

Form 3160-3  
(June 2015)FORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

|                                                                                                                                                                                                                                                                                                                                                                |                                       |                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1a. Type of work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER<br>1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other<br>1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone |                                       | 5. Lease Serial No.<br><br>6. If Indian, Allottee or Tribe Name<br><br>7. If Unit or CA Agreement, Name and No.<br><br>8. Lease Name and Well No. |
| 2. Name of Operator                                                                                                                                                                                                                                                                                                                                            |                                       | 9. API Well No.<br><b>30 015 48791</b>                                                                                                            |
| 3a. Address                                                                                                                                                                                                                                                                                                                                                    | 3b. Phone No. (include area code)     | 10. Field and Pool, or Exploratory                                                                                                                |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface<br>At proposed prod. zone                                                                                                                                                                                                                         |                                       | 11. Sec., T. R. M. or Blk. and Survey or Area                                                                                                     |
| 14. Distance in miles and direction from nearest town or post office*                                                                                                                                                                                                                                                                                          |                                       | 12. County or Parish                                                                                                                              |
| 13. State                                                                                                                                                                                                                                                                                                                                                      |                                       |                                                                                                                                                   |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)                                                                                                                                                                                                                                          | 16. No of acres in lease              | 17. Spacing Unit dedicated to this well                                                                                                           |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.                                                                                                                                                                                                                                                     | 19. Proposed Depth                    | 20. BLM/BIA Bond No. in file                                                                                                                      |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)                                                                                                                                                                                                                                                                                                            | 22. Approximate date work will start* | 23. Estimated duration                                                                                                                            |
| 24. Attachments                                                                                                                                                                                                                                                                                                                                                |                                       |                                                                                                                                                   |

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- |                                                                                                                                                                                                                           |                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor.<br>2. A Drilling Plan.<br>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).<br>5. Operator certification.<br>6. Such other site specific information and/or plans as may be requested by the BLM. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                         |                      |      |
|-------------------------|----------------------|------|
| 25. Signature           | Name (Printed/Typed) | Date |
| Title                   |                      |      |
| Approved by (Signature) | Name (Printed/Typed) | Date |
| Title                   |                      |      |
| Office                  |                      |      |

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)



Approval Date: 07/20/2021

## Additional Operator Remarks

### Location of Well

0. SHL: SWSE / 311 FSL / 1570 FEL / TWSP: 25S / RANGE: 29E / SECTION: 28 / LAT: 32.094407 / LONG: -103.985749 ( TVD: 0 feet, MD: 0 feet )

PPP: SENE / 2639 FNL / 330 FEL / TWSP: 25S / RANGE: 29E / SECTION: 28 / LAT: 32.100851 / LONG: -103.981786 ( TVD: 0 feet, MD: 0 feet )

PPP: SESE / 330 FSL / 330 FEL / TWSP: 25S / RANGE: 29E / SECTION: 28 / LAT: 32.094463 / LONG: -103.981745 ( TVD: 0 feet, MD: 0 feet )

BHL: NENE / 200 FNL / 330 FEL / TWSP: 25S / RANGE: 29E / SECTION: 21 / LAT: 32.122191 / LONG: -103.981923 ( TVD: 0 feet, MD: 0 feet )

### BLM Point of Contact

Name: PAMELLA HERNANDEZ

Title: LIE

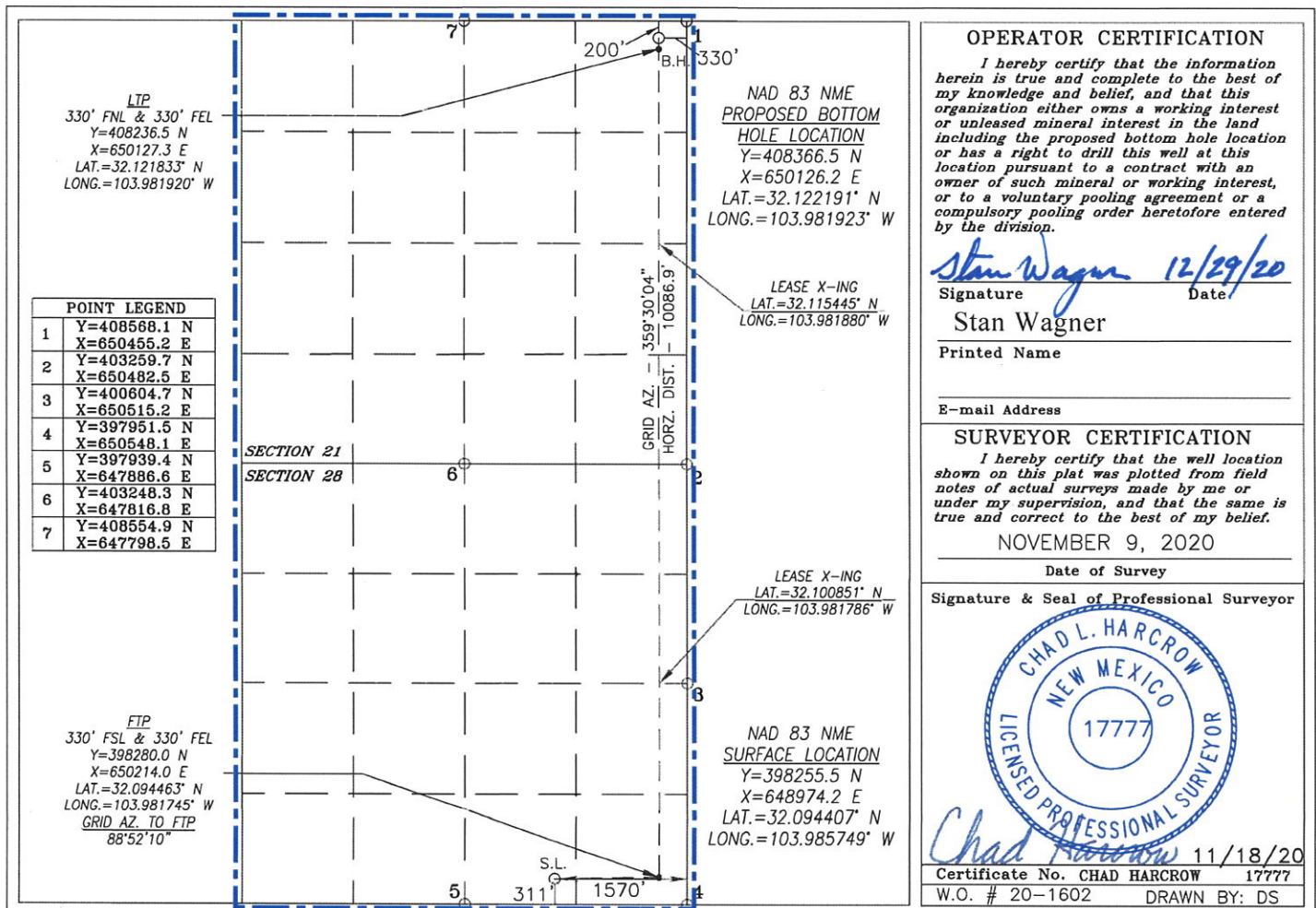
Phone: (575) 234-5954

Email: PHERANDEZ@BLM.GOV

CONFIDENTIAL

**DISTRICT IV**  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

Submit one copy to appropriate  
District Office



Intent ☒ As Drilled ☐

|                                     |                                       |                     |
|-------------------------------------|---------------------------------------|---------------------|
| API #<br>30-015                     |                                       |                     |
| Operator Name:<br>COG Operating LLC | Property Name:<br>Admiral Federal Com | Well Number<br>803H |

## Kick Off Point (KOP)

|          |               |                 |              |     |           |          |      |          |                |
|----------|---------------|-----------------|--------------|-----|-----------|----------|------|----------|----------------|
| UL<br>O  | Section<br>28 | Township<br>25S | Range<br>29E | Lot | Feet      | From N/S | Feet | From E/W | County<br>Eddy |
| Latitude |               |                 |              |     | Longitude |          |      |          | NAD<br>83      |

## First Take Point (FTP)

|                       |               |                 |              |     |                          |                   |             |                  |                |
|-----------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|-------------|------------------|----------------|
| UL<br>P               | Section<br>28 | Township<br>25S | Range<br>29E | Lot | Feet<br>330              | From N/S<br>South | Feet<br>330 | From E/W<br>East | County<br>Eddy |
| Latitude<br>32.094463 |               |                 |              |     | Longitude<br>-103.981745 |                   |             |                  | NAD<br>83      |

## Last Take Point (LTP)

|                       |               |                 |              |     |                          |                   |             |                  |                |
|-----------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|-------------|------------------|----------------|
| UL<br>A               | Section<br>21 | Township<br>25S | Range<br>29E | Lot | Feet<br>330              | From N/S<br>North | Feet<br>330 | From E/W<br>East | County<br>Eddy |
| Latitude<br>32.121833 |               |                 |              |     | Longitude<br>-103.981920 |                   |             |                  | NAD<br>83      |

Is this well the defining well for the Horizontal Spacing Unit? ☐ NoIs 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 #<br>30-015-                    |                                       |                     |
| Operator Name:<br>COG Operating LLC | Property Name:<br>Admiral Federal Com | Well Number<br>704H |

KZ 06/29/2018

State of New Mexico  
Energy, Minerals and Natural Resources Department

Submit Electronically  
Via E-permitting

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

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

### Section 1 – Plan Description

Effective May 25, 2021

**I. Operator:** COG Operating LLC

**OGRID:** 239137

**Date:** 11/30/2020

**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: \_\_\_\_\_

**III. Well(s):** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name                | API     | ULSTR        | Footages           | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
|--------------------------|---------|--------------|--------------------|-----------------------|-----------------------|----------------------------------|
| Admiral Federal Com 801H | 30-015- | O-28-25S-29E | 311 FSL & 1480 FEL | ± 780                 | ± 8000                | ± 5558                           |
| Admiral Federal Com 802H | 30-015- | O-28-25S-29E | 311 FSL & 1510 FEL | ± 1283                | ± 8000                | ± 2220                           |
| Admiral Federal Com 803H | 30-015- | O-28-25S-29E | 311 FSL & 1540 FEL | ± 780                 | ± 8000                | ± 5558                           |

**IV. Central Delivery Point Name:** Admiral Fed Com CTB B 814 FSL & 1005 FEL 28-25S-29E [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name                               | API     | Spud Date   | TD Reached Date     | Completion Commencement Date | Initial Flow Back Date | First Production Date |
|-----------------------------------------|---------|-------------|---------------------|------------------------------|------------------------|-----------------------|
| Admiral Federal Com<br>801H, 802H, 803H | Pending | ± 10/1/2022 | ± 25 days from spud | TBD                          | TBD                    | TBD                   |

**VI. Separation Equipment:** ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

## **Section 2 – Enhanced Plan**

### **EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

#### **IX. Anticipated Natural Gas Production:**

| Well | API | Anticipated Average Natural Gas Rate MCF/D | Anticipated Volume of Natural Gas for the First Year MCF |
|------|-----|--------------------------------------------|----------------------------------------------------------|
|      |     |                                            |                                                          |
|      |     |                                            |                                                          |

#### **X. Natural Gas Gathering System (NGGS):**

| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Maximum Daily Capacity of System Segment Tie-in |
|----------|--------|-----------------|----------------------------------|-----------------------------------------------------------|
|          |        |                 |                                  |                                                           |
|          |        |                 |                                  |                                                           |

**XI. Map.** ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

**XII. Line Capacity.** The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII. Line Pressure.** Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:** ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

### **Section 3 - Certifications**

**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

***If Operator checks this box, Operator will select one of the following:***

**Well Shut-In.** ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

**Venting and Flaring Plan.** ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

### **Section 4 - Notices**

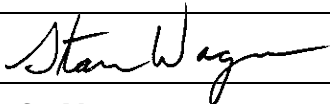
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| Signature:      |
| Printed Name: Stan Wagner                                                                        |
| Title: Regulatory Advisor                                                                        |
| E-mail Address: stan.s.wagner@conocophillips.com                                                 |
| Date: 07/22/2021                                                                                 |
| Phone: 432-253-9685                                                                              |
| <b>OIL CONSERVATION DIVISION</b><br><b>(Only applicable when submitted as a standalone form)</b> |
| Approved By:                                                                                     |
| Title:                                                                                           |
| Approval Date:                                                                                   |
| Conditions of Approval:                                                                          |

## VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

All ConocoPhillips production facility equipment will be sized per industry standards (API 12J) with adequate retention time to effectively separate all phases of production. Each project will take into consideration the number of wells and type curves for each formation pool to ensure adequate facility capacity. Design considerations will also include review of all piping, tanks, VRU's and associated equipment to ensure optimized gas capture minimized risk of release.

## VII. Operational Practices

Actions Operator will take to comply with the requirements below:

### B. Drilling Operations

- During drilling, flare stacks will be located a minimum of 100 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety, and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.

### C. Completion Operations

- During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
- Individual well test separators will be set to properly separate gas and liquids. A temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline.

### D. Venting and flaring during production operations

- During each phase of well life (drilling, completion and production) of a ConocoPhillips well, COP personnel will follow all necessary procedures to ensure both the operation and the equipment are within the NMAC 19.15.27.8 Subsection D guidelines.
- During well operations that require unloading of the well to atmospheric pressure, all reasonable actions will be taken to minimize vented gas
- Through the life of the well all flaring shall be measured, and venting events quantified using the data available and industry best practice.

### E. Performance standards for separation, storage tank and flare equipment

- All storage tanks and separation equipment are designed minimize risk of liquid or vapor release and optimize gas capture. This includes automation for automatic gauging and pressure monitoring.

- All flare stacks are equipped with auto ignition devices and/or continuous pilots and are designed to operate at maximum combustion efficiency pursuant NMAC 19.15.27.8 Subsection E. Flares will follow COP spacing guidelines to ensure they are a safe distance from combustibles and operations equipment.
- COP personnel will conduct routine AVO inspections on a regular basis per NMAC 19.15.27.8 Subsection E guidelines.

F. Measurement of vented and flared natural gas.

- Measurement equipment will be installed to quantify gas flared during drilling, completion and production of the well.
- All measurement devices installed will meet accuracy ratings per AGA and API standards.
- Measurement devices will be installed without manifolds that allow diversion of gas around the metering element, except for the sole purpose of inspection of servicing the measurement device.

