | -398.3                              | 595.4        | 852.6                  | 759.7                   | 92.83                     | 9.184              |          |
| 9,773.7                                                                             | 9,484.0               | 19,592.0              | 9,353.1               | 9.3              | 90.2          | -79.31                | -398.3                              | 595.4        | 865.6                  | 773.5                   | 92.10                     | 9.398              |          |
| 9,800.0                                                                             | 9,484.0               | 19,592.0              | 9,353.1               | 9.4              | 90.2          | -79.38                | -398.3                              | 595.4        | 880.4                  | 789.1                   | 91.27                     | 9.646              |          |
| 9,900.0                                                                             | 9,483.9               | 19,592.0              | 9,353.1               | 9.8              | 90.2          | -79.65                | -398.3                              | 595.4        | 939.5                  | 851.6                   | 87.94                     | 10.684             |          |

# Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| Offset Design MYOX 28 STATE PROJECT (ATLAS 2528) - MYOX 28 ST COM #702H - OWB - AWP |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 100-Standard Keeper 104, 8755-MWD+IFR1+FDIR                         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                                           | Offset                | Semi Major Axis       |                       | Distance         |               | Warning               |                                     |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                                               | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 8,600.0                                                                             | 8,585.7               | 19,393.0              | 9,487.7               | 8.1              | 87.6          | 97.73                 | -280.7                              | -293.2       | 922.5                  | 827.4                   | 95.06                     | 9.704              |          |
| 8,700.0                                                                             | 8,685.3               | 19,410.4              | 9,487.6               | 8.1              | 87.7          | 93.05                 | -298.1                              | -293.2       | 825.0                  | 729.5                   | 95.52                     | 8.637              |          |
| 8,800.0                                                                             | 8,784.8               | 19,414.8              | 9,487.6               | 8.2              | 87.8          | 91.80                 | -302.6                              | -293.2       | 728.2                  | 632.3                   | 95.85                     | 7.597              |          |
| 8,900.0                                                                             | 8,884.3               | 19,424.7              | 9,487.6               | 8.2              | 87.9          | 88.97                 | -312.4                              | -293.1       | 632.1                  | 535.9                   | 96.25                     | 6.568              |          |
| 9,000.0                                                                             | 8,983.8               | 19,434.2              | 9,487.5               | 8.2              | 87.9          | 86.17                 | -321.9                              | -293.1       | 537.4                  | 440.7                   | 96.67                     | 5.559              |          |
| 9,069.6                                                                             | 9,053.0               | 19,440.6              | 9,487.4               | 8.3              | 88.0          | 84.25                 | -328.3                              | -293.1       | 472.7                  | 375.5                   | 97.17                     | 4.864              |          |
| 9,075.0                                                                             | 9,058.4               | 19,441.1              | 9,487.4               | 8.3              | 88.0          | 86.71                 | -328.8                              | -293.1       | 467.7                  | 370.5                   | 97.20                     | 4.812              |          |
| 9,100.0                                                                             | 9,083.2               | 19,444.1              | 9,487.4               | 8.3              | 88.0          | 95.54                 | -331.8                              | -293.1       | 444.9                  | 347.5                   | 97.31                     | 4.571              |          |
| 9,125.0                                                                             | 9,107.7               | 19,448.4              | 9,487.4               | 8.3              | 88.1          | 101.91                | -336.1                              | -293.1       | 422.4                  | 324.9                   | 97.44                     | 4.335              |          |
| 9,150.0                                                                             | 9,132.0               | 19,454.0              | 9,487.3               | 8.3              | 88.1          | 106.76                | -341.7                              | -293.1       | 400.3                  | 302.7                   | 97.57                     | 4.102              |          |
| 9,175.0                                                                             | 9,156.0               | 19,460.8              | 9,487.2               | 8.4              | 88.2          | 110.48                | -348.6                              | -293.1       | 378.7                  | 281.0                   | 97.71                     | 3.876              |          |
| 9,200.0                                                                             | 9,179.5               | 19,468.9              | 9,487.1               | 8.4              | 88.2          | 113.29                | -356.7                              | -293.1       | 357.7                  | 259.8                   | 97.85                     | 3.655              |          |
| 9,225.0                                                                             | 9,202.5               | 19,478.2              | 9,487.1               | 8.4              | 88.3          | 115.34                | -366.0                              | -293.1       | 337.3                  | 239.3                   | 98.01                     | 3.442              |          |
| 9,250.0                                                                             | 9,225.0               | 19,488.8              | 9,486.9               | 8.4              | 88.4          | 116.76                | -376.5                              | -293.1       | 317.7                  | 219.6                   | 98.16                     | 3.237              |          |
| 9,275.0                                                                             | 9,247.0               | 19,500.4              | 9,486.8               | 8.5              | 88.5          | 117.62                | -388.2                              | -293.0       | 298.9                  | 200.6                   | 98.32                     | 3.041              |          |
| 9,300.0                                                                             | 9,268.2               | 19,507.0              | 9,486.8               | 8.5              | 88.6          | 119.15                | -394.7                              | -293.0       | 281.1                  | 182.8                   | 98.34                     | 2.859              |          |
| 9,325.0                                                                             | 9,288.8               | 19,507.0              | 9,486.8               | 8.5              | 88.6          | 121.45                | -394.7                              | -293.0       | 264.9                  | 167.0                   | 97.99                     | 2.704              |          |
| 9,350.0                                                                             | 9,308.5               | 19,507.0              | 9,486.8               | 8.6              | 88.6          | 123.28                | -394.7                              | -293.0       | 250.8                  | 153.6                   | 97.22                     | 2.580              |          |
| 9,375.0                                                                             | 9,327.5               | 19,507.0              | 9,486.8               | 8.6              | 88.6          | 124.67                | -394.7                              | -293.0       | 239.1                  | 143.3                   | 95.86                     | 2.495              |          |
| 9,400.0                                                                             | 9,345.5               | 19,507.0              | 9,486.8               | 8.6              | 88.6          | 125.66                | -394.7                              | -293.0       | 230.3                  | 136.6                   | 93.75                     | 2.457 SF           |          |
| 9,425.0                                                                             | 9,362.7               | 19,507.0              | 9,486.8               | 8.7              | 88.6          | 126.27                | -394.7                              | -293.0       | 224.8                  | 134.0                   | 90.80                     | 2.475 ES           |          |
| 9,450.0                                                                             | 9,378.8               | 19,507.0              | 9,486.8               | 8.7              | 88.6          | 126.53                | -394.7                              | -293.0       | 222.7                  | 135.7                   | 87.01                     | 2.559              |          |
| 9,452.0                                                                             | 9,380.1               | 19,507.0              | 9,486.8               | 8.7              | 88.6          | 126.54                | -394.7                              | -293.0       | 222.7                  | 136.0                   | 86.68                     | 2.569 CC           |          |
| 9,475.0                                                                             | 9,394.0               | 19,507.0              | 9,486.8               | 8.8              | 88.6          | 126.44                | -394.7                              | -293.0       | 224.2                  | 141.6                   | 82.57                     | 2.715              |          |
| 9,500.0                                                                             | 9,408.0               | 19,507.0              | 9,486.8               | 8.8              | 88.6          | 126.00                | -394.7                              | -293.0       | 229.2                  | 151.5                   | 77.73                     | 2.949              |          |
| 9,525.0                                                                             | 9,421.0               | 19,507.0              | 9,486.8               | 8.9              | 88.6          | 125.19                | -394.7                              | -293.0       | 237.5                  | 164.7                   | 72.82                     | 3.262              |          |
| 9,550.0                                                                             | 9,432.8               | 19,507.0              | 9,486.8               | 8.9              | 88.6          | 123.99                | -394.7                              | -293.0       | 248.8                  | 180.7                   | 68.08                     | 3.654              |          |
| 9,575.0                                                                             | 9,443.5               | 19,507.0              | 9,486.8               | 8.9              | 88.6          | 122.38                | -394.7                              | -293.0       | 262.6                  | 198.9                   | 63.70                     | 4.122              |          |
| 9,600.0                                                                             | 9,453.0               | 19,507.0              | 9,486.8               | 9.0              | 88.6          | 120.32                | -394.7                              | -293.0       | 278.4                  | 218.7                   | 59.75                     | 4.660              |          |
| 9,625.0                                                                             | 9,461.2               | 19,507.0              | 9,486.8               | 9.0              | 88.6          | 117.75                | -394.7                              | -293.0       | 296.1                  | 239.8                   | 56.26                     | 5.262              |          |
| 9,650.0                                                                             | 9,468.2               | 19,507.0              | 9,486.8               | 9.1              | 88.6          | 114.63                | -394.7                              | -293.0       | 315.1                  | 261.9                   | 53.20                     | 5.924              |          |
| 9,675.0                                                                             | 9,474.0               | 19,507.0              | 9,486.8               | 9.1              | 88.6          | 110.91                | -394.7                              | -293.0       | 335.3                  | 284.8                   | 50.51                     | 6.638              |          |
| 9,700.0                                                                             | 9,478.4               | 19,507.0              | 9,486.8               | 9.2              | 88.6          | 106.52                | -394.7                              | -293.0       | 356.3                  | 308.1                   | 48.15                     | 7.400              |          |
| 9,725.0                                                                             | 9,481.6               | 19,507.0              | 9,486.8               | 9.2              | 88.6          | 101.46                | -394.7                              | -293.0       | 378.0                  | 331.9                   | 46.07                     | 8.205              |          |
| 9,750.0                                                                             | 9,483.5               | 19,507.0              | 9,486.8               | 9.3              | 88.6          | 95.74                 | -394.7                              | -293.0       | 400.2                  | 356.0                   | 44.22                     | 9.049              |          |
| 9,773.7                                                                             | 9,484.0               | 19,507.0              | 9,486.8               | 9.3              | 88.6          | 89.77                 | -394.7                              | -293.0       | 421.6                  | 378.9                   | 42.67                     | 9.881              |          |
| 9,800.0                                                                             | 9,484.0               | 19,507.0              | 9,486.8               | 9.4              | 88.6          | 89.76                 | -394.7                              | -293.0       | 445.7                  | 404.5                   | 41.15                     | 10.831             |          |
| 9,900.0                                                                             | 9,483.9               | 19,507.0              | 9,486.8               | 9.8              | 88.6          | 89.73                 | -394.7                              | -293.0       | 539.9                  | 502.7                   | 37.16                     | 14.527             |          |
| 10,000.0                                                                            | 9,483.7               | 19,507.0              | 9,486.8               | 10.3             | 88.6          | 89.67                 | -394.7                              | -293.0       | 636.7                  | 601.7                   | 35.00                     | 18.192             |          |
| 10,100.0                                                                            | 9,483.6               | 19,507.0              | 9,486.8               | 10.8             | 88.6          | 89.59                 | -394.7                              | -293.0       | 735.0                  | 701.1                   | 33.83                     | 21.728             |          |
| 10,155.2                                                                            | 9,483.5               | 19,507.0              | 9,486.8               | 11.1             | 88.6          | 89.52                 | -394.7                              | -293.0       | 789.7                  | 756.2                   | 33.44                     | 23.616             |          |
| 10,200.0                                                                            | 9,483.5               | 19,507.0              | 9,486.8               | 11.4             | 88.6          | 89.52                 | -394.7                              | -293.0       | 834.1                  | 800.9                   | 33.20                     | 25.127             |          |
| 10,300.0                                                                            | 9,483.3               | 19,507.0              | 9,486.8               | 12.0             | 88.6          | 89.52                 | -394.7                              | -293.0       | 933.5                  | 900.7                   | 32.78                     | 28.477             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