**VIII. Best Management Practices**

- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared.
- During completions and production operations Operator will minimize blowdowns to atmosphere
- When feasible, Operator will use electric or air actuated equipment to reduce bleed emissions

## COG Operating, LLC - Admiral Federal Com #803H

## 1. Geologic Formations

|               |             |                               |      |
|---------------|-------------|-------------------------------|------|
| TVD of target | 11,055' EOL | Pilot hole depth              | NA   |
| MD at TD:     | 21,166'     | Deepest expected fresh water: | 200' |

| Formation            | Depth (TVD)<br>from KB | Water/Mineral Bearing/<br>Target Zone? | Hazards* |
|----------------------|------------------------|----------------------------------------|----------|
| Quaternary Fill      | Surface                | Water                                  |          |
| Rustler              | 623                    | Water                                  |          |
| Top of Salt          | 795                    | Salt                                   |          |
| Base of Salt         | 2795                   | Salt                                   |          |
| Lamar                | 2976                   | Salt Water                             |          |
| Bell Canyon          | 3020                   | Salt Water                             |          |
| Brushy Canyon        | 5146                   | Oil/Gas                                |          |
| Bone Spring Lime     | 6740                   | Oil/Gas                                |          |
| 1st Bone Spring Sand | 7654                   | Oil/Gas                                |          |
| 2nd Bone Spring Sand | 8320                   | Oil/Gas                                |          |
| 3rd Bone Spring Sand | 9581                   | Oil/Gas                                |          |
| Wolfcamp             | 9940                   | Oil/Gas                                |          |
| Wolfcamp B           | 10412                  | Oil/Gas                                |          |
| Wolfcamp C           | 10540                  | Oil/Gas                                |          |
| Wolfcamp D           | 10970                  | Target Oil/Gas                         |          |

## 2. Casing Program

| Hole<br>Size              | Casing<br>Interval |        | Csg.<br>Size | Weight<br>(lbs) | Grade      | Conn.     | SF<br>Collapse | SF<br>Burst | SF<br>Body         | SF<br>Joint        |
|---------------------------|--------------------|--------|--------------|-----------------|------------|-----------|----------------|-------------|--------------------|--------------------|
|                           | From               | To     |              |                 |            |           |                |             |                    |                    |
| 14.75"                    | 0                  | 745    | 10.75"       | 45.5            | N80        | BTC       | 7.41           | 1.58        | 30.68              | 32.36              |
| 9.875"                    | 0                  | 8500   | 7.625"       | 29.7            | HCL80      | BTC       | 1.50           | 1.26        | 2.88               | 2.90               |
| 8.750"                    | 8500               | 10455  | 7.625"       | 29.7            | HCP<br>110 | TL-FJ     | 1.38           | 1.31        | 3.03               | 2.12               |
| 6.75"                     | 0                  | 10255  | 5.5"         | 23              | P110       | BTC       | 2.11           | 2.51        | 2.87               | 2.85               |
| 6.75"                     | 10255              | 21,166 | 5.5"         | 23              | P110       | Talon HTQ | 2.11           | 2.51        | 2.87               | 2.78               |
| BLM Minimum Safety Factor |                    |        |              |                 |            |           | 1.125          | 1           | 1.6 Dry<br>1.8 Wet | 1.6 Dry<br>1.8 Wet |

Intermediate casing will be kept at least 1/3 full while running casing to mitigate collapse. Intermediate burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface.

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

## COG Operating, LLC - Admiral Federal Com #803H

|                                                                                                                                                  | Y or N |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Is casing new? If used, attach certification as required in Onshore Order #1                                                                     | Y      |
| Does casing meet API specifications? If no, attach casing specification sheet.                                                                   | Y      |
| Is premium or uncommon casing planned? If yes attach casing specification sheet.                                                                 | N      |
| Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria). | Y      |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?                | Y      |
|                                                                                                                                                  |        |
| Is well located within Capitan Reef?                                                                                                             | N      |
| If yes, does production casing cement tie back a minimum of 50' above the Reef?                                                                  |        |
| Is well within the designated 4 string boundary?                                                                                                 |        |
|                                                                                                                                                  |        |
| Is well located in SOPA but not in R-111-P?                                                                                                      | N      |
| If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?                       |        |
|                                                                                                                                                  |        |
| Is well located in R-111-P and SOPA?                                                                                                             | N      |
| If yes, are the first three strings cemented to surface?                                                                                         |        |
| Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?                                                                               |        |
|                                                                                                                                                  |        |
| Is well located in high Cave/Karst?                                                                                                              | N      |
| If yes, are there two strings cemented to surface?                                                                                               |        |
| (For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?                                                           |        |
|                                                                                                                                                  |        |
| Is well located in critical Cave/Karst?                                                                                                          | N      |
| If yes, are there three strings cemented to surface?                                                                                             |        |

## COG Operating, LLC - Admiral Federal Com #803H

## 3. Cementing Program

| Casing   | # Sks | Wt. lb/<br>gal | Yld ft <sup>3</sup> /<br>sack | H <sub>2</sub> O gal/sk | 500# Comp.<br>Strength<br>(hours) | Slurry Description                   |
|----------|-------|----------------|-------------------------------|-------------------------|-----------------------------------|--------------------------------------|
| Surf.    | 260   | 13.5           | 1.75                          | 9                       | 12                                | Lead: Class C + 4% Gel               |
|          | 250   | 14.8           | 1.34                          | 6.34                    | 8                                 | Tail: Class C + 2% CaCl <sub>2</sub> |
| Inter.   | 1400  | 11             | 2.8                           | 19                      | 48                                | Lead: NeoCem                         |
|          | 300   | 16.4           | 1.1                           | 5                       | 8                                 | Tail: Class H                        |
| 5.5 Prod | 750   | 12.7           | 2                             | 10.6                    | 16                                | Lead: 35:65:6 H Blend                |
|          | 1200  | 14.4           | 1.24                          | 5.7                     | 19                                | Tail: 50:50:2 Class H Blend          |

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results

Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

| Casing String                | TOC    | % Excess |
|------------------------------|--------|----------|
| Surface                      | 0'     | 50%      |
| 1 <sup>st</sup> Intermediate | 0'     | 50%      |
| Production                   | 8,000' | 35%      |

## COG Operating, LLC - Admiral Federal Com #803H

## 4. Pressure Control Equipment

|   |                                                                                                         |
|---|---------------------------------------------------------------------------------------------------------|
| N | A variance is requested for the use of a diverter on the surface casing.<br>See attached for schematic. |
|---|---------------------------------------------------------------------------------------------------------|

| BOP installed and tested before drilling which hole? | Size?   | Min. Required WP | Type       | x | Tested to: |
|------------------------------------------------------|---------|------------------|------------|---|------------|
| 12-1/4"                                              | 13-5/8" | 3M               | Annular    | x | 2500 psi   |
|                                                      |         |                  | Blind Ram  |   | 3M         |
|                                                      |         |                  | Pipe Ram   | x |            |
|                                                      |         |                  | Double Ram | x |            |
|                                                      |         |                  | Other*     |   |            |
| 8 1/2"                                               | 13-5/8" | 5M               | 5M Annular | x | 2500 psi   |
|                                                      |         |                  | Blind Ram  |   | 5M         |
|                                                      |         |                  | Pipe Ram   | x |            |
|                                                      |         |                  | Double Ram | x |            |
|                                                      |         |                  | Other*     |   |            |

BOP and BOPE will be installed per Onshore Order #2 requirements prior to drilling below the surface casing and will be rated to the above pressure rating or greater, see attached diagrams. Required safety valves, with appropriate wrenches and subs for the drill string being utilized, will be in the open position and accessible on the rig floor.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valves (inside BOP and full-opening valve) with appropriate wrenches and choke lines and choke manifold. See attached schematics.

|   |                                                                                                                                                                                                                                                                                                               |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y | Formation integrity test will be performed per Onshore Order #2.<br>On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i. |
| Y | A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.                                                                                                                                                               |
| N | Are anchors required by manufacturer?                                                                                                                                                                                                                                                                         |
| Y | A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.                                            |

## COG Operating, LLC - Admiral Federal Com #803H

## 5. Mud Program

| Depth    |            | Type              | Weight (ppg) | Viscosity | Water Loss |
|----------|------------|-------------------|--------------|-----------|------------|
| From     | To         |                   |              |           |            |
| 0        | Surf. Shoe | FW Gel            | 8.4 - 8.6    | 28-29     | N/C        |
| Surf csg | Int shoe   | Diesel Brine Emul | 8.6 - 9.4    | 30-40     | N/C        |
| Int shoe | Lateral TD | OBM               | 10.5 - 12    | 30-40     | 20         |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

|                                                         |                             |
|---------------------------------------------------------|-----------------------------|
| What will be used to monitor the loss or gain of fluid? | PVT/Pason/Visual Monitoring |
|---------------------------------------------------------|-----------------------------|

## 6. Logging and Testing Procedures

| Logging, Coring and Testing. |                                                                                                                                                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Y                            | Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM. |
| N                            | Are Logs are planned based on well control or offset log information.                                                                                       |
| N                            | Drill stem test? If yes, explain.                                                                                                                           |
| N                            | Coring? If yes, explain.                                                                                                                                    |

| Additional logs planned |             | Interval                                                   |
|-------------------------|-------------|------------------------------------------------------------|
| N                       | Resistivity | Pilot Hole TD to ICP                                       |
| N                       | Density     | Pilot Hole TD to ICP                                       |
| Y                       | CBL         | Production casing<br>(If cement not circulated to surface) |
| Y                       | Mud log     | Intermediate shoe to TD                                    |
| N                       | PEX         |                                                            |

**COG Operating, LLC - Admiral Federal Com #803H****7. Drilling Conditions**

| Condition                  | Specify what type and where? |
|----------------------------|------------------------------|
| BH Pressure at deepest TVD | 6900 psi at 11055' TVD       |
| Abnormal Temperature       | NO 165 Deg. F.               |

No abnormal pressure or temperature conditions are anticipated. Sufficient mud materials to maintain mud properties and weight increase requirements will be kept on location at all times.

Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

|                                                                                                                                                                                                                                                                                                                                                              |                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Hydrogen Sulfide (H <sub>2</sub> S) monitors will be installed prior to drilling out the surface shoe. If H <sub>2</sub> S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM. |                                |
| N                                                                                                                                                                                                                                                                                                                                                            | H <sub>2</sub> S is present    |
| Y                                                                                                                                                                                                                                                                                                                                                            | H <sub>2</sub> S Plan attached |

**8. Other Facets of Operation**

|   |                            |
|---|----------------------------|
| Y | Is it a walking operation? |
| Y | Is casing pre-set?         |

|   |                         |
|---|-------------------------|
| x | H <sub>2</sub> S Plan.  |
| x | BOP & Choke Schematics. |
| x | Directional Plan        |
| x | 5M Annular Variance     |

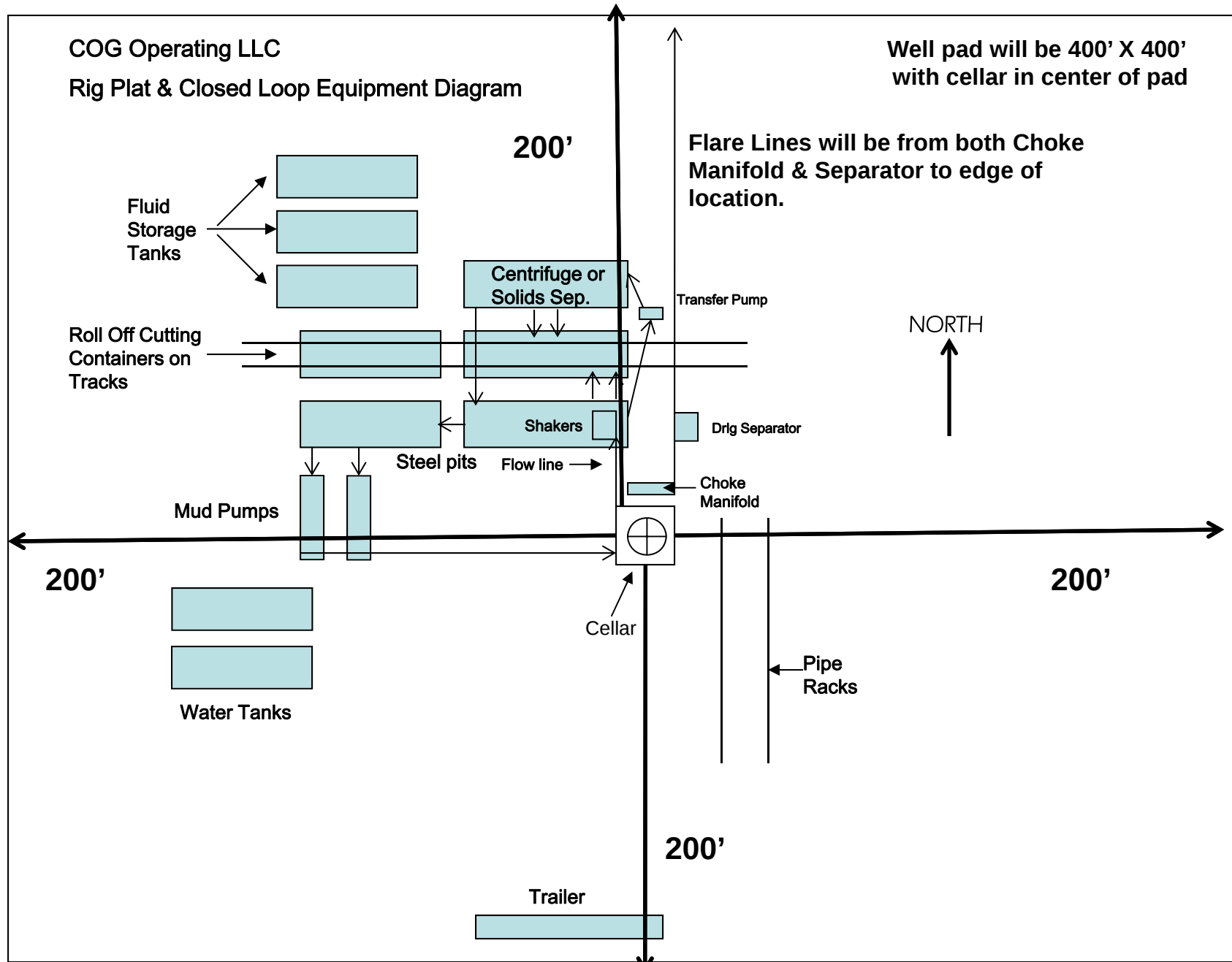


Exhibit 1

"I further certify that COG will comply with Rule 19.15.17 NMAC by using a Closed Loop System."

# **DELAWARE BASIN WEST**

**ATLAS PROSPECT (NM-E)**

**ADMIRAL FEDERAL PROJECT (ATLAS 2529)**

**ADMIRAL FEDERAL COM #803H**

**OWB**

**PWP1**

## **Anticollision Report**

**14 December, 2020**

## Concho Resources LLC

## Anticollision Report

|                           |                                      |                                     |                                |
|---------------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>           | DELAWARE BASIN WEST                  | <b>Local Co-ordinate Reference:</b> | Well ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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                    | PWP1                                                                |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | Stations                                                            | Error Model:   | ISCWSA              |
| Depth Range:                 | Unlimited                                                           | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Maximum ellipse separation of 2,000.0 usft                          | Error Surface: | Pedal Curve         |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          | Casing Method: | Not applied         |

| Survey Tool Program |           | Date              | 12/10/2020          |                                    |  |
|---------------------|-----------|-------------------|---------------------|------------------------------------|--|
| From (usft)         | To (usft) | Survey (Wellbore) | Tool Name           | Description                        |  |
| 0.0                 | 10,606.0  | PWP1 (OWB)        | Standard Keeper 104 | Standard Wireline Keeper ver 1.0.4 |  |
| 10,606.0            | 21,166.2  | 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               |                                 |                              |                                 |                                  |                   |            |
| ADMIRAL FEDERAL PROJECT (ATLAS 2529)          |                                 |                              |                                 |                                  |                   |            |
| ADMIRAL FED COM #2H - LATERAL 01 - AWP-LAT 01 | 6,712.1                         | 6,705.9                      | 54.9                            | 42.9                             | 4.573             | CC, ES     |
| ADMIRAL FED COM #2H - LATERAL 01 - AWP-LAT 01 | 6,900.0                         | 6,892.9                      | 57.6                            | 44.6                             | 4.454             | SF         |
| ADMIRAL FED COM #2H - OWB-PILOT HOLE - AWP-P  | 6,712.1                         | 6,705.9                      | 54.9                            | 42.9                             | 4.573             | CC, ES     |
| ADMIRAL FED COM #2H - OWB-PILOT HOLE - AWP-P  | 6,900.0                         | 6,892.9                      | 57.6                            | 44.6                             | 4.454             | SF         |
| ADMIRAL FEDERAL COM #801H - OWB - PWP1        | 2,500.0                         | 2,499.3                      | 60.0                            | 53.1                             | 8.698             | CC, ES, SF |
| ADMIRAL FEDERAL COM #802H - OWB - PWP1        | 2,500.0                         | 2,499.6                      | 30.0                            | 23.1                             | 4.349             | CC, ES, SF |
| ADMIRAL FEDERAL COM 504H - OWB - AWP          | 0.0                             | 0.0                          | 530.3                           |                                  |                   |            |
| ADMIRAL FEDERAL COM 504H - OWB - AWP          | 8,600.0                         | 8,646.3                      | 786.0                           | 752.6                            | 23.576            | SF         |
| ADMIRAL FEDERAL COM 504H - ST01 - ST01        | 0.0                             | 0.0                          | 530.3                           |                                  |                   |            |
| ADMIRAL FEDERAL COM 504H - ST01 - ST01        | 8,200.0                         | 8,288.0                      | 767.4                           | 737.5                            | 25.669            | SF         |
| ADMIRAL FEDERAL COM 504H - ST02 - ST02        | 0.0                             | 0.0                          | 530.3                           |                                  |                   |            |
| ADMIRAL FEDERAL COM 504H - ST02 - ST02        | 8,200.0                         | 8,288.0                      | 767.4                           | 737.5                            | 25.669            | SF         |
| ADMIRAL FEDERAL COM 505H - OWB - AWP          | 0.0                             | 0.0                          | 560.3                           |                                  |                   |            |
| ADMIRAL FEDERAL COM 505H - OWB - AWP          | 8,500.0                         | 8,488.0                      | 1,398.7                         | 1,359.4                          | 35.583            | SF         |
| ADMIRAL FEDERAL COM 505H - ST01 - ST01        | 0.0                             | 0.0                          | 560.3                           |                                  |                   |            |
| ADMIRAL FEDERAL COM 505H - ST01 - ST01        | 8,500.0                         | 8,488.0                      | 1,398.7                         | 1,359.4                          | 35.583            | SF         |