| <b>Offset Design</b>                                                        |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.0 usft |
|-----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| SRO STATE PROJECT (ATLAS 2628) - SRO STATE COM #30H - OWB - ACTUAL WELLPATH |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Well Error:</b> | 3.0 usft |
| Survey Program: 100-Standard Keeper 104, 7528-MWD+IFR1+MS                   |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                           |          |
| Reference                                                                   |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                           |          |
| Measured Depth (usft)                                                       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         | Warning  |
| 7,700.0                                                                     | 7,690.2               | 17,905.0              | 8,129.1               | 7.9              | 77.2          | -67.74                | -806.0                              | 628.9        | 990.0                  | 919.6                   | 70.34                     | 14.074                    |          |
| 7,800.0                                                                     | 7,789.7               | 17,905.0              | 8,129.1               | 8.0              | 77.2          | -67.74                | -806.0                              | 628.9        | 954.1                  | 884.9                   | 69.26                     | 13.776                    |          |
| 7,900.0                                                                     | 7,889.2               | 17,905.0              | 8,129.1               | 8.0              | 77.2          | -67.74                | -806.0                              | 628.9        | 927.8                  | 859.2                   | 68.60                     | 13.525                    |          |
| 8,000.0                                                                     | 7,988.7               | 17,905.0              | 8,129.1               | 8.0              | 77.2          | -67.74                | -806.0                              | 628.9        | 911.7                  | 843.2                   | 68.51                     | 13.308                    |          |
| 8,098.1                                                                     | 8,086.3               | 17,905.0              | 8,129.1               | 8.0              | 77.2          | -67.74                | -806.0                              | 628.9        | 906.4                  | 837.3                   | 69.08                     | 13.120 CC                 |          |
| 8,100.0                                                                     | 8,088.2               | 17,905.0              | 8,129.1               | 8.0              | 77.2          | -67.74                | -806.0                              | 628.9        | 906.4                  | 837.3                   | 69.10                     | 13.117 ES                 |          |
| 8,200.0                                                                     | 8,187.7               | 17,905.0              | 8,129.1               | 8.0              | 77.2          | -67.74                | -806.0                              | 628.9        | 912.1                  | 841.7                   | 70.37                     | 12.961                    |          |
| 8,300.0                                                                     | 8,287.2               | 17,905.0              | 8,129.1               | 8.0              | 77.2          | -67.74                | -806.0                              | 628.9        | 928.6                  | 856.4                   | 72.21                     | 12.859                    |          |
| 8,400.0                                                                     | 8,386.7               | 17,905.0              | 8,129.1               | 8.0              | 77.2          | -67.74                | -806.0                              | 628.9        | 955.3                  | 880.9                   | 74.42                     | 12.837 SF                 |          |
| 8,500.0                                                                     | 8,486.2               | 17,905.0              | 8,129.1               | 8.1              | 77.2          | -67.74                | -806.0                              | 628.9        | 991.5                  | 914.7                   | 76.80                     | 12.910                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

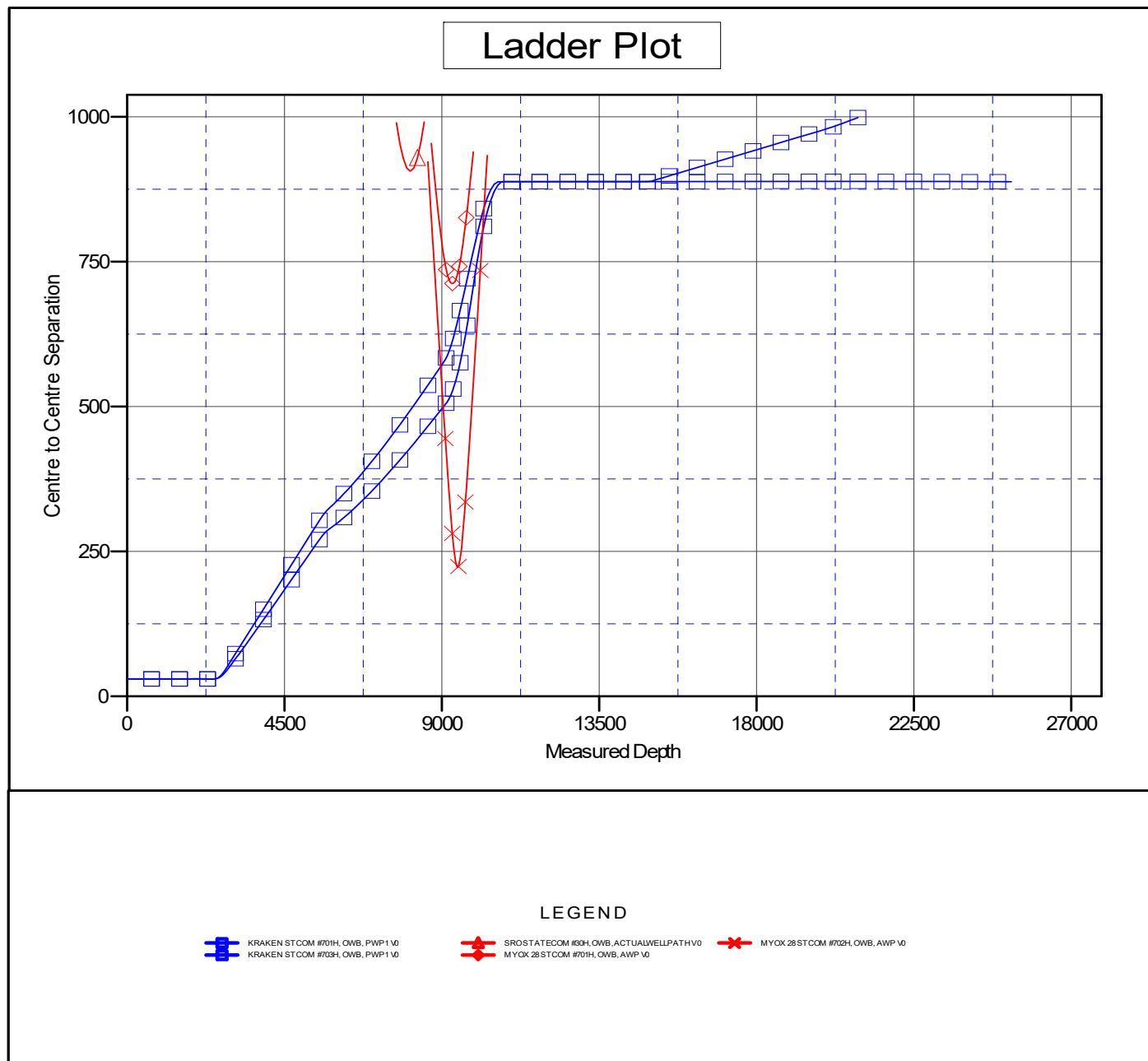
## Concho Resources LLC

## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

Reference Depths are relative to KB=25' @ 2984.0usft (PIONEER 84) Coordinates are relative to: KRAKEN ST COM #702H  
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
 Central Meridian is 104° 20' 0.000 W Grid Convergence at Surface is: 0.13°



## Concho Resources LLC

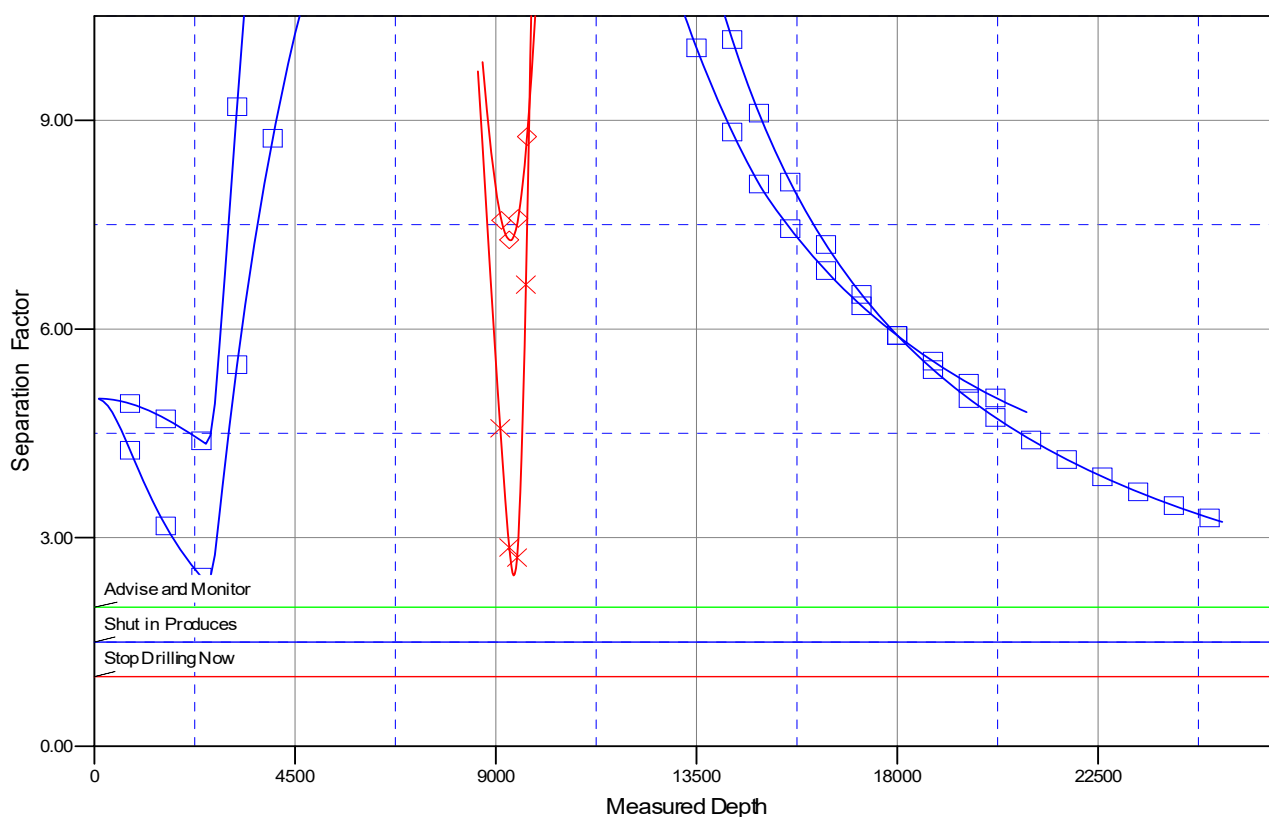
## Anticollision Report



|                           |                       |                                     |                                  |
|---------------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Reference Site:</b>    | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site Error:</b>        | 3.0 usft              | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | KRAKEN ST COM #702H   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 3.0 usft              | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | OWB                   | <b>Database:</b>                    | edm                              |
| <b>Reference Design:</b>  | PWP1                  | <b>Offset TVD Reference:</b>        | Offset Datum                     |