| <b>Offset Design</b>   | ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FED COM #2H - LATERAL 01 - AWP-LAT 0 |                       |                       |                  |               |                       |                                     |              |                        |                         | <b>Offset Site Error:</b> | 0.0 usft |
|------------------------|-------------------------------------------------------------------------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|----------|
| <b>Survey Program:</b> | 100- VES GyroFlex, 9732-MWD                                                         |                       |                       |                  |               |                       |                                     |              |                        |                         | <b>Offset Well Error:</b> | 3.0 usft |
| Reference              | Offset                                                                              | Semi Major Axis       |                       | Distance         |               | Minimum Separation    |                                     | 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) | Separation (usft)         | Factor   |
| 0.0                    | 0.0                                                                                 | 1.9                   | 1.9                   | 3.0              | 3.0           | -106.77               | -123.1                              | -408.6       | 426.7                  |                         |                           |          |
| 100.0                  | 100.0                                                                               | 103.5                 | 103.5                 | 3.0              | 3.0           | -106.75               | -122.9                              | -408.4       | 426.5                  | 420.5                   | 6.00                      | 71.084   |
| 200.0                  | 200.0                                                                               | 203.6                 | 203.6                 | 3.0              | 3.0           | -106.74               | -122.7                              | -408.1       | 426.2                  | 420.1                   | 6.01                      | 70.926   |
| 300.0                  | 300.0                                                                               | 300.0                 | 300.0                 | 3.0              | 3.0           | -106.71               | -122.5                              | -407.9       | 425.9                  | 419.9                   | 6.02                      | 70.745   |
| 306.2                  | 306.2                                                                               | 308.1                 | 308.1                 | 3.0              | 3.0           | -106.71               | -122.4                              | -407.9       | 425.9                  | 419.9                   | 6.02                      | 70.740   |
| 400.0                  | 400.0                                                                               | 397.8                 | 397.8                 | 3.0              | 3.0           | -106.68               | -122.4                              | -408.4       | 426.4                  | 420.3                   | 6.03                      | 70.751   |
| 500.0                  | 500.0                                                                               | 502.2                 | 502.2                 | 3.1              | 3.0           | -106.67               | -122.5                              | -408.9       | 426.8                  | 420.8                   | 6.04                      | 70.694   |
| 503.4                  | 503.4                                                                               | 505.3                 | 505.3                 | 3.1              | 3.0           | -106.67               | -122.5                              | -408.9       | 426.8                  | 420.8                   | 6.04                      | 70.689   |
| 600.0                  | 600.0                                                                               | 597.9                 | 597.9                 | 3.1              | 3.0           | -106.66               | -122.5                              | -409.3       | 427.3                  | 421.2                   | 6.05                      | 70.593   |
| 700.0                  | 700.0                                                                               | 697.9                 | 697.9                 | 3.1              | 3.1           | -106.59               | -122.2                              | -410.4       | 428.2                  | 422.2                   | 6.07                      | 70.523   |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-----------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FED COM #2H - LATERAL 01 - AWP-LAT 0 |                       |                       |                       |                  |               |                       |                                     |                 |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Survey Program: 100- VES GyroFlex, 9732-MWD                                         |                       |                       |                       |                  |               |                       |                                     |                 |                        |                         |                           |                    |          |
| 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  |
| 800.0                                                                               | 800.0                 | 797.7                 | 797.6                 | 3.2              | 3.1           | -106.47               | -121.7                              | -411.6          | 429.2                  | 423.1                   | 6.10                      | 70.374             |          |
| 900.0                                                                               | 900.0                 | 897.3                 | 897.3                 | 3.2              | 3.1           | -106.34               | -121.0                              | -412.8          | 430.2                  | 424.1                   | 6.13                      | 70.161             |          |
| 1,000.0                                                                             | 1,000.0               | 997.6                 | 997.6                 | 3.2              | 3.2           | -106.23               | -120.5                              | -414.1          | 431.3                  | 425.1                   | 6.17                      | 69.863             |          |
| 1,100.0                                                                             | 1,100.0               | 1,095.4               | 1,095.4               | 3.3              | 3.2           | -106.14               | -120.2                              | -415.4          | 432.5                  | 426.3                   | 6.22                      | 69.516             |          |
| 1,200.0                                                                             | 1,200.0               | 1,193.8               | 1,193.8               | 3.4              | 3.2           | -106.04               | -119.9                              | -417.2          | 434.2                  | 427.9                   | 6.28                      | 69.152             |          |
| 1,300.0                                                                             | 1,300.0               | 1,298.5               | 1,298.4               | 3.4              | 3.3           | -105.98               | -119.9                              | -418.7          | 435.6                  | 429.2                   | 6.35                      | 68.603             |          |
| 1,400.0                                                                             | 1,400.0               | 1,396.8               | 1,396.8               | 3.5              | 3.4           | -105.93               | -119.8                              | -419.8          | 436.6                  | 430.1                   | 6.42                      | 67.963             |          |
| 1,500.0                                                                             | 1,500.0               | 1,501.7               | 1,501.7               | 3.5              | 3.4           | -105.88               | -119.6                              | -420.5          | 437.2                  | 430.7                   | 6.50                      | 67.305             |          |
| 1,600.0                                                                             | 1,600.0               | 1,600.8               | 1,600.8               | 3.6              | 3.5           | -105.84               | -119.4                              | -420.8          | 437.4                  | 430.8                   | 6.57                      | 66.622             |          |
| 1,700.0                                                                             | 1,700.0               | 1,700.2               | 1,700.1               | 3.7              | 3.6           | -105.82               | -119.3                              | -421.1          | 437.7                  | 431.1                   | 6.65                      | 65.798             |          |
| 1,800.0                                                                             | 1,800.0               | 1,800.0               | 1,799.9               | 3.8              | 3.7           | -105.78               | -119.1                              | -421.6          | 438.2                  | 431.4                   | 6.75                      | 64.951             |          |
| 1,900.0                                                                             | 1,900.0               | 1,897.6               | 1,897.5               | 3.9              | 3.7           | -105.75               | -119.1                              | -422.4          | 438.9                  | 432.0                   | 6.84                      | 64.126             |          |
| 2,000.0                                                                             | 2,000.0               | 1,997.0               | 1,996.9               | 3.9              | 3.8           | -105.74               | -119.4                              | -423.4          | 439.9                  | 433.0                   | 6.96                      | 63.232             |          |
| 2,100.0                                                                             | 2,100.0               | 2,095.3               | 2,095.2               | 4.0              | 3.9           | -105.73               | -119.6                              | -424.7          | 441.3                  | 434.2                   | 7.08                      | 62.358             |          |
| 2,200.0                                                                             | 2,200.0               | 2,196.0               | 2,195.9               | 4.1              | 4.0           | -105.70               | -119.8                              | -426.2          | 442.7                  | 435.5                   | 7.20                      | 61.465             |          |
| 2,300.0                                                                             | 2,300.0               | 2,296.3               | 2,296.2               | 4.2              | 4.1           | -105.74               | -120.4                              | -427.4          | 444.0                  | 436.7                   | 7.33                      | 60.584             |          |
| 2,400.0                                                                             | 2,400.0               | 2,397.9               | 2,397.7               | 4.3              | 4.1           | -105.90               | -122.0                              | -428.1          | 445.2                  | 437.7                   | 7.44                      | 59.807             |          |
| 2,500.0                                                                             | 2,500.0               | 2,502.3               | 2,502.2               | 4.4              | 4.1           | -106.19               | -124.2                              | -427.9          | 445.6                  | 438.1                   | 7.53                      | 59.176             |          |
| 2,600.0                                                                             | 2,600.0               | 2,605.3               | 2,605.1               | 4.4              | 4.1           | 0.48                  | -127.0                              | -426.7          | 443.5                  | 435.9                   | 7.58                      | 58.514             |          |
| 2,700.0                                                                             | 2,699.8               | 2,711.3               | 2,711.0               | 4.5              | 4.1           | 0.04                  | -129.9                              | -424.2          | 436.8                  | 429.2                   | 7.60                      | 57.476             |          |
| 2,713.9                                                                             | 2,713.7               | 2,725.7               | 2,725.4               | 4.5              | 4.1           | -0.03                 | -130.2                              | -423.8          | 435.5                  | 427.9                   | 7.60                      | 57.291             |          |
| 2,800.0                                                                             | 2,799.6               | 2,814.9               | 2,814.5               | 4.5              | 4.1           | -0.43                 | -132.4                              | -420.7          | 426.8                  | 419.2                   | 7.61                      | 56.073             |          |
| 2,900.0                                                                             | 2,899.3               | 2,919.2               | 2,918.7               | 4.5              | 4.0           | -0.86                 | -134.1                              | -416.1          | 415.7                  | 408.1                   | 7.62                      | 54.543             |          |
| 3,000.0                                                                             | 2,999.0               | 3,020.9               | 3,020.3               | 4.5              | 4.0           | -1.25                 | -135.2                              | -410.9          | 403.7                  | 396.1                   | 7.63                      | 52.891             |          |
| 3,100.0                                                                             | 3,098.7               | 3,121.9               | 3,121.2               | 4.5              | 4.0           | -1.60                 | -135.7                              | -405.4          | 391.3                  | 383.6                   | 7.65                      | 51.132             |          |
| 3,200.0                                                                             | 3,198.4               | 3,222.4               | 3,221.4               | 4.6              | 4.0           | -1.94                 | -135.8                              | -399.6          | 378.4                  | 370.7                   | 7.68                      | 49.276             |          |
| 3,300.0                                                                             | 3,298.2               | 3,321.3               | 3,320.2               | 4.6              | 4.0           | -2.26                 | -135.7                              | -393.8          | 365.4                  | 357.7                   | 7.71                      | 47.365             |          |
| 3,400.0                                                                             | 3,397.9               | 3,419.4               | 3,418.2               | 4.6              | 4.0           | -2.57                 | -135.5                              | -388.3          | 352.6                  | 344.9                   | 7.76                      | 45.453             |          |
| 3,500.0                                                                             | 3,497.6               | 3,518.7               | 3,517.3               | 4.7              | 4.0           | -2.91                 | -135.4                              | -382.8          | 340.0                  | 332.2                   | 7.81                      | 43.525             |          |
| 3,600.0                                                                             | 3,597.3               | 3,618.0               | 3,616.4               | 4.7              | 4.0           | -3.28                 | -135.2                              | -377.4          | 327.3                  | 319.4                   | 7.87                      | 41.572             |          |
| 3,700.0                                                                             | 3,697.1               | 3,716.7               | 3,714.9               | 4.8              | 4.0           | -3.69                 | -135.1                              | -372.0          | 314.7                  | 306.8                   | 7.94                      | 39.621             |          |
| 3,800.0                                                                             | 3,796.8               | 3,815.3               | 3,813.4               | 4.8              | 4.0           | -4.13                 | -135.1                              | -366.7          | 302.3                  | 294.3                   | 8.02                      | 37.690             |          |
| 3,900.0                                                                             | 3,896.5               | 3,913.8               | 3,911.8               | 4.9              | 4.1           | -4.62                 | -135.2                              | -361.6          | 290.1                  | 282.0                   | 8.11                      | 35.793             |          |
| 4,000.0                                                                             | 3,996.2               | 4,012.5               | 4,010.4               | 4.9              | 4.1           | -5.12                 | -135.3                              | -356.8          | 278.2                  | 270.0                   | 8.20                      | 33.932             |          |
| 4,100.0                                                                             | 4,095.9               | 4,110.6               | 4,108.4               | 5.0              | 4.1           | -5.65                 | -135.4                              | -352.3          | 266.6                  | 258.3                   | 8.30                      | 32.133             |          |
| 4,200.0                                                                             | 4,195.7               | 4,209.7               | 4,207.4               | 5.1              | 4.2           | -6.22                 | -135.5                              | -348.0          | 255.3                  | 246.9                   | 8.40                      | 30.382             |          |
| 4,300.0                                                                             | 4,295.4               | 4,308.8               | 4,306.4               | 5.1              | 4.2           | -6.85                 | -135.7                              | -343.8          | 244.1                  | 235.6                   | 8.51                      | 28.669             |          |
| 4,400.0                                                                             | 4,395.1               | 4,407.4               | 4,405.0               | 5.2              | 4.3           | -7.55                 | -136.1                              | -339.8          | 233.2                  | 224.5                   | 8.63                      | 27.015             |          |
| 4,500.0                                                                             | 4,494.8               | 4,506.6               | 4,504.0               | 5.3              | 4.3           | -8.32                 | -136.5                              | -336.0          | 222.4                  | 213.7                   | 8.75                      | 25.416             |          |
| 4,600.0                                                                             | 4,594.5               | 4,605.4               | 4,602.8               | 5.3              | 4.4           | -9.18                 | -137.1                              | -332.2          | 211.9                  | 203.1                   | 8.87                      | 23.881             |          |
| 4,700.0                                                                             | 4,694.3               | 4,704.9               | 4,702.2               | 5.4              | 4.5           | -10.11                | -137.6                              | -328.7          | 201.6                  | 192.6                   | 9.00                      | 22.396             |          |
| 4,800.0                                                                             | 4,794.0               | 4,804.3               | 4,801.5               | 5.5              | 4.5           | -11.09                | -138.0                              | -325.1          | 191.3                  | 182.2                   | 9.13                      | 20.949             |          |
| 4,900.0                                                                             | 4,893.7               | 4,903.6               | 4,900.7               | 5.6              | 4.6           | -12.23                | -138.6                              | -321.6          | 181.2                  | 171.9                   | 9.26                      | 19.553             |          |
| 5,000.0                                                                             | 4,993.4               | 5,003.4               | 5,000.5               | 5.7              | 4.7           | -13.55                | -139.2                              | -317.8          | 171.0                  | 161.6                   | 9.40                      | 18.193             |          |
| 5,100.0                                                                             | 5,093.2               | 5,102.3               | 5,099.4               | 5.7              | 4.8           | -15.06                | -139.9                              | -314.1          | 160.9                  | 151.4                   | 9.52                      | 16.892             |          |
| 5,200.0                                                                             | 5,192.9               | 5,201.3               | 5,198.3               | 5.8              | 4.9           | -16.80                | -140.8                              | -310.6          | 151.2                  | 141.6                   | 9.65                      | 15.673             |          |
| 5,300.0                                                                             | 5,292.6               | 5,300.8               | 5,297.7               | 5.9              | 5.0           | -18.74                | -141.7                              | -307.2          | 141.8                  | 132.0                   | 9.77                      | 14.515             |          |
| 5,400.0                                                                             | 5,392.3               | 5,400.0               | 5,396.8               | 6.0              | 5.1           | -20.88                | -142.5                              | -304.0          | 132.7                  | 122.8                   | 9.88                      | 13.425             |          |
| 5,500.0                                                                             | 5,492.0               | 5,499.2               | 5,496.0               | 6.1              | 5.2           | -23.28                | -143.4                              | -301.0          | 124.0                  | 114.0                   | 9.99                      | 12.407             |          |
| 5,600.0                                                                             | 5,591.8               | 5,598.3               | 5,595.0               | 6.2              | 5.3           | -25.97                | -144.3                              | -298.2          | 115.8                  | 105.7                   | 10.09                     | 11.469             |          |
| 5,700.0                                                                             | 5,691.5               | 5,698.0               | 5,694.7               | 6.3              | 5.4           | -28.93                | -145.2                              | -295.7          | 108.0                  | 97.8                    | 10.19                     | 10.592             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|---------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 100- VES GyroFlex, 9732-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | 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  |          |
| 5,800.0                                     | 5,791.2               | 5,797.7               | 5,794.4               | 6.4              | 5.5           | -32.13                | -145.6                              | -293.4       | 100.3                  | 90.0                    | 10.29                     | 9.746              |          |
| 5,900.0                                     | 5,890.9               | 5,897.5               | 5,894.1               | 6.5              | 5.6           | -35.42                | -145.5                              | -291.5       | 92.8                   | 82.4                    | 10.40                     | 8.923              |          |
| 6,000.0                                     | 5,990.6               | 5,997.0               | 5,993.6               | 6.6              | 5.7           | -38.93                | -145.0                              | -289.9       | 85.5                   | 75.0                    | 10.50                     | 8.137              |          |
| 6,100.0                                     | 6,090.4               | 6,096.6               | 6,093.6               | 6.6              | 5.8           | -43.15                | -144.5                              | -288.3       | 78.6                   | 68.0                    | 10.61                     | 7.406              |          |
| 6,200.0                                     | 6,190.1               | 6,196.1               | 6,192.7               | 6.7              | 5.9           | -48.29                | -144.2                              | -286.5       | 72.2                   | 61.5                    | 10.72                     | 6.736              |          |
| 6,300.0                                     | 6,289.8               | 6,295.6               | 6,292.2               | 6.8              | 6.0           | -54.41                | -143.9                              | -284.7       | 66.6                   | 55.8                    | 10.84                     | 6.145              |          |
| 6,400.0                                     | 6,389.5               | 6,395.2               | 6,391.8               | 6.9              | 6.1           | -61.19                | -143.6                              | -283.2       | 61.9                   | 50.9                    | 11.01                     | 5.625              |          |
| 6,500.0                                     | 6,489.3               | 6,494.8               | 6,491.4               | 7.0              | 6.2           | -68.79                | -143.3                              | -282.0       | 58.3                   | 47.0                    | 11.24                     | 5.185              |          |
| 6,600.0                                     | 6,589.0               | 6,594.3               | 6,590.9               | 7.2              | 6.3           | -77.08                | -143.1                              | -280.8       | 55.9                   | 44.3                    | 11.55                     | 4.839              |          |
| 6,700.0                                     | 6,688.7               | 6,693.8               | 6,690.4               | 7.3              | 6.5           | -85.88                | -143.1                              | -279.6       | 54.9                   | 43.0                    | 11.95                     | 4.595              |          |
| 6,712.1                                     | 6,700.8               | 6,705.9               | 6,702.5               | 7.3              | 6.5           | -86.97                | -143.1                              | -279.5       | 54.9                   | 42.9                    | 12.01                     | 4.573 CC, ES       |          |
| 6,800.0                                     | 6,788.4               | 6,793.3               | 6,789.9               | 7.4              | 6.6           | -94.48                | -143.4                              | -278.6       | 55.5                   | 43.1                    | 12.43                     | 4.470              |          |
| 6,900.0                                     | 6,888.1               | 6,892.9               | 6,889.4               | 7.5              | 6.7           | -102.33               | -144.0                              | -277.9       | 57.6                   | 44.6                    | 12.93                     | 4.454 SF           |          |
| 7,000.0                                     | 6,987.9               | 6,992.5               | 6,989.1               | 7.6              | 6.8           | -109.52               | -144.8                              | -277.0       | 60.7                   | 47.3                    | 13.42                     | 4.526              |          |
| 7,100.0                                     | 7,087.6               | 7,091.7               | 7,088.2               | 7.7              | 6.9           | -115.59               | -146.1                              | -276.2       | 65.1                   | 51.3                    | 13.87                     | 4.695              |          |
| 7,200.0                                     | 7,187.3               | 7,190.6               | 7,187.1               | 7.8              | 7.0           | -120.46               | -148.3                              | -275.1       | 71.1                   | 56.8                    | 14.27                     | 4.980              |          |
| 7,300.0                                     | 7,287.0               | 7,290.2               | 7,286.7               | 7.9              | 7.1           | -124.15               | -151.4                              | -273.8       | 78.0                   | 63.4                    | 14.60                     | 5.344              |          |
| 7,400.0                                     | 7,386.7               | 7,390.5               | 7,386.9               | 8.0              | 7.2           | -126.93               | -154.6                              | -273.1       | 84.9                   | 70.0                    | 14.89                     | 5.701              |          |
| 7,500.0                                     | 7,486.5               | 7,490.9               | 7,487.2               | 8.1              | 7.2           | -129.52               | -157.1                              | -272.8       | 91.1                   | 75.9                    | 15.15                     | 6.012              |          |
| 7,600.0                                     | 7,586.2               | 7,590.7               | 7,587.1               | 8.2              | 7.3           | -132.20               | -158.7                              | -272.6       | 97.1                   | 81.7                    | 15.42                     | 6.297              |          |
| 7,700.0                                     | 7,685.9               | 7,690.1               | 7,686.5               | 8.3              | 7.4           | -134.54               | -160.4                              | -272.2       | 103.4                  | 87.7                    | 15.67                     | 6.598              |          |
| 7,800.0                                     | 7,785.6               | 7,789.7               | 7,786.1               | 8.4              | 7.5           | -136.53               | -162.3                              | -271.8       | 110.0                  | 94.1                    | 15.90                     | 6.917              |          |
| 7,900.0                                     | 7,885.4               | 7,889.7               | 7,886.0               | 8.5              | 7.6           | -138.37               | -164.1                              | -271.2       | 116.7                  | 100.6                   | 16.13                     | 7.236              |          |
| 8,000.0                                     | 7,985.1               | 7,990.4               | 7,986.7               | 8.7              | 7.7           | -140.20               | -165.4                              | -271.0       | 123.1                  | 106.8                   | 16.34                     | 7.532              |          |
| 8,100.0                                     | 8,084.8               | 8,090.6               | 8,086.9               | 8.8              | 7.7           | -142.13               | -165.8                              | -271.2       | 128.9                  | 112.4                   | 16.51                     | 7.809              |          |
| 8,200.0                                     | 8,184.5               | 8,190.2               | 8,186.5               | 8.9              | 7.8           | -143.92               | -166.1                              | -271.4       | 134.8                  | 118.1                   | 16.65                     | 8.095              |          |
| 8,300.0                                     | 8,284.2               | 8,289.9               | 8,286.2               | 9.0              | 7.8           | -145.58               | -166.4                              | -271.6       | 140.8                  | 124.0                   | 16.79                     | 8.387              |          |
| 8,400.0                                     | 8,384.0               | 8,389.0               | 8,385.3               | 9.1              | 7.9           | -146.91               | -167.2                              | -271.6       | 147.2                  | 130.3                   | 16.95                     | 8.683              |          |
| 8,500.0                                     | 8,483.7               | 8,488.2               | 8,484.5               | 9.2              | 8.0           | -148.00               | -168.4                              | -271.4       | 154.1                  | 136.9                   | 17.14                     | 8.988              |          |
| 8,600.0                                     | 8,583.4               | 8,587.7               | 8,584.0               | 9.3              | 8.1           | -149.03               | -169.7                              | -270.9       | 161.2                  | 143.9                   | 17.34                     | 9.298              |          |
| 8,700.0                                     | 8,683.1               | 8,687.6               | 8,683.8               | 9.5              | 8.2           | -149.88               | -171.1                              | -270.5       | 168.4                  | 150.9                   | 17.53                     | 9.607              |          |
| 8,800.0                                     | 8,782.8               | 8,787.7               | 8,783.9               | 9.6              | 8.3           | -150.56               | -172.9                              | -270.3       | 175.5                  | 157.7                   | 17.71                     | 9.907              |          |
| 8,900.0                                     | 8,882.6               | 8,887.8               | 8,884.0               | 9.7              | 8.4           | -151.24               | -174.4                              | -270.2       | 182.3                  | 164.5                   | 17.89                     | 10.195             |          |
| 9,000.0                                     | 8,982.3               | 8,986.9               | 8,983.1               | 9.8              | 8.6           | -152.04               | -175.4                              | -270.0       | 189.3                  | 171.2                   | 18.06                     | 10.479             |          |
| 9,100.0                                     | 9,082.0               | 9,085.9               | 9,082.2               | 9.9              | 8.7           | -152.79               | -176.4                              | -269.5       | 196.6                  | 178.4                   | 18.26                     | 10.766             |          |
| 9,200.0                                     | 9,181.7               | 9,186.9               | 9,183.1               | 10.0             | 8.8           | -153.52               | -177.4                              | -269.0       | 203.9                  | 185.5                   | 18.45                     | 11.051             |          |
| 9,300.0                                     | 9,281.4               | 9,287.0               | 9,283.3               | 10.2             | 8.9           | -154.13               | -178.5                              | -269.1       | 210.7                  | 192.1                   | 18.62                     | 11.319             |          |
| 9,400.0                                     | 9,381.2               | 9,386.6               | 9,382.8               | 10.3             | 9.0           | -154.71               | -179.5                              | -269.2       | 217.5                  | 198.8                   | 18.78                     | 11.586             |          |
| 9,500.0                                     | 9,480.9               | 9,486.3               | 9,482.5               | 10.4             | 9.1           | -155.21               | -180.8                              | -269.2       | 224.5                  | 205.5                   | 18.94                     | 11.850             |          |
| 9,600.0                                     | 9,580.6               | 9,586.1               | 9,582.3               | 10.5             | 9.2           | -155.66               | -182.1                              | -269.2       | 231.4                  | 212.3                   | 19.11                     | 12.110             |          |
| 9,700.0                                     | 9,680.3               | 9,690.1               | 9,686.2               | 10.6             | 13.6          | -157.01               | -179.6                              | -269.7       | 237.5                  | 213.6                   | 23.92                     | 9.928              |          |
| 9,800.0                                     | 9,780.1               | 9,790.6               | 9,785.5               | 10.8             | 17.1          | -161.05               | -165.2                              | -270.9       | 242.3                  | 215.5                   | 26.77                     | 9.050              |          |
| 9,900.0                                     | 9,879.8               | 9,887.0               | 9,875.6               | 10.9             | 17.2          | -169.33               | -131.6                              | -272.4       | 249.4                  | 222.0                   | 27.45                     | 9.086              |          |
| 10,000.0                                    | 9,979.5               | 9,967.8               | 9,945.7               | 11.0             | 17.2          | -178.48               | -91.5                               | -275.1       | 264.2                  | 235.9                   | 28.21                     | 9.363              |          |
| 10,100.0                                    | 10,079.2              | 10,037.4              | 10,001.8              | 11.1             | 17.3          | 173.06                | -50.4                               | -277.4       | 291.9                  | 262.7                   | 29.19                     | 10.000             |          |
| 10,200.0                                    | 10,178.9              | 10,093.7              | 10,044.4              | 11.2             | 17.4          | 166.41                | -13.6                               | -279.1       | 332.8                  | 302.3                   | 30.51                     | 10.908             |          |
| 10,300.0                                    | 10,278.7              | 10,143.0              | 10,078.5              | 11.4             | 17.5          | 160.82                | 21.9                                | -280.3       | 386.1                  | 354.2                   | 31.90                     | 12.104             |          |
| 10,400.0                                    | 10,378.4              | 10,184.0              | 10,104.7              | 11.5             | 17.6          | 156.47                | 53.4                                | -281.3       | 448.8                  | 415.6                   | 33.25                     | 13.500             |          |
| 10,500.0                                    | 10,478.1              | 10,222.1              | 10,127.2              | 11.6             | 17.8          | 152.69                | 84.1                                | -282.4       | 518.7                  | 484.3                   | 34.41                     | 15.076             |          |
| 10,606.0                                    | 10,583.8              | 10,255.7              | 10,145.6              | 11.7             | 17.9          | 149.58                | 112.2                               | -283.9       | 598.6                  | 563.0                   | 35.54                     | 16.841             |          |
| 10,625.0                                    | 10,602.8              | 10,268.0              | 10,152.0              | 11.8             | 17.9          | 115.72                | 122.7                               | -284.5       | 613.3                  | 577.7                   | 35.62                     | 17.220             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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 ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FED COM #2H - LATERAL 01 - AWP-LAT 0 |                       |                       |                       |           |        |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|---------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|--------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 100- VES GyroFlex, 9732-MWD                                                       |                       |                       |                       |           |        |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 3.0 usft |
| Measured Depth (usft)                                                                             | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference | Offset | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |          |
| 10,650.0                                                                                          | 10,627.7              | 10,268.0              | 10,152.0              | 11.8      | 17.9   | 83.48                 | 122.7                               | -284.5       | 632.3                  | 596.3                   | 36.01                     | 17.560            |                    |          |
| 10,675.0                                                                                          | 10,652.5              | 10,277.1              | 10,156.5              | 11.8      | 18.0   | 65.85                 | 130.6                               | -284.9       | 650.8                  | 614.6                   | 36.23                     | 17.962            |                    |          |
| 10,700.0                                                                                          | 10,677.1              | 10,286.2              | 10,161.0              | 11.8      | 18.0   | 55.64                 | 138.5                               | -285.3       | 668.9                  | 632.4                   | 36.47                     | 18.343            |                    |          |
| 10,725.0                                                                                          | 10,701.6              | 10,300.0              | 10,167.6              | 11.8      | 18.0   | 48.71                 | 150.5                               | -286.0       | 686.5                  | 649.8                   | 36.63                     | 18.740            |                    |          |
| 10,750.0                                                                                          | 10,725.7              | 10,300.0              | 10,167.6              | 11.8      | 18.0   | 44.23                 | 150.5                               | -286.0       | 703.4                  | 666.4                   | 37.02                     | 19.003            |                    |          |
| 10,775.0                                                                                          | 10,749.5              | 10,314.8              | 10,174.6              | 11.8      | 18.1   | 40.29                 | 163.6                               | -286.7       | 719.8                  | 682.6                   | 37.18                     | 19.362            |                    |          |
| 10,800.0                                                                                          | 10,772.8              | 10,331.0              | 10,181.9              | 11.8      | 18.2   | 37.11                 | 178.1                               | -287.3       | 735.6                  | 698.3                   | 37.32                     | 19.710            |                    |          |
| 10,825.0                                                                                          | 10,795.7              | 10,331.0              | 10,181.9              | 11.8      | 18.2   | 34.93                 | 178.1                               | -287.3       | 750.7                  | 713.0                   | 37.70                     | 19.911            |                    |          |
| 10,850.0                                                                                          | 10,818.0              | 10,345.7              | 10,188.2              | 11.8      | 18.3   | 32.76                 | 191.2                               | -287.8       | 765.1                  | 727.2                   | 37.88                     | 20.199            |                    |          |
| 10,875.0                                                                                          | 10,839.6              | 10,363.0              | 10,195.5              | 11.8      | 18.3   | 30.88                 | 207.0                               | -288.4       | 778.9                  | 740.8                   | 38.02                     | 20.484            |                    |          |
| 10,900.0                                                                                          | 10,860.6              | 10,363.0              | 10,195.5              | 11.8      | 18.3   | 29.56                 | 207.0                               | -288.4       | 791.8                  | 753.4                   | 38.39                     | 20.627            |                    |          |
| 10,925.0                                                                                          | 10,880.9              | 10,376.8              | 10,201.0              | 11.9      | 18.4   | 28.22                 | 219.6                               | -288.8       | 804.1                  | 765.5                   | 38.58                     | 20.840            |                    |          |
| 10,950.0                                                                                          | 10,900.4              | 10,395.0              | 10,207.9              | 11.9      | 18.5   | 27.00                 | 236.5                               | -289.3       | 815.7                  | 776.9                   | 38.73                     | 21.061            |                    |          |
| 10,975.0                                                                                          | 10,919.1              | 10,395.0              | 10,207.9              | 11.9      | 18.5   | 26.14                 | 236.5                               | -289.3       | 826.4                  | 787.3                   | 39.07                     | 21.150            |                    |          |
| 11,000.0                                                                                          | 10,936.8              | 10,395.0              | 10,207.9              | 11.9      | 18.5   | 25.38                 | 236.5                               | -289.3       | 836.5                  | 797.1                   | 39.39                     | 21.236            |                    |          |
| 11,025.0                                                                                          | 10,953.6              | 10,409.9              | 10,213.0              | 11.9      | 18.6   | 24.58                 | 250.4                               | -289.6       | 845.8                  | 806.2                   | 39.58                     | 21.368            |                    |          |
| 11,050.0                                                                                          | 10,969.5              | 10,426.0              | 10,217.9              | 12.0      | 18.7   | 23.88                 | 265.8                               | -289.8       | 854.6                  | 814.9                   | 39.76                     | 21.495            |                    |          |
| 11,075.0                                                                                          | 10,984.3              | 10,426.0              | 10,217.9              | 12.0      | 18.7   | 23.37                 | 265.8                               | -289.8       | 862.4                  | 822.4                   | 40.05                     | 21.534            |                    |          |
| 11,100.0                                                                                          | 10,998.0              | 10,426.0              | 10,217.9              | 12.0      | 18.7   | 22.92                 | 265.8                               | -289.8       | 869.7                  | 829.4                   | 40.32                     | 21.570            |                    |          |
| 11,125.0                                                                                          | 11,010.6              | 10,440.4              | 10,221.8              | 12.0      | 18.8   | 22.47                 | 279.7                               | -289.8       | 876.1                  | 835.6                   | 40.49                     | 21.636            |                    |          |
| 11,150.0                                                                                          | 11,022.1              | 10,454.0              | 10,225.1              | 12.1      | 18.8   | 22.10                 | 292.8                               | -289.8       | 881.9                  | 841.2                   | 40.67                     | 21.684            |                    |          |
| 11,175.0                                                                                          | 11,032.4              | 10,456.7              | 10,225.7              | 12.1      | 18.9   | 21.81                 | 295.4                               | -289.8       | 886.8                  | 845.9                   | 40.88                     | 21.690            |                    |          |
| 11,200.0                                                                                          | 11,041.5              | 10,470.2              | 10,228.6              | 12.2      | 18.9   | 21.56                 | 308.7                               | -289.6       | 890.8                  | 849.8                   | 41.02                     | 21.714            |                    |          |
| 11,225.0                                                                                          | 11,049.4              | 10,485.0              | 10,231.6              | 12.2      | 19.0   | 21.38                 | 323.2                               | -289.4       | 894.0                  | 852.9                   | 41.15                     | 21.724            |                    |          |
| 11,250.0                                                                                          | 11,056.0              | 10,494.9              | 10,233.4              | 12.2      | 19.1   | 21.25                 | 332.9                               | -289.3       | 896.3                  | 855.0                   | 41.30                     | 21.702            |                    |          |
| 11,275.0                                                                                          | 11,061.4              | 10,509.0              | 10,235.8              | 12.3      | 19.2   | 21.17                 | 346.7                               | -289.1       | 897.7                  | 856.2                   | 41.42                     | 21.671            |                    |          |
| 11,300.0                                                                                          | 11,065.5              | 10,517.0              | 10,237.1              | 12.3      | 19.2   | 21.14                 | 354.7                               | -288.9       | 898.1                  | 856.5                   | 41.56                     | 21.609            |                    |          |
| 11,325.0                                                                                          | 11,068.3              | 10,535.2              | 10,239.9              | 12.4      | 19.4   | 21.18                 | 372.7                               | -288.7       | 897.6                  | 855.9                   | 41.66                     | 21.545            |                    |          |
| 11,350.0                                                                                          | 11,069.8              | 10,548.0              | 10,241.5              | 12.4      | 19.5   | 21.26                 | 385.3                               | -288.5       | 896.2                  | 854.4                   | 41.77                     | 21.453            |                    |          |
| 11,366.7                                                                                          | 11,070.0              | 10,558.3              | 10,242.8              | 12.5      | 19.5   | 21.35                 | 395.6                               | -288.4       | 894.7                  | 852.8                   | 41.84                     | 21.382            |                    |          |
| 11,400.0                                                                                          | 11,070.0              | 10,580.0              | 10,245.0              | 12.6      | 19.7   | 21.43                 | 417.2                               | -288.4       | 891.6                  | 849.6                   | 41.98                     | 21.239            |                    |          |
| 11,500.0                                                                                          | 11,069.8              | 10,638.5              | 10,249.2              | 12.9      | 20.2   | 21.55                 | 475.5                               | -288.6       | 885.1                  | 842.6                   | 42.46                     | 20.846            |                    |          |
| 11,600.0                                                                                          | 11,069.7              | 10,706.0              | 10,250.3              | 13.2      | 20.7   | 21.61                 | 543.0                               | -288.9       | 883.4                  | 840.4                   | 43.05                     | 20.523            |                    |          |
| 11,604.3                                                                                          | 11,069.7              | 10,706.0              | 10,250.3              | 13.2      | 20.7   | 21.61                 | 543.0                               | -288.9       | 883.4                  | 840.4                   | 43.06                     | 20.516            |                    |          |