Reference Depths are relative to KB=25' @ 2984.0usft (PIONEER 84) Coordinates are relative to: KRAKEN ST COM #702H  
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
 Central Meridian is 104° 20' 0.000 W Grid Convergence at Surface is: 0.13°

## Separation Factor Plot



## LEGEND

KRAKEN ST COM #701H, OWB, PWP1 V0  
 KRAKEN ST COM #703H, OWB, PWP1 V0

SROSTATECOM #60H, OWB, ACTUALWELLPATH V0  
 MYOK 28 ST COM #701H, OWB, AWP V0

MYOK 28 ST COM #702H, OWB, AWP V0

# **DELAWARE BASIN WEST**

**ATLAS PROSPECT (NM-E)  
KRAKEN ST COM PROJECT  
KRAKEN ST COM #702H**

**OWB**

**Plan: PWP1**

## **Standard Survey Report**

**25 February, 2021**



## Concho Resources LLC

## Survey Report



|                  |                       |                                     |                                  |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site:</b>     | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Well:</b>     | KRAKEN ST COM #702H   | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OWB                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | PWP1                  | <b>Database:</b>                    | edm                              |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | ATLAS PROSPECT (NM-E)                |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                             |                     |          |                            |                 |
|-----------------------------|---------------------|----------|----------------------------|-----------------|
| <b>Well</b>                 | KRAKEN ST COM #702H |          |                            |                 |
| <b>Well Position</b>        | <b>+N/-S</b>        | 0.0 usft | <b>Northing:</b>           | 393,075.62 usft |
|                             | <b>+E/-W</b>        | 0.0 usft | <b>Easting:</b>            | 576,461.57 usft |
| <b>Position Uncertainty</b> |                     | 3.0 usft | <b>Wellhead Elevation:</b> | usft            |
|                             |                     |          | <b>Ground Level:</b>       | 2,959.0 usft    |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OWB               |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 11/11/2020         | 6.84                   | 59.71                | 47,419.95973357            |

|                          |                                |                     |                      |                      |  |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|--|
| <b>Design</b>            | PWP1                           |                     |                      |                      |  |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |  |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.0                  |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |  |
|                          | 0.0                            | 0.0                 | 0.0                  | 180.24               |  |

|                            |                  |                          |                     |                                    |  |
|----------------------------|------------------|--------------------------|---------------------|------------------------------------|--|
| <b>Survey Tool Program</b> | <b>Date</b>      | 2/25/2021                |                     |                                    |  |
| <b>From (usft)</b>         | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>    | <b>Description</b>                 |  |
| 0.0                        | 9,068.0          | PWP1 (OWB)               | Standard Keeper 104 | Standard Wireline Keeper ver 1.0.4 |  |
| 9,068.0                    | 25,286.0         | PWP1 (OWB)               | MWD+IFR1+FDIR       | OWSG MWD + IFR1 + FDIR Correction  |  |

|                              |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| <b>Planned Survey</b>        |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |  |
| 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                         |  |

## Concho Resources LLC

## Survey Report



|                  |                       |                                     |                                  |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site:</b>     | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Well:</b>     | KRAKEN ST COM #702H   | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OWB                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | PWP1                  | <b>Database:</b>                    | edm                              |

## 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) |
|-------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 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                  |
| 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                  |
| <b>Start Build 2.00</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,600.0                 | 2.00            | 197.17      | 5,600.0               | -1.7         | -0.5         | 1.7                     | 2.00                    | 2.00                   | 0.00                  |

## Concho Resources LLC

## Survey Report



|                  |                       |                                     |                                  |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site:</b>     | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Well:</b>     | KRAKEN ST COM #702H   | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OWB                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | PWP1                  | <b>Database:</b>                    | edm                              |

## 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) |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,700.0                               | 4.00            | 197.17      | 5,699.8               | -6.7         | -2.1         | 6.7                     | 2.00                    | 2.00                   | 0.00                  |
| 5,783.6                               | 5.67            | 197.17      | 5,783.1               | -13.4        | -4.1         | 13.4                    | 2.00                    | 2.00                   | 0.00                  |
| <b>Start 3285.9 hold at 5783.6 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,800.0                               | 5.67            | 197.17      | 5,799.5               | -14.9        | -4.6         | 15.0                    | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0                               | 5.67            | 197.17      | 5,899.0               | -24.4        | -7.5         | 24.4                    | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0                               | 5.67            | 197.17      | 5,998.5               | -33.8        | -10.5        | 33.9                    | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0                               | 5.67            | 197.17      | 6,098.0               | -43.3        | -13.4        | 43.3                    | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0                               | 5.67            | 197.17      | 6,197.5               | -52.7        | -16.3        | 52.8                    | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0                               | 5.67            | 197.17      | 6,297.0               | -62.2        | -19.2        | 62.2                    | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0                               | 5.67            | 197.17      | 6,396.5               | -71.6        | -22.1        | 71.7                    | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0                               | 5.67            | 197.17      | 6,496.0               | -81.1        | -25.0        | 81.2                    | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0                               | 5.67            | 197.17      | 6,595.5               | -90.5        | -28.0        | 90.6                    | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0                               | 5.67            | 197.17      | 6,695.1               | -99.9        | -30.9        | 100.1                   | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0                               | 5.67            | 197.17      | 6,794.6               | -109.4       | -33.8        | 109.5                   | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0                               | 5.67            | 197.17      | 6,894.1               | -118.8       | -36.7        | 119.0                   | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0                               | 5.67            | 197.17      | 6,993.6               | -128.3       | -39.6        | 128.4                   | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0                               | 5.67            | 197.17      | 7,093.1               | -137.7       | -42.5        | 137.9                   | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0                               | 5.67            | 197.17      | 7,192.6               | -147.2       | -45.5        | 147.3                   | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0                               | 5.67            | 197.17      | 7,292.1               | -156.6       | -48.4        | 156.8                   | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0                               | 5.67            | 197.17      | 7,391.6               | -166.0       | -51.3        | 166.3                   | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0                               | 5.67            | 197.17      | 7,491.1               | -175.5       | -54.2        | 175.7                   | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0                               | 5.67            | 197.17      | 7,590.6               | -184.9       | -57.1        | 185.2                   | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0                               | 5.67            | 197.17      | 7,690.2               | -194.4       | -60.0        | 194.6                   | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0                               | 5.67            | 197.17      | 7,789.7               | -203.8       | -63.0        | 204.1                   | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0                               | 5.67            | 197.17      | 7,889.2               | -213.3       | -65.9        | 213.5                   | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0                               | 5.67            | 197.17      | 7,988.7               | -222.7       | -68.8        | 223.0                   | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0                               | 5.67            | 197.17      | 8,088.2               | -232.1       | -71.7        | 232.4                   | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0                               | 5.67            | 197.17      | 8,187.7               | -241.6       | -74.6        | 241.9                   | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0                               | 5.67            | 197.17      | 8,287.2               | -251.0       | -77.6        | 251.3                   | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0                               | 5.67            | 197.17      | 8,386.7               | -260.5       | -80.5        | 260.8                   | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0                               | 5.67            | 197.17      | 8,486.2               | -269.9       | -83.4        | 270.3                   | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0                               | 5.67            | 197.17      | 8,585.7               | -279.4       | -86.3        | 279.7                   | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0                               | 5.67            | 197.17      | 8,685.3               | -288.8       | -89.2        | 289.2                   | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0                               | 5.67            | 197.17      | 8,784.8               | -298.2       | -92.1        | 298.6                   | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0                               | 5.67            | 197.17      | 8,884.3               | -307.7       | -95.1        | 308.1                   | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0                               | 5.67            | 197.17      | 8,983.8               | -317.1       | -98.0        | 317.5                   | 0.00                    | 0.00                   | 0.00                  |
| 9,069.6                               | 5.67            | 197.17      | 9,053.0               | -323.7       | -100.0       | 324.1                   | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 12.00 TFO -10.67</b>     |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,100.0                               | 9.29            | 192.98      | 9,083.2               | -327.5       | -101.0       | 327.9                   | 12.00                   | 11.87                  | -13.77                |
| 9,200.0                               | 21.25           | 189.25      | 9,179.5               | -353.4       | -105.7       | 353.8                   | 12.00                   | 11.97                  | -3.73                 |
| 9,300.0                               | 33.24           | 188.15      | 9,268.2               | -398.6       | -112.6       | 399.0                   | 12.00                   | 11.99                  | -1.10                 |
| 9,400.0                               | 45.24           | 187.59      | 9,345.5               | -461.1       | -121.2       | 461.6                   | 12.00                   | 11.99                  | -0.56                 |
| 9,500.0                               | 57.23           | 187.23      | 9,408.0               | -538.3       | -131.2       | 538.8                   | 12.00                   | 12.00                  | -0.37                 |
| 9,600.0                               | 69.23           | 186.95      | 9,453.0               | -626.7       | -142.2       | 627.3                   | 12.00                   | 12.00                  | -0.28                 |

## Concho Resources LLC

## Survey Report



|                  |                       |                                     |                                  |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site:</b>     | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Well:</b>     | KRAKEN ST COM #702H   | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OWB                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | PWP1                  | <b>Database:</b>                    | edm                              |

## 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) |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 9,700.0                                | 81.23           | 186.71      | 9,478.4               | -722.6       | -153.6       | 723.2                   | 12.00                   | 12.00                  | -0.24                 |
| 9,773.7                                | 90.07           | 186.55      | 9,484.0               | -795.5       | -162.1       | 796.1                   | 12.00                   | 12.00                  | -0.22                 |
| <b>Start DLS 2.00 TFO -89.93</b>       |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,800.0                                | 90.07           | 186.02      | 9,484.0               | -821.6       | -165.0       | 822.3                   | 2.00                    | 0.00                   | -2.00                 |
| 9,900.0                                | 90.07           | 184.02      | 9,483.9               | -921.3       | -173.8       | 922.0                   | 2.00                    | 0.00                   | -2.00                 |
| 10,000.0                               | 90.08           | 182.02      | 9,483.7               | -1,021.1     | -179.0       | 1,021.8                 | 2.00                    | 0.00                   | -2.00                 |
| 10,100.0                               | 90.08           | 180.02      | 9,483.6               | -1,121.1     | -180.8       | 1,121.8                 | 2.00                    | 0.00                   | -2.00                 |
| 10,155.2                               | 90.08           | 178.92      | 9,483.5               | -1,176.3     | -180.3       | 1,177.0                 | 2.00                    | 0.00                   | -2.00                 |
| <b>Start 4725.6 hold at 10155.2 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,200.0                               | 90.08           | 178.92      | 9,483.5               | -1,221.1     | -179.5       | 1,221.8                 | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0                               | 90.08           | 178.92      | 9,483.3               | -1,321.1     | -177.6       | 1,321.8                 | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0                               | 90.08           | 178.92      | 9,483.2               | -1,421.0     | -175.7       | 1,421.8                 | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0                               | 90.08           | 178.92      | 9,483.0               | -1,521.0     | -173.8       | 1,521.7                 | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0                               | 90.08           | 178.92      | 9,482.9               | -1,621.0     | -171.9       | 1,621.7                 | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0                               | 90.08           | 178.92      | 9,482.8               | -1,721.0     | -170.0       | 1,721.7                 | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0                               | 90.08           | 178.92      | 9,482.6               | -1,821.0     | -168.1       | 1,821.6                 | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0                               | 90.08           | 178.92      | 9,482.5               | -1,921.0     | -166.3       | 1,921.6                 | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0                               | 90.08           | 178.92      | 9,482.3               | -2,020.9     | -164.4       | 2,021.6                 | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0                               | 90.08           | 178.92      | 9,482.2               | -2,120.9     | -162.5       | 2,121.6                 | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0                               | 90.08           | 178.92      | 9,482.1               | -2,220.9     | -160.6       | 2,221.5                 | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0                               | 90.08           | 178.92      | 9,481.9               | -2,320.9     | -158.7       | 2,321.5                 | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0                               | 90.08           | 178.92      | 9,481.8               | -2,420.9     | -156.8       | 2,421.5                 | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0                               | 90.08           | 178.92      | 9,481.7               | -2,520.8     | -154.9       | 2,521.5                 | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0                               | 90.08           | 178.92      | 9,481.5               | -2,620.8     | -153.1       | 2,621.4                 | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0                               | 90.08           | 178.92      | 9,481.4               | -2,720.8     | -151.2       | 2,721.4                 | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0                               | 90.08           | 178.92      | 9,481.2               | -2,820.8     | -149.3       | 2,821.4                 | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0                               | 90.08           | 178.92      | 9,481.1               | -2,920.8     | -147.4       | 2,921.4                 | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0                               | 90.08           | 178.92      | 9,481.0               | -3,020.8     | -145.5       | 3,021.3                 | 0.00                    | 0.00                   | 0.00                  |
| 12,100.0                               | 90.08           | 178.92      | 9,480.8               | -3,120.7     | -143.6       | 3,121.3                 | 0.00                    | 0.00                   | 0.00                  |
| 12,200.0                               | 90.08           | 178.92      | 9,480.7               | -3,220.7     | -141.7       | 3,221.3                 | 0.00                    | 0.00                   | 0.00                  |
| 12,300.0                               | 90.08           | 178.92      | 9,480.6               | -3,320.7     | -139.9       | 3,321.3                 | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0                               | 90.08           | 178.92      | 9,480.4               | -3,420.7     | -138.0       | 3,421.2                 | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0                               | 90.08           | 178.92      | 9,480.3               | -3,520.7     | -136.1       | 3,521.2                 | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0                               | 90.08           | 178.92      | 9,480.1               | -3,620.7     | -134.2       | 3,621.2                 | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0                               | 90.08           | 178.92      | 9,480.0               | -3,720.6     | -132.3       | 3,721.1                 | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0                               | 90.08           | 178.92      | 9,479.9               | -3,820.6     | -130.4       | 3,821.1                 | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0                               | 90.08           | 178.92      | 9,479.7               | -3,920.6     | -128.5       | 3,921.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0                               | 90.08           | 178.92      | 9,479.6               | -4,020.6     | -126.6       | 4,021.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0                               | 90.08           | 178.92      | 9,479.5               | -4,120.6     | -124.8       | 4,121.0                 | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0                               | 90.08           | 178.92      | 9,479.3               | -4,220.5     | -122.9       | 4,221.0                 | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0                               | 90.08           | 178.92      | 9,479.2               | -4,320.5     | -121.0       | 4,321.0                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0                               | 90.08           | 178.92      | 9,479.0               | -4,420.5     | -119.1       | 4,421.0                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0                               | 90.08           | 178.92      | 9,478.9               | -4,520.5     | -117.2       | 4,520.9                 | 0.00                    | 0.00                   | 0.00                  |

## Concho Resources LLC

## Survey Report



|                  |                       |                                     |                                  |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site:</b>     | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Well:</b>     | KRAKEN ST COM #702H   | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OWB                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | PWP1                  | <b>Database:</b>                    | edm                              |

## 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) |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 13,600.0                               | 90.08           | 178.92      | 9,478.8               | -4,620.5     | -115.3       | 4,620.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0                               | 90.08           | 178.92      | 9,478.6               | -4,720.5     | -113.4       | 4,720.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0                               | 90.08           | 178.92      | 9,478.5               | -4,820.4     | -111.6       | 4,820.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0                               | 90.08           | 178.92      | 9,478.4               | -4,920.4     | -109.7       | 4,920.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0                               | 90.08           | 178.92      | 9,478.2               | -5,020.4     | -107.8       | 5,020.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0                               | 90.08           | 178.92      | 9,478.1               | -5,120.4     | -105.9       | 5,120.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0                               | 90.08           | 178.92      | 9,477.9               | -5,220.4     | -104.0       | 5,220.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0                               | 90.08           | 178.92      | 9,477.8               | -5,320.3     | -102.1       | 5,320.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0                               | 90.08           | 178.92      | 9,477.7               | -5,420.3     | -100.2       | 5,420.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0                               | 90.08           | 178.92      | 9,477.5               | -5,520.3     | -98.4        | 5,520.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0                               | 90.08           | 178.92      | 9,477.4               | -5,620.3     | -96.5        | 5,620.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0                               | 90.08           | 178.92      | 9,477.2               | -5,720.3     | -94.6        | 5,720.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0                               | 90.08           | 178.92      | 9,477.1               | -5,820.3     | -92.7        | 5,820.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,880.8                               | 90.08           | 178.92      | 9,477.0               | -5,901.1     | -91.2        | 5,901.4                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 2.00 TFO 90.29</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 14,900.0                               | 90.08           | 179.30      | 9,477.0               | -5,920.2     | -90.9        | 5,920.6                 | 2.00                    | -0.01                  | 2.00                  |
| 14,935.0                               | 90.07           | 180.00      | 9,476.9               | -5,955.3     | -90.7        | 5,955.6                 | 2.00                    | -0.01                  | 2.00                  |
| <b>Start 5246.0 hold at 14935.0 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 15,000.0                               | 90.07           | 180.00      | 9,476.8               | -6,020.2     | -90.7        | 6,020.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0                               | 90.07           | 180.00      | 9,476.7               | -6,120.2     | -90.7        | 6,120.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0                               | 90.07           | 180.00      | 9,476.6               | -6,220.2     | -90.7        | 6,220.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0                               | 90.07           | 180.00      | 9,476.5               | -6,320.2     | -90.7        | 6,320.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0                               | 90.07           | 180.00      | 9,476.3               | -6,420.2     | -90.7        | 6,420.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0                               | 90.07           | 180.00      | 9,476.2               | -6,520.2     | -90.7        | 6,520.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0                               | 90.07           | 180.00      | 9,476.1               | -6,620.2     | -90.7        | 6,620.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0                               | 90.07           | 180.00      | 9,475.9               | -6,720.2     | -90.7        | 6,720.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0                               | 90.07           | 180.00      | 9,475.8               | -6,820.2     | -90.7        | 6,820.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0                               | 90.07           | 180.00      | 9,475.7               | -6,920.2     | -90.7        | 6,920.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0                               | 90.07           | 180.00      | 9,475.6               | -7,020.2     | -90.7        | 7,020.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0                               | 90.07           | 180.00      | 9,475.4               | -7,120.2     | -90.7        | 7,120.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0                               | 90.07           | 180.00      | 9,475.3               | -7,220.2     | -90.7        | 7,220.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0                               | 90.07           | 180.00      | 9,475.2               | -7,320.2     | -90.7        | 7,320.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0                               | 90.07           | 180.00      | 9,475.0               | -7,420.2     | -90.8        | 7,420.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0                               | 90.07           | 180.00      | 9,474.9               | -7,520.2     | -90.8        | 7,520.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0                               | 90.07           | 180.00      | 9,474.8               | -7,620.2     | -90.8        | 7,620.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0                               | 90.07           | 180.00      | 9,474.7               | -7,720.2     | -90.8        | 7,720.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0                               | 90.07           | 180.00      | 9,474.5               | -7,820.2     | -90.8        | 7,820.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0                               | 90.07           | 180.00      | 9,474.4               | -7,920.2     | -90.8        | 7,920.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0                               | 90.07           | 180.00      | 9,474.3               | -8,020.2     | -90.8        | 8,020.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0                               | 90.07           | 180.00      | 9,474.2               | -8,120.2     | -90.8        | 8,120.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0                               | 90.07           | 180.00      | 9,474.0               | -8,220.2     | -90.8        | 8,220.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0                               | 90.07           | 180.00      | 9,473.9               | -8,320.2     | -90.8        | 8,320.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0                               | 90.07           | 180.00      | 9,473.8               | -8,420.2     | -90.8        | 8,420.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0                               | 90.07           | 180.00      | 9,473.6               | -8,520.2     | -90.8        | 8,520.5                 | 0.00                    | 0.00                   | 0.00                  |