| 11,700.0                                                                                          | 11,069.5              | 10,773.0              | 10,248.9              | 13.6      | 21.4   | 21.65                 | 609.9                               | -288.7       | 885.5                  | 841.8                   | 43.65                     | 20.286            |                    |          |
| 11,800.0                                                                                          | 11,069.4              | 10,865.6              | 10,245.9              | 14.0      | 22.3   | 21.74                 | 702.5                               | -287.2       | 889.4                  | 845.1                   | 44.26                     | 20.096            |                    |          |
| 11,900.0                                                                                          | 11,069.2              | 10,990.4              | 10,242.7              | 14.5      | 23.7   | 21.83                 | 827.3                               | -286.0       | 892.5                  | 847.5                   | 44.96                     | 19.851            |                    |          |
| 12,000.0                                                                                          | 11,069.1              | 11,086.0              | 10,241.2              | 15.0      | 24.8   | 21.82                 | 922.8                               | -286.8       | 894.0                  | 848.4                   | 45.65                     | 19.586            |                    |          |
| 12,100.0                                                                                          | 11,068.9              | 11,221.3              | 10,241.2              | 15.6      | 26.5   | 21.71                 | 1,058.1                             | -290.4       | 893.1                  | 846.6                   | 46.53                     | 19.196            |                    |          |
| 12,200.0                                                                                          | 11,068.8              | 11,318.2              | 10,242.2              | 16.1      | 27.7   | 21.57                 | 1,154.9                             | -294.5       | 891.0                  | 843.7                   | 47.34                     | 18.822            |                    |          |
| 12,300.0                                                                                          | 11,068.6              | 11,407.0              | 10,242.2              | 16.7      | 28.9   | 21.41                 | 1,243.6                             | -298.3       | 889.7                  | 841.5                   | 48.15                     | 18.476            |                    |          |
| 12,333.7                                                                                          | 11,068.6              | 11,435.7              | 10,241.9              | 16.9      | 29.3   | 21.35                 | 1,272.3                             | -299.5       | 889.6                  | 841.2                   | 48.44                     | 18.366            |                    |          |
| 12,400.0                                                                                          | 11,068.5              | 11,507.8              | 10,241.0              | 17.3      | 30.3   | 21.22                 | 1,344.3                             | -302.2       | 889.7                  | 840.7                   | 49.05                     | 18.138            |                    |          |
| 12,500.0                                                                                          | 11,068.3              | 11,620.8              | 10,241.7              | 18.0      | 31.8   | 21.03                 | 1,457.2                             | -307.1       | 887.8                  | 837.8                   | 50.03                     | 17.747            |                    |          |
| 12,600.0                                                                                          | 11,068.2              | 11,717.3              | 10,242.3              | 18.6      | 33.2   | 20.85                 | 1,553.6                             | -311.6       | 885.9                  | 834.9                   | 50.98                     | 17.376            |                    |          |
| 12,700.0                                                                                          | 11,068.0              | 11,813.1              | 10,242.5              | 19.3      | 34.6   | 20.68                 | 1,649.3                             | -315.8       | 884.4                  | 832.4                   | 51.96                     | 17.020            |                    |          |
| 12,800.0                                                                                          | 11,067.9              | 11,910.6              | 10,243.0              | 20.0      | 36.0   | 20.61                 | 1,746.7                             | -318.3       | 883.3                  | 830.3                   | 52.99                     | 16.670            |                    |          |
| 12,900.0                                                                                          | 11,067.7              | 12,025.2              | 10,244.7              | 20.7      | 37.7   | 20.66                 | 1,861.4                             | -319.7       | 881.8                  | 827.7                   | 54.11                     | 16.299            |                    |          |
| 13,000.0                                                                                          | 11,067.5              | 12,119.9              | 10,247.1              | 21.4      | 39.1   | 20.72                 | 1,956.0                             | -320.8       | 879.4                  | 824.2                   | 55.22                     | 15.926            |                    |          |
| 13,100.0                                                                                          | 11,067.4              | 12,222.4              | 10,249.1              | 22.1      | 40.6   | 20.76                 | 2,058.4                             | -322.2       | 877.3                  | 820.9                   | 56.37                     | 15.564            |                    |          |
| 13,200.0                                                                                          | 11,067.2              | 12,328.1              | 10,251.6              | 22.8      | 42.2   | 20.76                 | 2,164.2                             | -324.6       | 874.6                  | 817.0                   | 57.54                     | 15.199            |                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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 ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FED COM #2H - LATERAL 01 - AWP-LAT 0 |                       |                       |                       |                  |               |                                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|---------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|---------------------------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 100- VES GyroFlex, 9732-MWD                                                       |                       |                       |                       |                  |               |                                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 3.0 usft |
| Measured Depth (usft)                                                                             | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Semi Major Axis Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |          |
| 13,300.0                                                                                          | 11,067.1              | 12,415.0              | 10,253.3              | 23.6             | 43.6          | 20.78                                 | 2,251.0                             | -326.0       | 872.5                  | 813.8                   | 58.72                     | 14.859            |                    |          |
| 13,400.0                                                                                          | 11,066.9              | 12,512.0              | 10,254.3              | 24.3             | 45.0          | 20.79                                 | 2,348.0                             | -327.5       | 871.4                  | 811.4                   | 59.93                     | 14.539            |                    |          |
| 13,500.0                                                                                          | 11,066.8              | 12,636.4              | 10,256.3              | 25.1             | 47.0          | 20.64                                 | 2,472.2                             | -332.3       | 868.7                  | 807.5                   | 61.20                     | 14.196            |                    |          |
| 13,600.0                                                                                          | 11,066.6              | 12,739.6              | 10,259.2              | 25.9             | 48.6          | 20.40                                 | 2,575.3                             | -338.6       | 864.2                  | 801.8                   | 62.42                     | 13.846            |                    |          |
| 13,700.0                                                                                          | 11,066.5              | 12,826.8              | 10,261.0              | 26.6             | 50.0          | 20.21                                 | 2,662.3                             | -343.5       | 860.6                  | 797.0                   | 63.64                     | 13.523            |                    |          |
| 13,800.0                                                                                          | 11,066.3              | 12,916.4              | 10,261.8              | 27.4             | 51.4          | 20.05                                 | 2,751.8                             | -347.4       | 858.6                  | 793.7                   | 64.89                     | 13.232            |                    |          |
| 13,900.0                                                                                          | 11,066.2              | 13,019.3              | 10,262.2              | 28.2             | 53.0          | 19.86                                 | 2,854.6                             | -351.9       | 857.0                  | 790.8                   | 66.16                     | 12.953            |                    |          |
| 14,000.0                                                                                          | 11,066.0              | 13,113.1              | 10,263.3              | 29.0             | 54.5          | 19.74                                 | 2,948.3                             | -355.5       | 854.9                  | 787.5                   | 67.45                     | 12.675            |                    |          |
| 14,041.8                                                                                          | 11,066.0              | 13,144.6              | 10,263.3              | 29.3             | 55.0          | 19.71                                 | 2,979.8                             | -356.3       | 854.7                  | 786.7                   | 67.99                     | 12.571            |                    |          |
| 14,100.0                                                                                          | 11,065.9              | 13,191.4              | 10,262.8              | 29.8             | 55.7          | 19.69                                 | 3,026.6                             | -357.1       | 855.1                  | 786.4                   | 68.73                     | 12.441            |                    |          |
| 14,200.0                                                                                          | 11,065.7              | 13,282.3              | 10,260.7              | 30.5             | 57.2          | 19.62                                 | 3,117.4                             | -358.5       | 857.0                  | 787.0                   | 70.05                     | 12.234            |                    |          |
| 14,300.0                                                                                          | 11,065.6              | 13,377.1              | 10,257.6              | 31.3             | 58.7          | 19.52                                 | 3,212.1                             | -360.3       | 859.7                  | 788.3                   | 71.36                     | 12.047            |                    |          |
| 14,400.0                                                                                          | 11,065.4              | 13,474.5              | 10,254.0              | 32.1             | 60.2          | 19.44                                 | 3,309.5                             | -361.6       | 863.0                  | 790.3                   | 72.70                     | 11.870            |                    |          |
| 14,500.0                                                                                          | 11,065.3              | 13,590.9              | 10,251.2              | 32.9             | 62.0          | 19.45                                 | 3,425.8                             | -361.9       | 865.4                  | 791.2                   | 74.19                     | 11.664            |                    |          |
| 14,600.0                                                                                          | 11,065.1              | 13,704.5              | 10,250.5              | 33.7             | 63.9          | 19.43                                 | 3,539.5                             | -363.4       | 865.9                  | 790.2                   | 75.66                     | 11.444            |                    |          |
| 14,656.4                                                                                          | 11,065.0              | 13,758.2              | 10,250.8              | 34.2             | 64.7          | 19.48                                 | 3,593.1                             | -363.5       | 865.7                  | 789.2                   | 76.48                     | 11.320            |                    |          |
| 14,700.0                                                                                          | 11,065.0              | 13,790.2              | 10,250.8              | 34.6             | 65.2          | 19.53                                 | 3,625.2                             | -363.1       | 866.0                  | 789.0                   | 77.09                     | 11.235            |                    |          |
| 14,800.0                                                                                          | 11,064.8              | 13,889.8              | 10,249.3              | 35.4             | 66.8          | 19.73                                 | 3,724.7                             | -360.6       | 868.5                  | 789.9                   | 78.65                     | 11.043            |                    |          |
| 14,900.0                                                                                          | 11,064.7              | 14,000.6              | 10,249.6              | 36.2             | 68.6          | 19.89                                 | 3,835.5                             | -359.7       | 868.8                  | 788.6                   | 80.26                     | 10.826            |                    |          |
| 15,000.0                                                                                          | 11,064.5              | 14,118.8              | 10,250.5              | 37.0             | 70.5          | 20.00                                 | 3,953.7                             | -359.7       | 868.4                  | 786.6                   | 81.83                     | 10.612            |                    |          |
| 15,100.0                                                                                          | 11,064.4              | 14,208.0              | 10,251.9              | 37.8             | 71.9          | 20.11                                 | 4,042.9                             | -359.6       | 867.2                  | 783.8                   | 83.34                     | 10.405            |                    |          |
| 15,168.0                                                                                          | 11,064.3              | 14,271.1              | 10,252.3              | 38.4             | 72.9          | 20.17                                 | 4,106.0                             | -359.6       | 867.0                  | 782.6                   | 84.37                     | 10.276            |                    |          |
| 15,200.0                                                                                          | 11,064.2              | 14,301.2              | 10,252.3              | 38.6             | 73.4          | 20.18                                 | 4,136.1                             | -359.8       | 867.0                  | 782.2                   | 84.85                     | 10.219            |                    |          |
| 15,300.0                                                                                          | 11,064.1              | 14,410.6              | 10,252.5              | 39.5             | 75.2          | 20.22                                 | 4,245.5                             | -360.6       | 866.9                  | 780.5                   | 86.39                     | 10.034            |                    |          |
| 15,400.0                                                                                          | 11,063.9              | 14,533.4              | 10,254.9              | 40.3             | 77.2          | 20.12                                 | 4,368.2                             | -364.8       | 864.0                  | 776.2                   | 87.89                     | 9.831             |                    |          |
| 15,500.0                                                                                          | 11,063.7              | 14,631.6              | 10,256.8              | 41.1             | 78.8          | 19.96                                 | 4,466.2                             | -369.3       | 861.0                  | 771.6                   | 89.33                     | 9.638             |                    |          |
| 15,600.0                                                                                          | 11,063.6              | 14,735.0              | 10,259.7              | 41.9             | 80.5          | 19.82                                 | 4,569.5                             | -373.9       | 857.1                  | 766.3                   | 90.77                     | 9.443             |                    |          |
| 15,700.0                                                                                          | 11,063.4              | 14,824.4              | 10,261.7              | 42.8             | 81.9          | 19.74                                 | 4,658.8                             | -377.1       | 854.0                  | 761.8                   | 92.24                     | 9.258             |                    |          |
| 15,800.0                                                                                          | 11,063.3              | 14,920.2              | 10,263.0              | 43.6             | 83.5          | 19.68                                 | 4,754.6                             | -379.7       | 852.1                  | 758.4                   | 93.73                     | 9.091             |                    |          |
| 15,900.0                                                                                          | 11,063.1              | 15,025.8              | 10,264.6              | 44.4             | 85.2          | 19.55                                 | 4,860.1                             | -383.6       | 849.7                  | 754.5                   | 95.20                     | 8.925             |                    |          |
| 16,000.0                                                                                          | 11,063.0              | 15,117.3              | 10,265.5              | 45.2             | 86.7          | 19.35                                 | 4,951.5                             | -388.4       | 847.3                  | 750.7                   | 96.61                     | 8.771             |                    |          |
| 16,059.2                                                                                          | 11,062.9              | 15,167.1              | 10,265.5              | 45.7             | 87.5          | 19.26                                 | 5,001.3                             | -390.3       | 846.7                  | 749.2                   | 97.45                     | 8.688             |                    |          |
| 16,080.2                                                                                          | 11,062.9              | 15,196.7              | 10,265.5              | 45.9             | 88.0          | 19.21                                 | 5,030.8                             | -391.4       | 846.4                  | 748.7                   | 97.77                     | 8.658             |                    |          |
| 16,100.0                                                                                          | 11,062.8              | 15,224.7              | 10,265.8              | 46.1             | 88.4          | 19.14                                 | 5,058.7                             | -392.7       | 846.0                  | 747.9                   | 98.05                     | 8.628             |                    |          |
| 16,200.0                                                                                          | 11,062.7              | 15,320.3              | 10,267.3              | 46.9             | 90.0          | 18.90                                 | 5,154.3                             | -397.6       | 842.8                  | 743.4                   | 99.46                     | 8.474             |                    |          |
| 16,300.0                                                                                          | 11,062.5              | 15,411.1              | 10,267.4              | 47.7             | 91.5          | 18.71                                 | 5,245.0                             | -401.1       | 841.5                  | 740.6                   | 100.88                    | 8.341             |                    |          |
| 16,400.0                                                                                          | 11,062.4              | 15,508.5              | 10,267.0              | 48.6             | 93.1          | 18.45                                 | 5,342.3                             | -405.5       | 840.5                  | 738.2                   | 102.26                    | 8.219             |                    |          |
| 16,500.0                                                                                          | 11,062.2              | 15,608.6              | 10,266.2              | 49.4             | 94.7          | 18.16                                 | 5,442.3                             | -410.2       | 839.8                  | 736.2                   | 103.62                    | 8.104             |                    |          |
| 16,600.0                                                                                          | 11,062.1              | 15,702.7              | 10,265.8              | 50.2             | 96.3          | 17.99                                 | 5,536.3                             | -413.2       | 839.2                  | 734.1                   | 105.04                    | 7.989             |                    |          |
| 16,607.2                                                                                          | 11,062.1              | 15,709.1              | 10,265.8              | 50.3             | 96.4          | 17.99                                 | 5,542.7                             | -413.3       | 839.2                  | 734.0                   | 105.14                    | 7.981             |                    |          |
| 16,700.0                                                                                          | 11,061.9              | 15,789.0              | 10,264.9              | 51.1             | 97.7          | 17.92                                 | 5,622.5                             | -414.4       | 839.8                  | 733.3                   | 106.48                    | 7.887             |                    |          |
| 16,800.0                                                                                          | 11,061.8              | 15,879.2              | 10,262.6              | 51.9             | 99.1          | 17.89                                 | 5,712.8                             | -414.7       | 842.1                  | 734.2                   | 107.95                    | 7.801             |                    |          |
| 16,900.0                                                                                          | 11,061.6              | 15,995.1              | 10,259.4              | 52.8             | 101.0         | 17.78                                 | 5,828.6                             | -416.1       | 844.4                  | 734.9                   | 109.53                    | 7.710             |                    |          |
| 17,000.0                                                                                          | 11,061.4              | 16,093.8              | 10,258.7              | 53.6             | 102.6         | 17.75                                 | 5,927.3                             | -416.8       | 845.0                  | 733.9                   | 111.07                    | 7.607             |                    |          |
| 17,100.0                                                                                          | 11,061.3              | 16,220.0              | 10,258.5              | 54.4             | 104.7         | 17.70                                 | 6,053.5                             | -418.2       | 844.9                  | 732.2                   | 112.69                    | 7.497             |                    |          |
| 17,200.0                                                                                          | 11,061.1              | 16,313.1              | 10,259.0              | 55.3             | 106.2         | 17.62                                 | 6,146.5                             | -420.2       | 843.6                  | 729.4                   | 114.19                    | 7.388             |                    |          |
| 17,300.0                                                                                          | 11,061.0              | 16,443.0              | 10,262.6              | 56.1             | 108.3         | 17.44                                 | 6,276.4                             | -424.8       | 839.8                  | 724.2                   | 115.64                    | 7.262             |                    |          |
| 17,400.0                                                                                          | 11,060.8              | 16,544.7              | 10,266.7              | 57.0             | 110.0         | 17.33                                 | 6,377.8                             | -428.4       | 834.8                  | 717.7                   | 117.13                    | 7.127             |                    |          |
| 17,500.0                                                                                          | 11,060.7              | 16,638.3              | 10,270.5              | 57.8             | 111.5         | 17.22                                 | 6,471.4                             | -431.7       | 830.0                  | 711.3                   | 118.63                    | 6.996             |                    |          |