## Concho Resources LLC

## Survey Report



|                  |                       |                                     |                                  |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site:</b>     | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Well:</b>     | KRAKEN ST COM #702H   | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OWB                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | PWP1                  | <b>Database:</b>                    | edm                              |

## 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) |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 17,600.0                               | 90.07           | 180.00      | 9,473.5               | -8,620.2     | -90.8        | 8,620.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0                               | 90.07           | 180.00      | 9,473.4               | -8,720.2     | -90.8        | 8,720.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0                               | 90.07           | 180.00      | 9,473.3               | -8,820.2     | -90.8        | 8,820.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0                               | 90.07           | 180.00      | 9,473.1               | -8,920.2     | -90.9        | 8,920.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0                               | 90.07           | 180.00      | 9,473.0               | -9,020.2     | -90.9        | 9,020.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0                               | 90.07           | 180.00      | 9,472.9               | -9,120.2     | -90.9        | 9,120.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0                               | 90.07           | 180.00      | 9,472.7               | -9,220.2     | -90.9        | 9,220.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0                               | 90.07           | 180.00      | 9,472.6               | -9,320.2     | -90.9        | 9,320.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0                               | 90.07           | 180.00      | 9,472.5               | -9,420.2     | -90.9        | 9,420.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0                               | 90.07           | 180.00      | 9,472.4               | -9,520.2     | -90.9        | 9,520.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0                               | 90.07           | 180.00      | 9,472.2               | -9,620.2     | -90.9        | 9,620.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0                               | 90.07           | 180.00      | 9,472.1               | -9,720.2     | -90.9        | 9,720.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0                               | 90.07           | 180.00      | 9,472.0               | -9,820.2     | -90.9        | 9,820.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0                               | 90.07           | 180.00      | 9,471.8               | -9,920.2     | -90.9        | 9,920.5                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0                               | 90.07           | 180.00      | 9,471.7               | -10,020.2    | -90.9        | 10,020.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,100.0                               | 90.07           | 180.00      | 9,471.6               | -10,120.2    | -90.9        | 10,120.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,200.0                               | 90.07           | 180.00      | 9,471.5               | -10,220.2    | -90.9        | 10,220.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0                               | 90.07           | 180.00      | 9,471.3               | -10,320.2    | -90.9        | 10,320.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0                               | 90.07           | 180.00      | 9,471.2               | -10,420.2    | -90.9        | 10,420.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0                               | 90.07           | 180.00      | 9,471.1               | -10,520.2    | -91.0        | 10,520.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0                               | 90.07           | 180.00      | 9,470.9               | -10,620.2    | -91.0        | 10,620.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0                               | 90.07           | 180.00      | 9,470.8               | -10,720.2    | -91.0        | 10,720.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,800.0                               | 90.07           | 180.00      | 9,470.7               | -10,820.2    | -91.0        | 10,820.5                | 0.00                    | 0.00                   | 0.00                  |
| 19,900.0                               | 90.07           | 180.00      | 9,470.6               | -10,920.2    | -91.0        | 10,920.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,000.0                               | 90.07           | 180.00      | 9,470.4               | -11,020.2    | -91.0        | 11,020.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,100.0                               | 90.07           | 180.00      | 9,470.3               | -11,120.2    | -91.0        | 11,120.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,181.0                               | 90.07           | 180.00      | 9,470.2               | -11,201.3    | -91.0        | 11,201.5                | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 2.00 TFO -90.82</b>       |                 |             |                       |              |              |                         |                         |                        |                       |
| 20,194.7                               | 90.07           | 179.73      | 9,470.2               | -11,214.9    | -91.0        | 11,215.2                | 2.00                    | -0.03                  | -2.00                 |
| <b>Start 5091.3 hold at 20194.7 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 20,200.0                               | 90.07           | 179.73      | 9,470.2               | -11,220.2    | -90.9        | 11,220.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,300.0                               | 90.07           | 179.73      | 9,470.1               | -11,320.2    | -90.5        | 11,320.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,400.0                               | 90.07           | 179.73      | 9,469.9               | -11,420.2    | -90.0        | 11,420.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,500.0                               | 90.07           | 179.73      | 9,469.8               | -11,520.2    | -89.5        | 11,520.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,600.0                               | 90.07           | 179.73      | 9,469.7               | -11,620.2    | -89.1        | 11,620.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,700.0                               | 90.07           | 179.73      | 9,469.6               | -11,720.2    | -88.6        | 11,720.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,800.0                               | 90.07           | 179.73      | 9,469.4               | -11,820.2    | -88.1        | 11,820.5                | 0.00                    | 0.00                   | 0.00                  |
| 20,900.0                               | 90.07           | 179.73      | 9,469.3               | -11,920.2    | -87.6        | 11,920.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,000.0                               | 90.07           | 179.73      | 9,469.2               | -12,020.2    | -87.2        | 12,020.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,100.0                               | 90.07           | 179.73      | 9,469.1               | -12,120.2    | -86.7        | 12,120.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,200.0                               | 90.07           | 179.73      | 9,469.0               | -12,220.2    | -86.2        | 12,220.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,300.0                               | 90.07           | 179.73      | 9,468.8               | -12,320.2    | -85.8        | 12,320.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,400.0                               | 90.07           | 179.73      | 9,468.7               | -12,420.2    | -85.3        | 12,420.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,500.0                               | 90.07           | 179.73      | 9,468.6               | -12,520.2    | -84.8        | 12,520.5                | 0.00                    | 0.00                   | 0.00                  |

## Concho Resources LLC

## Survey Report



|                  |                       |                                     |                                  |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site:</b>     | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Well:</b>     | KRAKEN ST COM #702H   | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OWB                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | PWP1                  | <b>Database:</b>                    | edm                              |

## 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 21,600.0              | 90.07           | 179.73      | 9,468.5               | -12,620.2    | -84.3        | 12,620.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,700.0              | 90.07           | 179.73      | 9,468.4               | -12,720.2    | -83.9        | 12,720.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,800.0              | 90.07           | 179.73      | 9,468.2               | -12,820.2    | -83.4        | 12,820.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,900.0              | 90.07           | 179.73      | 9,468.1               | -12,920.2    | -82.9        | 12,920.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,000.0              | 90.07           | 179.73      | 9,468.0               | -13,020.2    | -82.5        | 13,020.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,100.0              | 90.07           | 179.73      | 9,467.9               | -13,120.2    | -82.0        | 13,120.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,200.0              | 90.07           | 179.73      | 9,467.7               | -13,220.2    | -81.5        | 13,220.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,300.0              | 90.07           | 179.73      | 9,467.6               | -13,320.2    | -81.0        | 13,320.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,400.0              | 90.07           | 179.73      | 9,467.5               | -13,420.2    | -80.6        | 13,420.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,500.0              | 90.07           | 179.73      | 9,467.4               | -13,520.2    | -80.1        | 13,520.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,600.0              | 90.07           | 179.73      | 9,467.3               | -13,620.2    | -79.6        | 13,620.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,700.0              | 90.07           | 179.73      | 9,467.1               | -13,720.2    | -79.2        | 13,720.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,800.0              | 90.07           | 179.73      | 9,467.0               | -13,820.2    | -78.7        | 13,820.4                | 0.00                    | 0.00                   | 0.00                  |
| 22,900.0              | 90.07           | 179.73      | 9,466.9               | -13,920.2    | -78.2        | 13,920.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,000.0              | 90.07           | 179.73      | 9,466.8               | -14,020.2    | -77.8        | 14,020.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,100.0              | 90.07           | 179.73      | 9,466.7               | -14,120.2    | -77.3        | 14,120.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,200.0              | 90.07           | 179.73      | 9,466.5               | -14,220.2    | -76.8        | 14,220.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,300.0              | 90.07           | 179.73      | 9,466.4               | -14,320.2    | -76.3        | 14,320.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,400.0              | 90.07           | 179.73      | 9,466.3               | -14,420.2    | -75.9        | 14,420.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,500.0              | 90.07           | 179.73      | 9,466.2               | -14,520.2    | -75.4        | 14,520.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,600.0              | 90.07           | 179.73      | 9,466.0               | -14,620.2    | -74.9        | 14,620.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,700.0              | 90.07           | 179.73      | 9,465.9               | -14,720.2    | -74.5        | 14,720.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,800.0              | 90.07           | 179.73      | 9,465.8               | -14,820.2    | -74.0        | 14,820.4                | 0.00                    | 0.00                   | 0.00                  |
| 23,900.0              | 90.07           | 179.73      | 9,465.7               | -14,920.2    | -73.5        | 14,920.4                | 0.00                    | 0.00                   | 0.00                  |
| 24,000.0              | 90.07           | 179.73      | 9,465.6               | -15,020.2    | -73.0        | 15,020.4                | 0.00                    | 0.00                   | 0.00                  |
| 24,100.0              | 90.07           | 179.73      | 9,465.4               | -15,120.2    | -72.6        | 15,120.4                | 0.00                    | 0.00                   | 0.00                  |
| 24,200.0              | 90.07           | 179.73      | 9,465.3               | -15,220.2    | -72.1        | 15,220.4                | 0.00                    | 0.00                   | 0.00                  |
| 24,300.0              | 90.07           | 179.73      | 9,465.2               | -15,320.2    | -71.6        | 15,320.4                | 0.00                    | 0.00                   | 0.00                  |
| 24,400.0              | 90.07           | 179.73      | 9,465.1               | -15,420.2    | -71.2        | 15,420.3                | 0.00                    | 0.00                   | 0.00                  |
| 24,500.0              | 90.07           | 179.73      | 9,465.0               | -15,520.2    | -70.7        | 15,520.3                | 0.00                    | 0.00                   | 0.00                  |
| 24,600.0              | 90.07           | 179.73      | 9,464.8               | -15,620.2    | -70.2        | 15,620.3                | 0.00                    | 0.00                   | 0.00                  |
| 24,700.0              | 90.07           | 179.73      | 9,464.7               | -15,720.2    | -69.7        | 15,720.3                | 0.00                    | 0.00                   | 0.00                  |
| 24,800.0              | 90.07           | 179.73      | 9,464.6               | -15,820.2    | -69.3        | 15,820.3                | 0.00                    | 0.00                   | 0.00                  |
| 24,900.0              | 90.07           | 179.73      | 9,464.5               | -15,920.2    | -68.8        | 15,920.3                | 0.00                    | 0.00                   | 0.00                  |
| 25,000.0              | 90.07           | 179.73      | 9,464.3               | -16,020.2    | -68.3        | 16,020.3                | 0.00                    | 0.00                   | 0.00                  |
| 25,100.0              | 90.07           | 179.73      | 9,464.2               | -16,120.2    | -67.9        | 16,120.3                | 0.00                    | 0.00                   | 0.00                  |
| 25,200.0              | 90.07           | 179.73      | 9,464.1               | -16,220.2    | -67.4        | 16,220.3                | 0.00                    | 0.00                   | 0.00                  |
| 25,286.0              | 90.07           | 179.73      | 9,464.0               | -16,306.2    | -67.0        | 16,306.3                | 0.00                    | 0.00                   | 0.00                  |
| TD at 25286.0         |                 |             |                       |              |              |                         |                         |                        |                       |

## Concho Resources LLC

## Survey Report



|                  |                       |                                     |                                  |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST   | <b>Local Co-ordinate Reference:</b> | Well KRAKEN ST COM #702H         |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E) | <b>TVD Reference:</b>               | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Site:</b>     | KRAKEN ST COM PROJECT | <b>MD Reference:</b>                | KB=25' @ 2984.0usft (PIONEER 84) |
| <b>Well:</b>     | KRAKEN ST COM #702H   | <b>North Reference:</b>             | Grid                             |
| <b>Wellbore:</b> | OWB                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Design:</b>   | PWP1                  | <b>Database:</b>                    | edm                              |

## Design Targets

## Target Name

| - hit/miss target<br>- Shape                                                                                                             | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude        | Longitude        |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------------|------------------|
| PBHL (KRAKEN ST C<br>- plan hits target center<br>- Rectangle (sides W100.0 H5,108.0 D20.0)                                              | 0.07             | 359.74          | 9,464.0       | -16,306.2       | -67.0           | 376,769.42         | 576,394.59        | 32° 2' 8.211 N  | 104° 5' 12.480 W |
| LTP (KRAKEN ST CO<br>- plan misses target center by 0.7usft at 25156.0usft MD (9464.2 TVD, -16176.2 N, -67.6 E)<br>- Point               | 0.00             | 0.01            | 9,464.0       | -16,176.2       | -68.3           | 376,899.42         | 576,393.28        | 32° 2' 9.497 N  | 104° 5' 12.492 W |
| POI 2 (KRAKEN ST C<br>- plan hits target center<br>- Rectangle (sides W100.0 H5,294.0 D20.0)                                             | 0.07             | 359.98          | 9,470.2       | -11,201.3       | -91.0           | 381,874.37         | 576,370.57        | 32° 2' 58.733 N | 104° 5' 12.623 W |
| POI 1 (KRAKEN ST C<br>- plan hits target center<br>- Rectangle (sides W100.0 H5,341.0 D20.0)                                             | 0.07             | 358.92          | 9,477.0       | -5,901.1        | -91.2           | 387,174.55         | 576,370.40        | 32° 3' 51.186 N | 104° 5' 12.485 W |
| FTP (KRAKEN ST CC<br>- plan misses target center by 61.0usft at 9600.0usft MD (9453.0 TVD, -626.7 N, -142.2 E)<br>- Circle (radius 50.0) | 0.00             | 0.00            | 9,484.0       | -610.1          | -192.0          | 392,465.51         | 576,269.53        | 32° 4' 43.551 N | 104° 5' 13.517 W |

## Plan Annotations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                         |
|-----------------------------|-----------------------------|-------------------|-----------------|---------------------------------|
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                 |
| 5500                        | 5500                        | 0                 | 0               | Start Build 2.00                |
| 5784                        | 5783                        | -13               | -4              | Start 3285.9 hold at 5783.6 MD  |
| 9070                        | 9053                        | -324              | -100            | Start DLS 12.00 TFO -10.67      |
| 9774                        | 9484                        | -795              | -162            | Start DLS 2.00 TFO -89.93       |
| 10,155                      | 9484                        | -1176             | -180            | Start 4725.6 hold at 10155.2 MD |
| 14,881                      | 9477                        | -5901             | -91             | Start DLS 2.00 TFO 90.29        |
| 14,935                      | 9477                        | -5955             | -91             | Start 5246.0 hold at 14935.0 MD |
| 20,181                      | 9470                        | -11,201           | -91             | Start DLS 2.00 TFO -90.82       |
| 20,195                      | 9470                        | -11,215           | -91             | Start 5091.3 hold at 20194.7 MD |
| 25,286                      | 9464                        | -16,306           | -67             | TD at 25286.0                   |

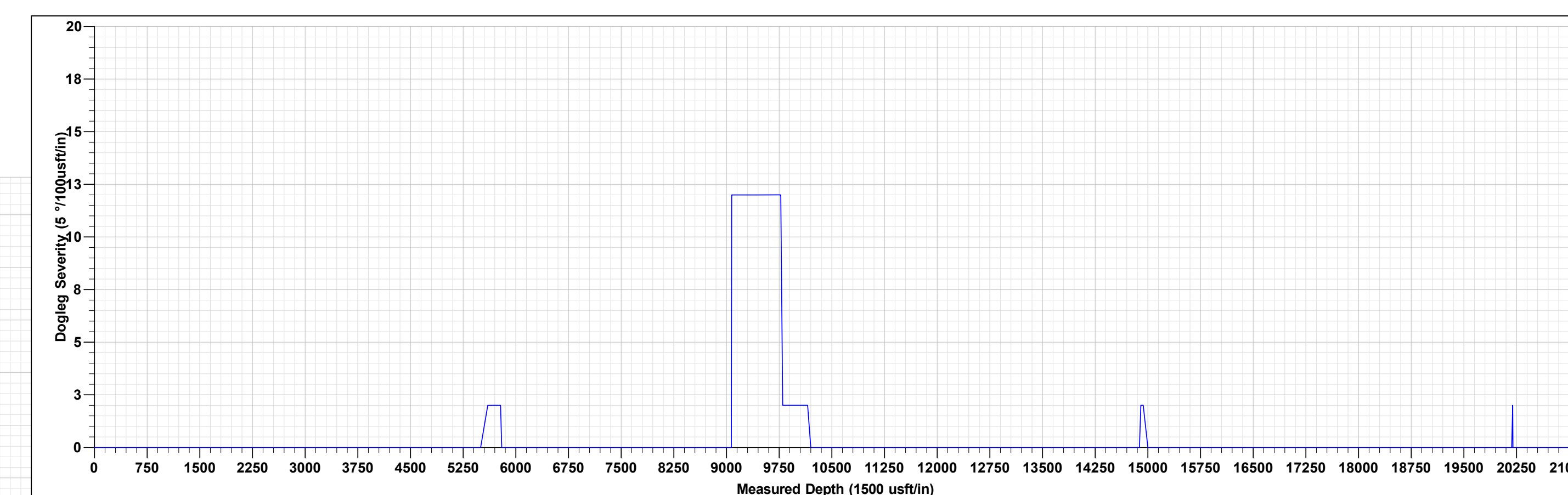
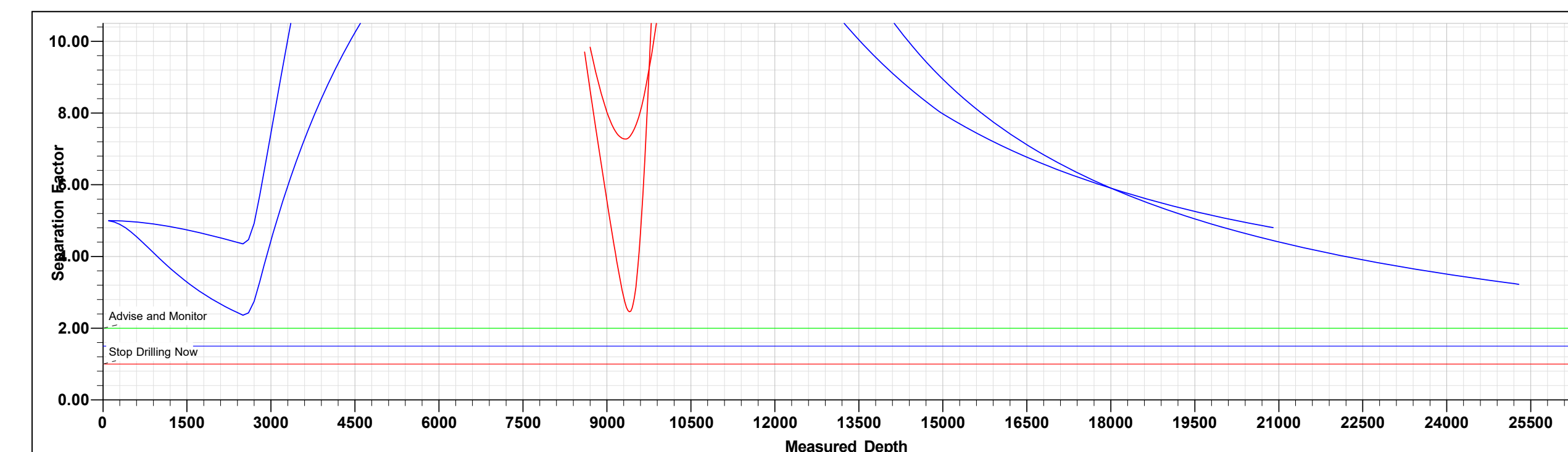
Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