| 17,600.0                                                                                          | 11,060.5              | 16,736.1              | 10,273.6              | 58.7             | 113.1         | 17.12                                 | 6,569.1                             | -434.7       | 826.0                  | 705.9                   | 120.13                    | 6.876             |                    |          |
| 17,700.0                                                                                          | 11,060.4              | 16,823.9              | 10,276.3              | 59.5             | 114.6         | 17.04                                 | 6,656.7                             | -437.3       | 822.3                  | 700.6                   | 121.66                    | 6.759             |                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FED COM #2H - LATERAL 01 - AWP-LAT 0 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Survey Program: 100- VES GyroFlex, 9732-MWD                                         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                    |          |
| 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  |
| 17,800.0                                                                            | 11,060.2              | 16,907.0              | 10,277.3              | 60.3             | 115.9         | 17.07                 | 6,739.9                             | -437.6       | 821.0                  | 697.7                   | 123.24                    | 6.661              |          |
| 17,863.3                                                                            | 11,060.1              | 16,966.0              | 10,277.7              | 60.9             | 116.9         | 17.14                 | 6,798.8                             | -436.9       | 820.8                  | 696.5                   | 124.29                    | 6.604              |          |
| 17,900.0                                                                            | 11,060.1              | 16,999.3              | 10,277.8              | 61.2             | 117.4         | 17.19                 | 6,832.1                             | -436.4       | 820.9                  | 696.0                   | 124.90                    | 6.572              |          |
| 18,000.0                                                                            | 11,059.9              | 17,087.8              | 10,277.3              | 62.0             | 118.9         | 17.33                 | 6,920.7                             | -434.7       | 821.9                  | 695.4                   | 126.53                    | 6.496              |          |
| 18,100.0                                                                            | 11,059.7              | 17,179.4              | 10,275.6              | 62.9             | 120.4         | 17.49                 | 7,012.2                             | -432.3       | 824.5                  | 696.3                   | 128.20                    | 6.432              |          |
| 18,200.0                                                                            | 11,059.6              | 17,290.1              | 10,273.9              | 63.7             | 122.2         | 17.64                 | 7,122.8                             | -430.1       | 826.6                  | 696.6                   | 129.99                    | 6.358              |          |
| 18,300.0                                                                            | 11,059.4              | 17,393.5              | 10,272.8              | 64.6             | 123.8         | 17.72                 | 7,226.2                             | -429.0       | 827.9                  | 696.2                   | 131.68                    | 6.287              |          |
| 18,400.0                                                                            | 11,059.3              | 17,493.6              | 10,271.9              | 65.4             | 125.5         | 17.77                 | 7,326.4                             | -428.5       | 828.9                  | 695.6                   | 133.33                    | 6.217              |          |
| 18,500.0                                                                            | 11,059.1              | 17,585.8              | 10,270.8              | 66.3             | 127.0         | 17.84                 | 7,418.5                             | -427.7       | 830.4                  | 695.4                   | 134.94                    | 6.154              |          |
| 18,600.0                                                                            | 11,059.0              | 17,699.1              | 10,269.1              | 67.1             | 128.8         | 17.95                 | 7,531.8                             | -426.1       | 832.3                  | 695.6                   | 136.73                    | 6.087              |          |
| 18,700.0                                                                            | 11,058.8              | 17,799.7              | 10,268.7              | 68.0             | 130.5         | 17.92                 | 7,632.4                             | -426.9       | 832.4                  | 694.1                   | 138.32                    | 6.018              |          |
| 18,800.0                                                                            | 11,058.7              | 17,926.9              | 10,269.3              | 68.8             | 132.6         | 17.71                 | 7,759.5                             | -431.0       | 831.0                  | 691.2                   | 139.80                    | 5.944              |          |
| 18,900.0                                                                            | 11,058.5              | 18,012.1              | 10,269.6              | 69.7             | 134.0         | 17.49                 | 7,844.6                             | -435.1       | 829.2                  | 688.0                   | 141.20                    | 5.872              |          |
| 19,000.0                                                                            | 11,058.4              | 18,140.8              | 10,272.3              | 70.5             | 136.1         | 17.09                 | 7,973.1                             | -442.5       | 825.2                  | 682.7                   | 142.45                    | 5.793              |          |
| 19,100.0                                                                            | 11,058.2              | 18,225.5              | 10,274.2              | 71.4             | 137.5         | 16.86                 | 8,057.6                             | -447.1       | 821.5                  | 677.6                   | 143.87                    | 5.710              |          |
| 19,200.0                                                                            | 11,058.0              | 18,308.0              | 10,274.4              | 72.2             | 138.9         | 16.65                 | 8,140.0                             | -450.7       | 819.9                  | 674.7                   | 145.26                    | 5.645              |          |
| 19,239.2                                                                            | 11,058.0              | 18,342.7              | 10,274.1              | 72.5             | 139.5         | 16.57                 | 8,174.7                             | -452.0       | 819.8                  | 674.0                   | 145.80                    | 5.623              |          |
| 19,300.0                                                                            | 11,057.9              | 18,398.5              | 10,273.3              | 73.0             | 140.4         | 16.44                 | 8,230.4                             | -454.1       | 820.1                  | 673.4                   | 146.62                    | 5.593              |          |
| 19,400.0                                                                            | 11,057.7              | 18,502.9              | 10,271.5              | 73.9             | 142.1         | 16.11                 | 8,334.7                             | -459.0       | 820.4                  | 672.5                   | 147.92                    | 5.546              |          |
| 19,500.0                                                                            | 11,057.6              | 18,606.8              | 10,270.2              | 74.7             | 143.8         | 15.81                 | 8,438.5                             | -463.8       | 820.3                  | 671.0                   | 149.23                    | 5.497              |          |
| 19,600.0                                                                            | 11,057.4              | 18,712.0              | 10,269.8              | 75.6             | 145.5         | 15.55                 | 8,543.6                             | -468.1       | 819.6                  | 669.0                   | 150.59                    | 5.442              |          |
| 19,700.0                                                                            | 11,057.3              | 18,817.1              | 10,270.1              | 76.5             | 147.3         | 15.33                 | 8,648.6                             | -472.0       | 818.3                  | 666.3                   | 151.98                    | 5.384              |          |
| 19,800.0                                                                            | 11,057.1              | 18,923.1              | 10,271.2              | 77.3             | 149.0         | 15.12                 | 8,754.6                             | -476.0       | 816.3                  | 662.9                   | 153.37                    | 5.323              |          |
| 19,900.0                                                                            | 11,057.0              | 19,013.9              | 10,272.4              | 78.2             | 150.5         | 14.98                 | 8,845.2                             | -478.9       | 814.2                  | 659.4                   | 154.82                    | 5.259              |          |
| 19,958.9                                                                            | 11,056.9              | 19,062.9              | 10,272.4              | 78.7             | 151.3         | 14.93                 | 8,894.2                             | -479.9       | 813.8                  | 658.2                   | 155.68                    | 5.227              |          |
| 20,000.0                                                                            | 11,056.8              | 19,096.1              | 10,272.1              | 79.0             | 151.9         | 14.92                 | 8,927.5                             | -480.2       | 814.0                  | 657.7                   | 156.30                    | 5.208              |          |
| 20,100.0                                                                            | 11,056.6              | 19,194.0              | 10,270.6              | 79.9             | 153.5         | 15.00                 | 9,025.4                             | -479.1       | 815.8                  | 657.8                   | 157.97                    | 5.164              |          |
| 20,200.0                                                                            | 11,056.5              | 19,318.2              | 10,271.4              | 80.7             | 155.5         | 15.16                 | 9,149.5                             | -477.6       | 815.5                  | 655.7                   | 159.83                    | 5.102              |          |
| 20,300.0                                                                            | 11,056.3              | 19,430.5              | 10,274.2              | 81.6             | 157.4         | 15.20                 | 9,261.8                             | -478.4       | 812.9                  | 651.4                   | 161.46                    | 5.035              |          |
| 20,400.0                                                                            | 11,056.2              | 19,530.6              | 10,276.9              | 82.4             | 159.0         | 15.12                 | 9,361.9                             | -480.9       | 809.6                  | 646.6                   | 162.97                    | 4.968              |          |
| 20,500.0                                                                            | 11,056.0              | 19,631.3              | 10,279.6              | 83.3             | 160.7         | 15.02                 | 9,462.5                             | -483.6       | 806.3                  | 641.8                   | 164.47                    | 4.902              |          |
| 20,600.0                                                                            | 11,055.9              | 19,730.8              | 10,282.1              | 84.1             | 162.3         | 14.87                 | 9,561.8                             | -487.0       | 803.0                  | 637.1                   | 165.91                    | 4.840              |          |
| 20,700.0                                                                            | 11,055.7              | 19,835.4              | 10,284.8              | 85.0             | 164.0         | 14.65                 | 9,666.3                             | -491.5       | 799.3                  | 632.1                   | 167.26                    | 4.779              |          |
| 20,800.0                                                                            | 11,055.6              | 19,933.6              | 10,287.6              | 85.8             | 165.6         | 14.46                 | 9,764.4                             | -495.5       | 795.5                  | 626.8                   | 168.66                    | 4.717              |          |
| 20,900.0                                                                            | 11,055.4              | 20,025.2              | 10,289.8              | 86.7             | 167.2         | 14.30                 | 9,855.9                             | -498.8       | 792.3                  | 622.1                   | 170.11                    | 4.657              |          |
| 21,000.0                                                                            | 11,055.3              | 20,117.9              | 10,290.9              | 87.5             | 168.7         | 14.14                 | 9,948.5                             | -501.9       | 790.3                  | 618.8                   | 171.54                    | 4.607              |          |
| 21,026.1                                                                            | 11,055.2              | 20,131.0              | 10,291.0              | 87.7             | 168.9         | 14.11                 | 9,961.7                             | -502.4       | 790.0                  | 618.1                   | 171.90                    | 4.596              |          |
| 21,100.0                                                                            | 11,055.1              | 20,131.0              | 10,291.0              | 88.4             | 168.9         | 14.11                 | 9,961.7                             | -502.4       | 793.4                  | 621.3                   | 172.14                    | 4.609              |          |
| 21,166.2                                                                            | 11,055.0              | 20,131.0              | 10,291.0              | 88.9             | 168.9         | 14.11                 | 9,961.7                             | -502.4       | 802.3                  | 631.1                   | 171.20                    | 4.686              |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-----------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FED COM #2H - OWB-PILOT HOLE - AWP |                       |                       |                       |                  |               |                       |                                     |                 |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Survey Program: 100- VES GyroFlex                                                 |                       |                       |                       |                  |               |                       |                                     |                 |                        |                         |                           |                    |          |
| 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                   | 1.9                   | 1.9                   | 3.0              | 3.0           | -106.77               | -123.1                              | -408.6          | 426.7                  |                         |                           |                    |          |
| 100.0                                                                             | 100.0                 | 103.5                 | 103.5                 | 3.0              | 3.0           | -106.75               | -122.9                              | -408.4          | 426.5                  | 420.5                   | 6.00                      | 71.084             |          |
| 200.0                                                                             | 200.0                 | 203.6                 | 203.6                 | 3.0              | 3.0           | -106.74               | -122.7                              | -408.1          | 426.2                  | 420.1                   | 6.01                      | 70.926             |          |
| 300.0                                                                             | 300.0                 | 300.0                 | 300.0                 | 3.0              | 3.0           | -106.71               | -122.5                              | -407.9          | 425.9                  | 419.9                   | 6.02                      | 70.745             |          |
| 306.2                                                                             | 306.2                 | 308.1                 | 308.1                 | 3.0              | 3.0           | -106.71               | -122.4                              | -407.9          | 425.9                  | 419.9                   | 6.02                      | 70.740             |          |
| 400.0                                                                             | 400.0                 | 397.8                 | 397.8                 | 3.0              | 3.0           | -106.68               | -122.4                              | -408.4          | 426.4                  | 420.3                   | 6.03                      | 70.751             |          |
| 500.0                                                                             | 500.0                 | 502.2                 | 502.2                 | 3.1              | 3.0           | -106.67               | -122.5                              | -408.9          | 426.8                  | 420.8                   | 6.04                      | 70.694             |          |
| 503.4                                                                             | 503.4                 | 505.3                 | 505.3                 | 3.1              | 3.0           | -106.67               | -122.5                              | -408.9          | 426.8                  | 420.8                   | 6.04                      | 70.689             |          |
| 600.0                                                                             | 600.0                 | 597.9                 | 597.9                 | 3.1              | 3.0           | -106.66               | -122.5                              | -409.3          | 427.3                  | 421.2                   | 6.05                      | 70.593             |          |
| 700.0                                                                             | 700.0                 | 697.9                 | 697.9                 | 3.1              | 3.1           | -106.59               | -122.2                              | -410.4          | 428.2                  | 422.2                   | 6.07                      | 70.523             |          |
| 800.0                                                                             | 800.0                 | 797.7                 | 797.6                 | 3.2              | 3.1           | -106.47               | -121.7                              | -411.6          | 429.2                  | 423.1                   | 6.10                      | 70.374             |          |
| 900.0                                                                             | 900.0                 | 897.3                 | 897.3                 | 3.2              | 3.1           | -106.34               | -121.0                              | -412.8          | 430.2                  | 424.1                   | 6.13                      | 70.161             |          |
| 1,000.0                                                                           | 1,000.0               | 997.6                 | 997.6                 | 3.2              | 3.2           | -106.23               | -120.5                              | -414.1          | 431.3                  | 425.1                   | 6.17                      | 69.863             |          |
| 1,100.0                                                                           | 1,100.0               | 1,095.4               | 1,095.4               | 3.3              | 3.2           | -106.14               | -120.2                              | -415.4          | 432.5                  | 426.3                   | 6.22                      | 69.516             |          |
| 1,200.0                                                                           | 1,200.0               | 1,193.8               | 1,193.8               | 3.4              | 3.2           | -106.04               | -119.9                              | -417.2          | 434.2                  | 427.9                   | 6.28                      | 69.152             |          |
| 1,300.0                                                                           | 1,300.0               | 1,298.5               | 1,298.4               | 3.4              | 3.3           | -105.98               | -119.9                              | -418.7          | 435.6                  | 429.2                   | 6.35                      | 68.603             |          |
| 1,400.0                                                                           | 1,400.0               | 1,396.8               | 1,396.8               | 3.5              | 3.4           | -105.93               | -119.8                              | -419.8          | 436.6                  | 430.1                   | 6.42                      | 67.963             |          |
| 1,500.0                                                                           | 1,500.0               | 1,501.7               | 1,501.7               | 3.5              | 3.4           | -105.88               | -119.6                              | -420.5          | 437.2                  | 430.7                   | 6.50                      | 67.305             |          |
| 1,600.0                                                                           | 1,600.0               | 1,600.8               | 1,600.8               | 3.6              | 3.5           | -105.84               | -119.4                              | -420.8          | 437.4                  | 430.8                   | 6.57                      | 66.622             |          |
| 1,700.0                                                                           | 1,700.0               | 1,700.2               | 1,700.1               | 3.7              | 3.6           | -105.82               | -119.3                              | -421.1          | 437.7                  | 431.1                   | 6.65                      | 65.798             |          |
| 1,800.0                                                                           | 1,800.0               | 1,800.0               | 1,799.9               | 3.8              | 3.7           | -105.78               | -119.1                              | -421.6          | 438.2                  | 431.4                   | 6.75                      | 64.951             |          |
| 1,900.0                                                                           | 1,900.0               | 1,897.6               | 1,897.5               | 3.9              | 3.7           | -105.75               | -119.1                              | -422.4          | 438.9                  | 432.0                   | 6.84                      | 64.126             |          |
| 2,000.0                                                                           | 2,000.0               | 1,997.0               | 1,996.9               | 3.9              | 3.8           | -105.74               | -119.4                              | -423.4          | 439.9                  | 433.0                   | 6.96                      | 63.232             |          |
| 2,100.0                                                                           | 2,100.0               | 2,095.3               | 2,095.2               | 4.0              | 3.9           | -105.73               | -119.6                              | -424.7          | 441.3                  | 434.2                   | 7.08                      | 62.358             |          |
| 2,200.0                                                                           | 2,200.0               | 2,196.0               | 2,195.9               | 4.1              | 4.0           | -105.70               | -119.8                              | -426.2          | 442.7                  | 435.5                   | 7.20                      | 61.465             |          |
| 2,300.0                                                                           | 2,300.0               | 2,296.3               | 2,296.2               | 4.2              | 4.1           | -105.74               | -120.4                              | -427.4          | 444.0                  | 436.7                   | 7.33                      | 60.584             |          |
| 2,400.0                                                                           | 2,400.0               | 2,397.9               | 2,397.7               | 4.3              | 4.1           | -105.90               | -122.0                              | -428.1          | 445.2                  | 437.7                   | 7.44                      | 59.807             |          |
| 2,500.0                                                                           | 2,500.0               | 2,502.3               | 2,502.2               | 4.4              | 4.1           | -106.19               | -124.2                              | -427.9          | 445.6                  | 438.1                   | 7.53                      | 59.176             |          |
| 2,600.0                                                                           | 2,600.0               | 2,605.3               | 2,605.1               | 4.4              | 4.1           | 0.48                  | -127.0                              | -426.7          | 443.5                  | 435.9                   | 7.58                      | 58.514             |          |
| 2,700.0                                                                           | 2,699.8               | 2,711.3               | 2,711.0               | 4.5              | 4.1           | 0.04                  | -129.9                              | -424.2          | 436.8                  | 429.2                   | 7.60                      | 57.476             |          |
| 2,713.9                                                                           | 2,713.7               | 2,725.7               | 2,725.4               | 4.5              | 4.1           | -0.03                 | -130.2                              | -423.8          | 435.5                  | 427.9                   | 7.60                      | 57.291             |          |