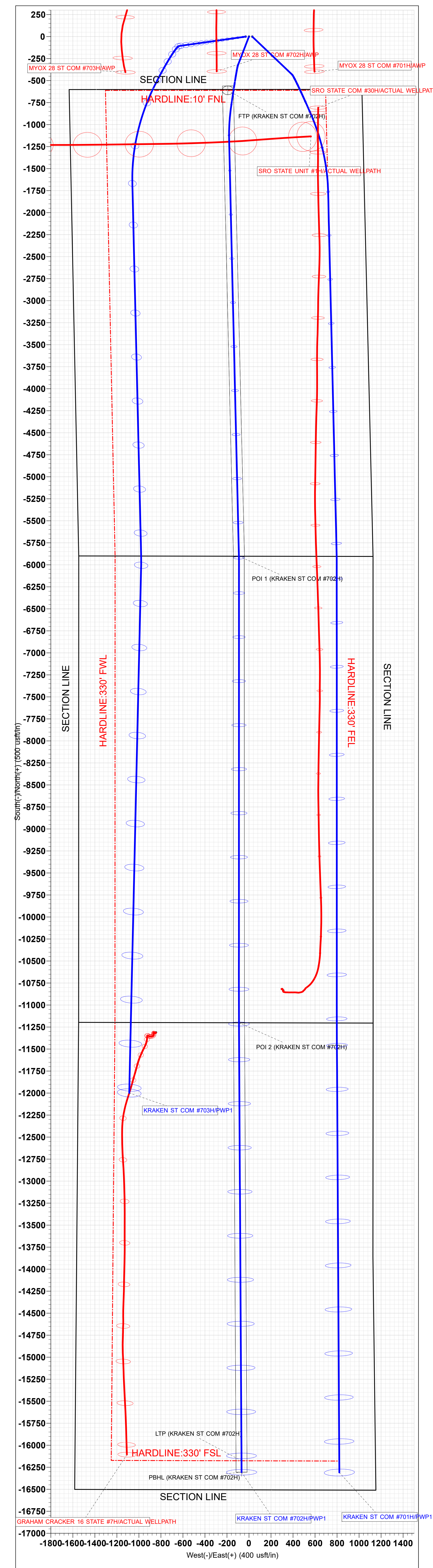
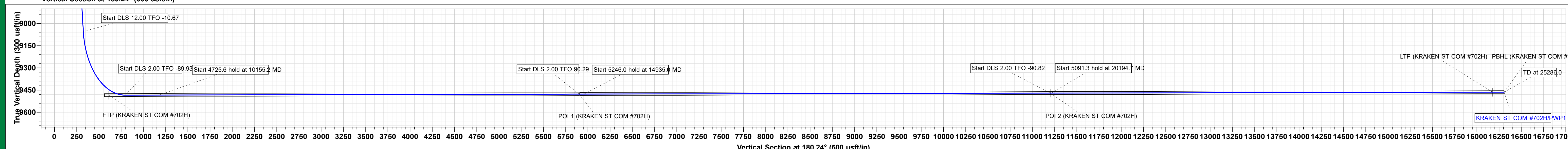
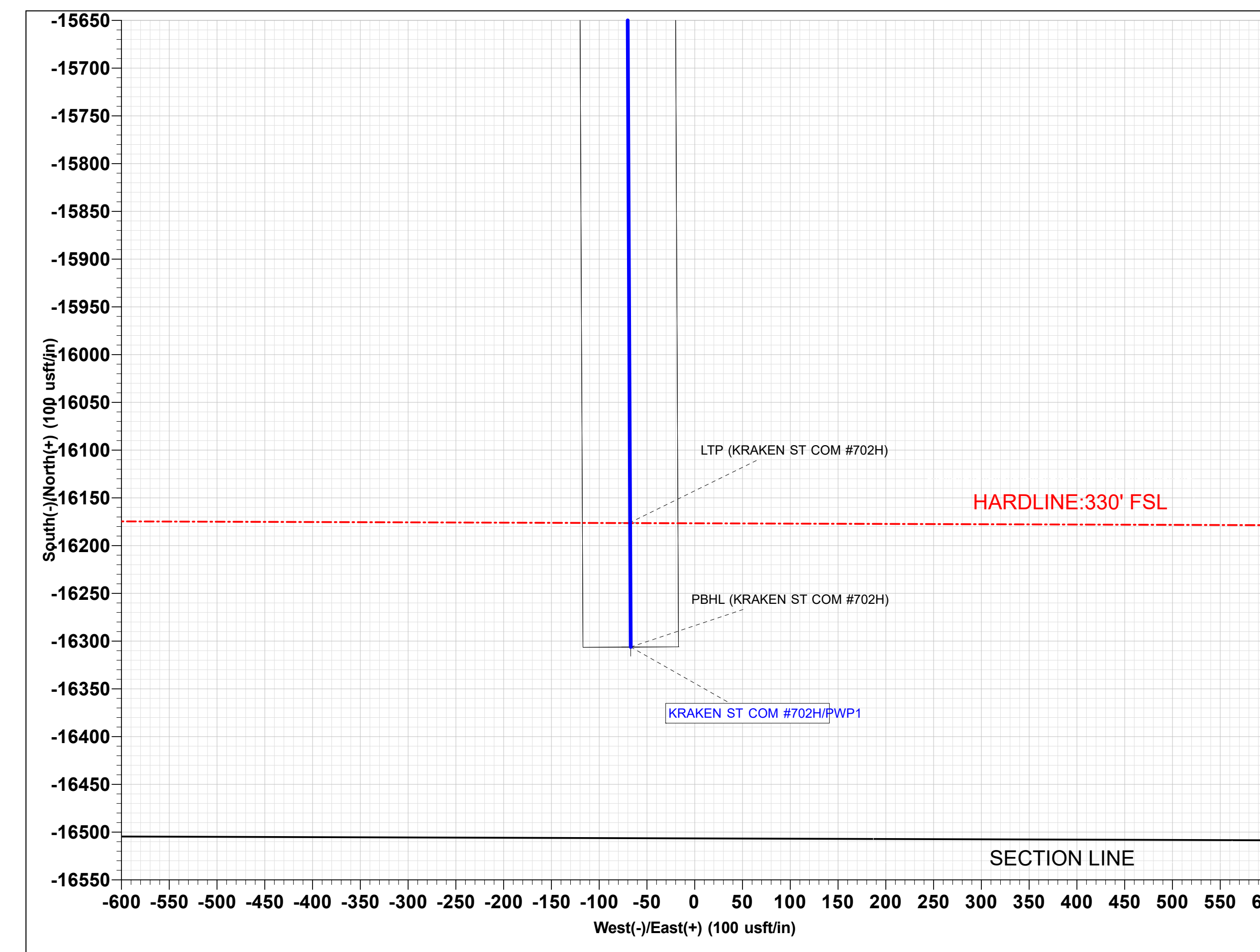
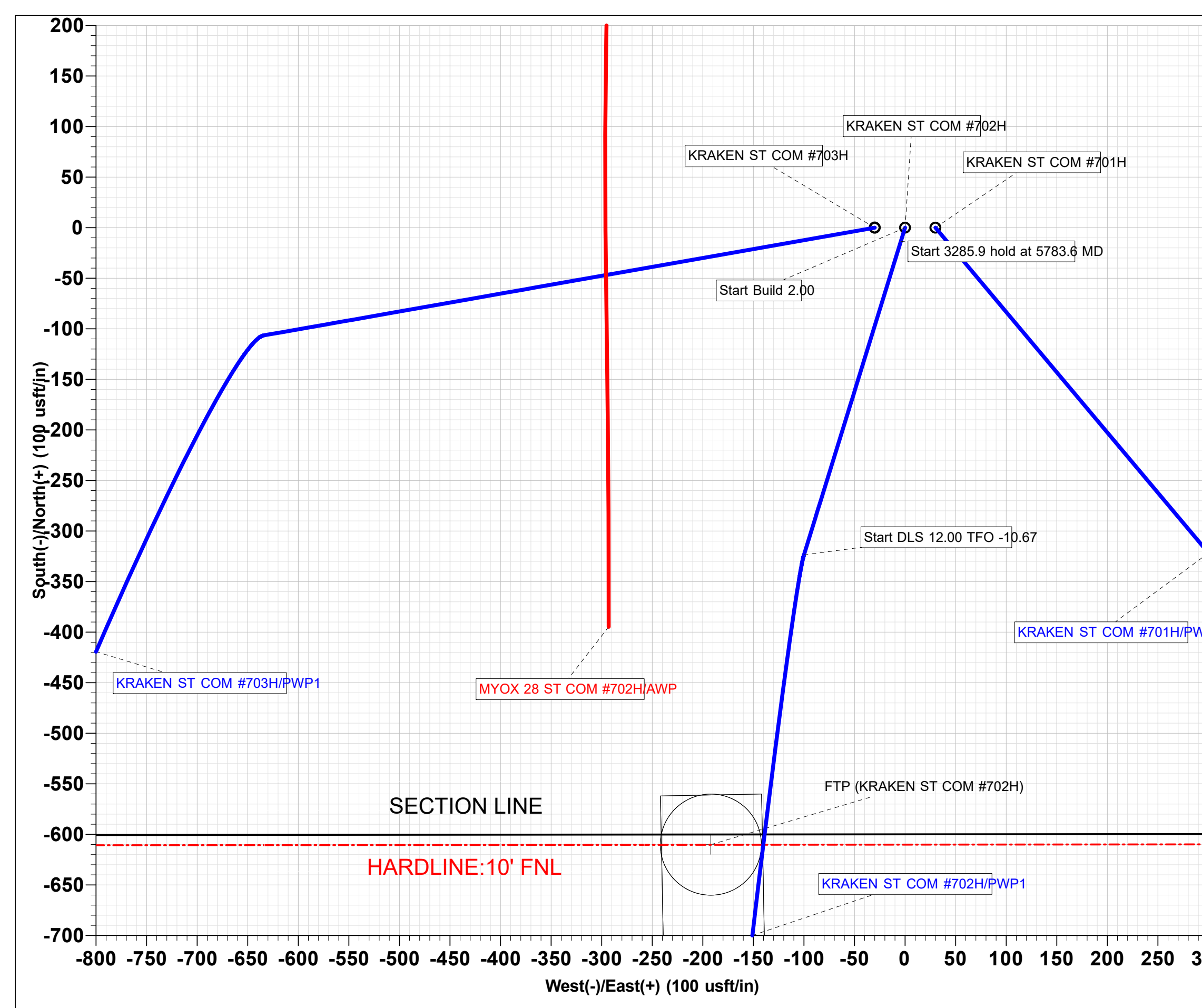
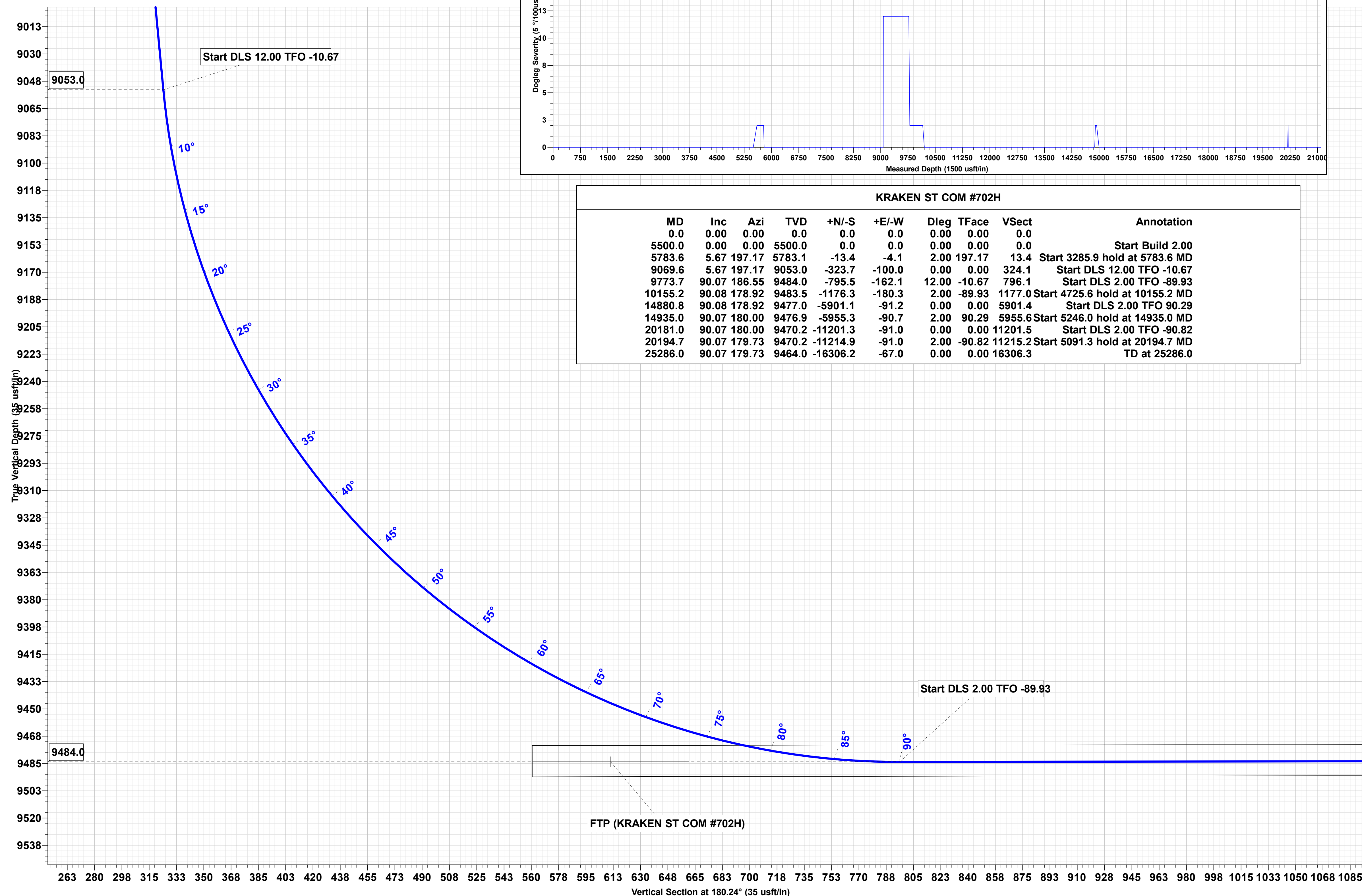
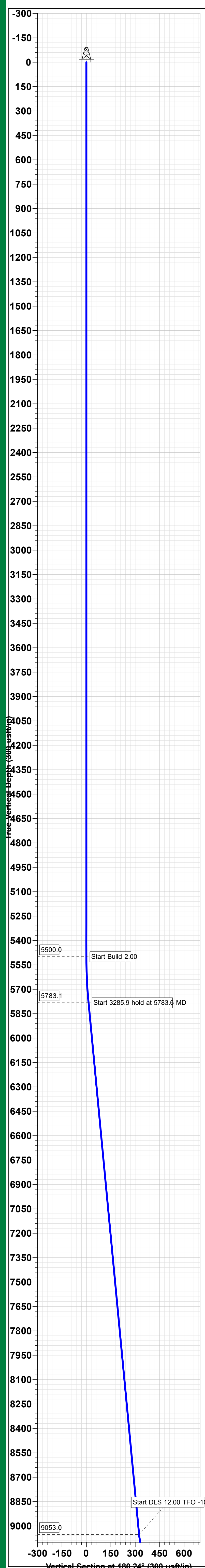
Project: ATLAS PROSPECT (NM-E)  
Site: KRAKEN ST COM PROJECT  
Well: KRAKEN ST COM #702H  
Wellbore: OWB  
Design: PWP1  
GL: 2959.0  
KB=25° @ 2984.0usft (PIONEER 84)

| WELL DETAILS: KRAKEN ST COM #702H |       |           |           |                 |                  |
|-----------------------------------|-------|-----------|-----------|-----------------|------------------|
| +N/-S                             | +E/-W | Northing  | Easting   | Latitude        | Longitude        |
| 0.0                               | 0.0   | 393075.62 | 576461.57 | 32° 4' 49.584 N | 104° 5' 11.268 W |

| DESIGN TARGET DETAILS           |       |          |        |           |           |                 |
|---------------------------------|-------|----------|--------|-----------|-----------|-----------------|
| Name                            | TVD   | +N/-S    | +E/-W  | Northing  | Easting   | Latitude        |
| LTP (KRAKEN ST COM #702H)PWP1   | 484.0 | -16176.2 | -68.3  | 376999.42 | 576393.28 | 32° 2' 5.497 N  |
| PBHL (KRAKEN ST COM #702H)PWP1  | 464.0 | -16306.2 | -67.0  | 376769.42 | 576394.59 | 32° 2' 8.211 N  |
| POI 1 (KRAKEN ST COM #702H)PWP1 | 470.2 | -11201.3 | -91.0  | 381874.37 | 576370.57 | 32° 2' 58.733 N |
| POI 2 (KRAKEN ST COM #702H)PWP1 | 477.0 | -5901.1  | -91.2  | 387174.56 | 576370.40 | 32° 3' 51.186 N |
| FTP (KRAKEN ST COM #702H)PWP1   | 484.0 | -610.1   | -192.0 | 392465.51 | 576269.53 | 32° 4' 43.551 N |



| KRAKEN ST COM #702H |       |        |        |          |        |       |        |         |                                 |
|---------------------|-------|--------|--------|----------|--------|-------|--------|---------|---------------------------------|
| MD                  | Inc   | Azi    | TVD    | +N/-S    | +E/-W  | Dleg  | TFace  | VSec    | Annotation                      |
| 0.0                 | 0.00  | 0.00   | 0.0    | 0.0      | 0.0    | 0.00  | 0.00   | 0.0     |                                 |
| 5500.0              | 0.00  | 0.00   | 5500.0 | 0.0      | 0.0    | 0.00  | 0.00   | 0.0     | Start Build 2.00                |
| 5783.6              | 5.67  | 197.17 | 5783.1 | -13.4    | -4.1   | 2.00  | 197.17 | 13.4    | Start 3285.9 hold at 5783.6 MD  |
| 9069.6              | 5.67  | 197.17 | 9053.0 | -323.7   | -100.0 | 0.00  | 0.00   | 324.1   | Start DLS 12.00 TFO -10.67      |
| 9773.7              | 90.07 | 186.55 | 9484.0 | -795.5   | -162.1 | 12.00 | -10.67 | 796.1   | Start DLS 2.00 TFO -89.93       |
| 10155.2             | 90.08 | 178.92 | 9483.5 | -1176.3  | -180.3 | 2.00  | -89.93 | 1177.0  | Start 4725.6 hold at 10155.2 MD |
| 14890.8             | 90.08 | 178.92 | 9477.0 | -5901.1  | -91.2  | 0.00  | 0.00   | 5901.4  | Start DLS 2.00 TFO 90.29        |
| 14935.0             | 90.07 | 180.00 | 9476.9 | -5955.3  | -90.7  | 2.00  | 90.29  | 5955.6  | Start 5246.0 hold at 14935.0 MD |
| 20181.0             | 90.07 | 180.00 | 9470.2 | -11201.3 | -91.0  | 0.00  | 0.00   | 11201.5 | Start DLS 2.00 TFO -90.82       |
| 20194.7             | 90.07 | 179.73 | 9470.2 | -11214.9 | -91.0  | 2.00  | -90.82 | 11215.2 | Start 5091.3 hold at 20194.7 MD |
| 25286.0             | 90.07 | 179.73 | 9464.0 | -16306.2 | -67.0  | 0.00  | 0.00   | 16306.3 | TD at 25286.0                   |



**COG OPERATING LLC**  
**HYDROGEN SULFIDE DRILLING OPERATIONS PLAN**

**1. HYDROGEN SULFIDE TRAINING**

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- a. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- a. The effects of H<sub>2</sub>S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- c. The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H<sub>2</sub>S zone (within 3 days or 500 feet) and weekly H<sub>2</sub>S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H<sub>2</sub>S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

**2. H<sub>2</sub>S SAFETY EQUIPMENT AND SYSTEMS**

Note: All H<sub>2</sub>S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H<sub>2</sub>S. If H<sub>2</sub>S greater than 100 ppm is encountered in the gas stream we will shut in and install H<sub>2</sub>S equipment.

- a. Well Control Equipment:
  - Flare line.
  - Choke manifold with remotely operated choke.
  - Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
  - Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

- b. Protective equipment for essential personnel:  
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
- c. H2S detection and monitoring equipment:  
2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
- d. Visual warning systems:  
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.
- e. Mud Program:  
The mud program has been designed to minimize the volume of H2S circulated to the surface.
- f. Metallurgy:  
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.
- g. Communication:  
Company vehicles equipped with cellular telephone.

COG OPERATING LLC has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore, we do not believe that an H2S contingency plan is necessary.

# **W A R N I N G**

**YOU ARE ENTERING AN H<sub>2</sub>S AREA  
AUTHORIZED PERSONNEL ONLY**

- 1. BEARDS OR CONTACT LENSES NOT ALLOWED***
- 2. HARD HATS REQUIRED***
- 3. SMOKING IN DESIGNATED AREAS ONLY***
- 4. BE WIND CONSCIOUS AT ALL TIMES***
- 5. CK WITH COG OPERATING LLC FOREMAN AT MAIN OFFICE***

**COG OPERATING LLC**

**1-575-748-6940**

## **EMERGENCY CALL LIST**

|                          | <b><u>OFFICE</u></b> | <b><u>MOBILE</u></b> |
|--------------------------|----------------------|----------------------|
| COG OPERATING LLC OFFICE | 575-748-6940         |                      |
| SETH WILD                | 432-683-7443         | 432-528-3633         |
| WALTER ROYE              | 575-748-6940         | 432-934-1886         |

## **EMERGENCY RESPONSE NUMBERS**

|                                                  | <b><u>OFFICE</u></b> |
|--------------------------------------------------|----------------------|
| STATE POLICE                                     | 575-748-9718         |
| EDDY COUNTY SHERIFF                              | 575-746-2701         |
| EMERGENCY MEDICAL SERVICES (AMBULANCE)           | 911 or 575-746-2701  |
| EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS) | 575-887-9511         |
| STATE EMERGENCY RESPONSE CENTER (SERC)           | 575-476-9620         |
| CARLSBAD POLICE DEPARTMENT                       | 575-885-2111         |
| CARLSBAD FIRE DEPARTMENT                         | 575-885-3125         |
| NEW MEXICO OIL CONSERVATION DIVISION             | 575-748-1283         |
| INDIAN FIRE & SAFETY                             | 800-530-8693         |
| HALLIBURTON SERVICES                             | 800-844-8451         |