| 2,800.0                                                                           | 2,799.6               | 2,814.9               | 2,814.5               | 4.5              | 4.1           | -0.43                 | -132.4                              | -420.7          | 426.8                  | 419.2                   | 7.61                      | 56.073             |          |
| 2,900.0                                                                           | 2,899.3               | 2,919.2               | 2,918.7               | 4.5              | 4.0           | -0.86                 | -134.1                              | -416.1          | 415.7                  | 408.1                   | 7.62                      | 54.543             |          |
| 3,000.0                                                                           | 2,999.0               | 3,020.9               | 3,020.3               | 4.5              | 4.0           | -1.25                 | -135.2                              | -410.9          | 403.7                  | 396.1                   | 7.63                      | 52.891             |          |
| 3,100.0                                                                           | 3,098.7               | 3,121.9               | 3,121.2               | 4.5              | 4.0           | -1.60                 | -135.7                              | -405.4          | 391.3                  | 383.6                   | 7.65                      | 51.132             |          |
| 3,200.0                                                                           | 3,198.4               | 3,222.4               | 3,221.4               | 4.6              | 4.0           | -1.94                 | -135.8                              | -399.6          | 378.4                  | 370.7                   | 7.68                      | 49.276             |          |
| 3,300.0                                                                           | 3,298.2               | 3,321.3               | 3,320.2               | 4.6              | 4.0           | -2.26                 | -135.7                              | -393.8          | 365.4                  | 357.7                   | 7.71                      | 47.365             |          |
| 3,400.0                                                                           | 3,397.9               | 3,419.4               | 3,418.2               | 4.6              | 4.0           | -2.57                 | -135.5                              | -388.3          | 352.6                  | 344.9                   | 7.76                      | 45.453             |          |
| 3,500.0                                                                           | 3,497.6               | 3,518.7               | 3,517.3               | 4.7              | 4.0           | -2.91                 | -135.4                              | -382.8          | 340.0                  | 332.2                   | 7.81                      | 43.525             |          |
| 3,600.0                                                                           | 3,597.3               | 3,618.0               | 3,616.4               | 4.7              | 4.0           | -3.28                 | -135.2                              | -377.4          | 327.3                  | 319.4                   | 7.87                      | 41.572             |          |
| 3,700.0                                                                           | 3,697.1               | 3,716.7               | 3,714.9               | 4.8              | 4.0           | -3.69                 | -135.1                              | -372.0          | 314.7                  | 306.8                   | 7.94                      | 39.621             |          |
| 3,800.0                                                                           | 3,796.8               | 3,815.3               | 3,813.4               | 4.8              | 4.0           | -4.13                 | -135.1                              | -366.7          | 302.3                  | 294.3                   | 8.02                      | 37.690             |          |
| 3,900.0                                                                           | 3,896.5               | 3,913.8               | 3,911.8               | 4.9              | 4.1           | -4.62                 | -135.2                              | -361.6          | 290.1                  | 282.0                   | 8.11                      | 35.793             |          |
| 4,000.0                                                                           | 3,996.2               | 4,012.5               | 4,010.4               | 4.9              | 4.1           | -5.12                 | -135.3                              | -356.8          | 278.2                  | 270.0                   | 8.20                      | 33.932             |          |
| 4,100.0                                                                           | 4,095.9               | 4,110.6               | 4,108.4               | 5.0              | 4.1           | -5.65                 | -135.4                              | -352.3          | 266.6                  | 258.3                   | 8.30                      | 32.133             |          |
| 4,200.0                                                                           | 4,195.7               | 4,209.7               | 4,207.4               | 5.1              | 4.2           | -6.22                 | -135.5                              | -348.0          | 255.3                  | 246.9                   | 8.40                      | 30.382             |          |
| 4,300.0                                                                           | 4,295.4               | 4,308.8               | 4,306.4               | 5.1              | 4.2           | -6.85                 | -135.7                              | -343.8          | 244.1                  | 235.6                   | 8.51                      | 28.669             |          |
| 4,400.0                                                                           | 4,395.1               | 4,407.4               | 4,405.0               | 5.2              | 4.3           | -7.55                 | -136.1                              | -339.8          | 233.2                  | 224.5                   | 8.63                      | 27.015             |          |
| 4,500.0                                                                           | 4,494.8               | 4,506.6               | 4,504.0               | 5.3              | 4.3           | -8.32                 | -136.5                              | -336.0          | 222.4                  | 213.7                   | 8.75                      | 25.416             |          |
| 4,600.0                                                                           | 4,594.5               | 4,605.4               | 4,602.8               | 5.3              | 4.4           | -9.18                 | -137.1                              | -332.2          | 211.9                  | 203.1                   | 8.87                      | 23.881             |          |
| 4,700.0                                                                           | 4,694.3               | 4,704.9               | 4,702.2               | 5.4              | 4.5           | -10.11                | -137.6                              | -328.7          | 201.6                  | 192.6                   | 9.00                      | 22.396             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-----------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 100- VES GyroFlex |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | 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  |          |
| 4,800.0                           | 4,794.0               | 4,804.3               | 4,801.5               | 5.5              | 4.5           | -11.09                | -138.0                              | -325.1       | 191.3                  | 182.2                   | 9.13                      | 20.949             |          |
| 4,900.0                           | 4,893.7               | 4,903.6               | 4,900.7               | 5.6              | 4.6           | -12.23                | -138.6                              | -321.6       | 181.2                  | 171.9                   | 9.26                      | 19.553             |          |
| 5,000.0                           | 4,993.4               | 5,003.4               | 5,000.5               | 5.7              | 4.7           | -13.55                | -139.2                              | -317.8       | 171.0                  | 161.6                   | 9.40                      | 18.193             |          |
| 5,100.0                           | 5,093.2               | 5,102.3               | 5,099.4               | 5.7              | 4.8           | -15.06                | -139.9                              | -314.1       | 160.9                  | 151.4                   | 9.52                      | 16.892             |          |
| 5,200.0                           | 5,192.9               | 5,201.3               | 5,198.3               | 5.8              | 4.9           | -16.80                | -140.8                              | -310.6       | 151.2                  | 141.6                   | 9.65                      | 15.673             |          |
| 5,300.0                           | 5,292.6               | 5,300.8               | 5,297.7               | 5.9              | 5.0           | -18.74                | -141.7                              | -307.2       | 141.8                  | 132.0                   | 9.77                      | 14.515             |          |
| 5,400.0                           | 5,392.3               | 5,400.0               | 5,396.8               | 6.0              | 5.1           | -20.88                | -142.5                              | -304.0       | 132.7                  | 122.8                   | 9.88                      | 13.425             |          |
| 5,500.0                           | 5,492.0               | 5,499.2               | 5,496.0               | 6.1              | 5.2           | -23.28                | -143.4                              | -301.0       | 124.0                  | 114.0                   | 9.99                      | 12.407             |          |
| 5,600.0                           | 5,591.8               | 5,598.3               | 5,595.0               | 6.2              | 5.3           | -25.97                | -144.3                              | -298.2       | 115.8                  | 105.7                   | 10.10                     | 11.469             |          |
| 5,700.0                           | 5,691.5               | 5,698.0               | 5,694.7               | 6.3              | 5.4           | -28.93                | -145.2                              | -295.7       | 108.0                  | 97.8                    | 10.19                     | 10.592             |          |
| 5,800.0                           | 5,791.2               | 5,797.7               | 5,794.4               | 6.4              | 5.5           | -32.13                | -145.6                              | -293.4       | 100.3                  | 90.0                    | 10.29                     | 9.745              |          |
| 5,900.0                           | 5,890.9               | 5,897.5               | 5,894.1               | 6.5              | 5.6           | -35.42                | -145.5                              | -291.5       | 92.8                   | 82.4                    | 10.40                     | 8.923              |          |
| 6,000.0                           | 5,990.6               | 5,997.0               | 5,993.6               | 6.6              | 5.7           | -38.93                | -145.0                              | -289.9       | 85.5                   | 75.0                    | 10.50                     | 8.137              |          |
| 6,100.0                           | 6,090.4               | 6,096.6               | 6,093.3               | 6.6              | 5.8           | -43.15                | -144.5                              | -288.3       | 78.6                   | 68.0                    | 10.61                     | 7.406              |          |
| 6,200.0                           | 6,190.1               | 6,196.1               | 6,192.7               | 6.7              | 5.9           | -48.29                | -144.2                              | -286.5       | 72.2                   | 61.5                    | 10.72                     | 6.736              |          |
| 6,300.0                           | 6,289.8               | 6,295.6               | 6,292.2               | 6.8              | 6.0           | -54.41                | -143.9                              | -284.7       | 66.6                   | 55.8                    | 10.84                     | 6.145              |          |
| 6,400.0                           | 6,389.5               | 6,395.2               | 6,391.8               | 6.9              | 6.1           | -61.19                | -143.6                              | -283.2       | 61.9                   | 50.9                    | 11.01                     | 5.625              |          |
| 6,500.0                           | 6,489.3               | 6,494.8               | 6,491.4               | 7.0              | 6.2           | -68.79                | -143.3                              | -282.0       | 58.3                   | 47.0                    | 11.24                     | 5.185              |          |
| 6,600.0                           | 6,589.0               | 6,594.3               | 6,590.9               | 7.2              | 6.3           | -77.08                | -143.1                              | -280.8       | 55.9                   | 44.3                    | 11.55                     | 4.839              |          |
| 6,700.0                           | 6,688.7               | 6,693.8               | 6,690.4               | 7.3              | 6.5           | -85.88                | -143.1                              | -279.6       | 54.9                   | 43.0                    | 11.95                     | 4.595              |          |
| 6,712.1                           | 6,700.8               | 6,705.9               | 6,702.5               | 7.3              | 6.5           | -86.97                | -143.1                              | -279.5       | 54.9                   | 42.9                    | 12.01                     | 4.573 CC, ES       |          |
| 6,800.0                           | 6,788.4               | 6,793.3               | 6,789.9               | 7.4              | 6.6           | -94.48                | -143.4                              | -278.6       | 55.5                   | 43.1                    | 12.43                     | 4.470              |          |
| 6,900.0                           | 6,888.1               | 6,892.9               | 6,889.4               | 7.5              | 6.7           | -102.33               | -144.0                              | -277.9       | 57.6                   | 44.6                    | 12.93                     | 4.454 SF           |          |
| 7,000.0                           | 6,987.9               | 6,992.5               | 6,989.1               | 7.6              | 6.8           | -109.52               | -144.8                              | -277.0       | 60.7                   | 47.3                    | 13.42                     | 4.526              |          |
| 7,100.0                           | 7,087.6               | 7,091.7               | 7,088.2               | 7.7              | 6.9           | -115.59               | -146.1                              | -276.2       | 65.1                   | 51.3                    | 13.87                     | 4.695              |          |
| 7,200.0                           | 7,187.3               | 7,190.6               | 7,187.1               | 7.8              | 7.0           | -120.46               | -148.3                              | -275.1       | 71.1                   | 56.8                    | 14.27                     | 4.980              |          |
| 7,300.0                           | 7,287.0               | 7,290.2               | 7,286.7               | 7.9              | 7.1           | -124.15               | -151.4                              | -273.8       | 78.0                   | 63.4                    | 14.60                     | 5.344              |          |
| 7,400.0                           | 7,386.7               | 7,390.5               | 7,386.9               | 8.0              | 7.2           | -126.93               | -154.6                              | -273.1       | 84.9                   | 70.0                    | 14.89                     | 5.701              |          |
| 7,500.0                           | 7,486.5               | 7,490.9               | 7,487.2               | 8.1              | 7.2           | -129.52               | -157.1                              | -272.8       | 91.1                   | 75.9                    | 15.15                     | 6.012              |          |
| 7,600.0                           | 7,586.2               | 7,590.7               | 7,587.1               | 8.2              | 7.3           | -132.20               | -158.7                              | -272.6       | 97.1                   | 81.7                    | 15.42                     | 6.297              |          |
| 7,700.0                           | 7,685.9               | 7,690.1               | 7,686.5               | 8.3              | 7.4           | -134.54               | -160.4                              | -272.2       | 103.4                  | 87.7                    | 15.67                     | 6.598              |          |
| 7,800.0                           | 7,785.6               | 7,789.7               | 7,786.1               | 8.4              | 7.5           | -136.53               | -162.3                              | -271.8       | 110.0                  | 94.1                    | 15.90                     | 6.917              |          |
| 7,900.0                           | 7,885.4               | 7,889.7               | 7,886.0               | 8.5              | 7.6           | -138.37               | -164.1                              | -271.2       | 116.7                  | 100.6                   | 16.13                     | 7.236              |          |
| 8,000.0                           | 7,985.1               | 7,990.4               | 7,986.7               | 8.7              | 7.7           | -140.20               | -165.4                              | -271.0       | 123.1                  | 106.8                   | 16.34                     | 7.532              |          |
| 8,100.0                           | 8,084.8               | 8,090.6               | 8,086.9               | 8.8              | 7.7           | -142.13               | -165.8                              | -271.2       | 128.9                  | 112.4                   | 16.51                     | 7.809              |          |
| 8,200.0                           | 8,184.5               | 8,190.2               | 8,186.5               | 8.9              | 7.8           | -143.92               | -166.1                              | -271.4       | 134.8                  | 118.1                   | 16.65                     | 8.095              |          |
| 8,300.0                           | 8,284.2               | 8,289.9               | 8,286.2               | 9.0              | 7.8           | -145.58               | -166.4                              | -271.6       | 140.8                  | 124.0                   | 16.79                     | 8.387              |          |
| 8,400.0                           | 8,384.0               | 8,389.0               | 8,385.3               | 9.1              | 7.9           | -146.91               | -167.2                              | -271.6       | 147.2                  | 130.3                   | 16.95                     | 8.683              |          |
| 8,500.0                           | 8,483.7               | 8,488.2               | 8,484.5               | 9.2              | 8.0           | -148.00               | -168.4                              | -271.4       | 154.1                  | 136.9                   | 17.14                     | 8.988              |          |
| 8,600.0                           | 8,583.4               | 8,587.7               | 8,584.0               | 9.3              | 8.1           | -149.03               | -169.7                              | -270.9       | 161.2                  | 143.9                   | 17.34                     | 9.298              |          |
| 8,700.0                           | 8,683.1               | 8,687.6               | 8,683.8               | 9.5              | 8.2           | -149.88               | -171.1                              | -270.5       | 168.4                  | 150.9                   | 17.53                     | 9.607              |          |
| 8,800.0                           | 8,782.8               | 8,787.7               | 8,783.9               | 9.6              | 8.3           | -150.56               | -172.9                              | -270.3       | 175.5                  | 157.7                   | 17.71                     | 9.907              |          |
| 8,900.0                           | 8,882.6               | 8,887.8               | 8,884.0               | 9.7              | 8.4           | -151.24               | -174.4                              | -270.2       | 182.3                  | 164.5                   | 17.89                     | 10.195             |          |
| 9,000.0                           | 8,982.3               | 8,986.9               | 8,983.1               | 9.8              | 8.6           | -152.04               | -175.4                              | -270.0       | 189.3                  | 171.2                   | 18.06                     | 10.479             |          |
| 9,100.0                           | 9,082.0               | 9,085.9               | 9,082.2               | 9.9              | 8.7           | -152.79               | -176.4                              | -269.5       | 196.6                  | 178.4                   | 18.26                     | 10.766             |          |
| 9,200.0                           | 9,181.7               | 9,186.9               | 9,183.1               | 10.0             | 8.8           | -153.52               | -177.4                              | -269.0       | 203.9                  | 185.5                   | 18.45                     | 11.051             |          |
| 9,300.0                           | 9,281.4               | 9,287.0               | 9,283.3               | 10.2             | 8.9           | -154.13               | -178.5                              | -269.1       | 210.7                  | 192.1                   | 18.62                     | 11.319             |          |
| 9,400.0                           | 9,381.2               | 9,386.6               | 9,382.8               | 10.3             | 9.0           | -154.71               | -179.5                              | -269.2       | 217.5                  | 198.8                   | 18.78                     | 11.586             |          |
| 9,500.0                           | 9,480.9               | 9,486.3               | 9,482.5               | 10.4             | 9.1           | -155.21               | -180.8                              | -269.2       | 224.5                  | 205.5                   | 18.94                     | 11.850             |          |
| 9,600.0                           | 9,580.6               | 9,586.1               | 9,582.3               | 10.5             | 9.2           | -155.66               | -182.1                              | -269.2       | 231.4                  | 212.3                   | 19.11                     | 12.110             |          |
| 9,700.0                           | 9,680.3               | 9,684.9               | 9,681.1               | 10.6             | 9.3           | -156.12               | -183.3                              | -269.1       | 238.4                  | 219.2                   | 19.28                     | 12.367             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------|--------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 100- VES GyroFlex |                       |                       |                       |                 |        |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                         |                       |                       |                       | Semi Major Axis |        |                       | Distance                            |              |                        |                         |                           |                    |          |
| Measured Depth (usft)             | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference       | Offset | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 9,800.0                           | 9,780.1               | 9,785.7               | 9,781.8               | 10.8            | 9.4    | -156.59               | -184.3                              | -268.9       | 245.6                  | 226.2                   | 19.45                     | 12.626             |          |
| 9,900.0                           | 9,879.8               | 9,884.3               | 9,880.5               | 10.9            | 9.6    | -157.10               | -185.0                              | -268.8       | 252.7                  | 233.0                   | 19.63                     | 12.873             |          |
| 10,000.0                          | 9,979.5               | 9,984.2               | 9,980.4               | 11.0            | 9.7    | -157.58               | -185.8                              | -268.4       | 260.0                  | 240.2                   | 19.82                     | 13.120             |          |
| 10,100.0                          | 10,079.2              | 10,083.6              | 10,079.8              | 11.1            | 9.8    | -158.01               | -186.6                              | -268.0       | 267.4                  | 247.4                   | 20.01                     | 13.361             |          |
| 10,200.0                          | 10,178.9              | 10,181.6              | 10,177.7              | 11.2            | 9.9    | -158.49               | -187.1                              | -267.3       | 275.1                  | 254.8                   | 20.22                     | 13.606             |          |
| 10,300.0                          | 10,278.7              | 10,282.6              | 10,278.7              | 11.4            | 10.0   | -159.19               | -186.5                              | -266.2       | 283.0                  | 262.6                   | 20.41                     | 13.869             |          |
| 10,400.0                          | 10,378.4              | 10,384.0              | 10,380.1              | 11.5            | 10.0   | -159.95               | -185.4                              | -265.8       | 290.4                  | 269.8                   | 20.57                     | 14.116             |          |
| 10,500.0                          | 10,478.1              | 10,483.8              | 10,480.0              | 11.6            | 10.0   | -160.68               | -184.2                              | -265.8       | 297.4                  | 276.7                   | 20.72                     | 14.356             |          |
| 10,606.0                          | 10,583.8              | 10,589.7              | 10,585.8              | 11.7            | 10.0   | -161.44               | -182.7                              | -265.7       | 304.9                  | 284.0                   | 20.87                     | 14.608             |          |
| 10,625.0                          | 10,602.8              | 10,608.7              | 10,604.9              | 11.8            | 10.0   | 167.34                | -182.5                              | -265.7       | 306.2                  | 285.3                   | 20.91                     | 14.641             |          |
| 10,650.0                          | 10,627.7              | 10,633.8              | 10,630.0              | 11.8            | 10.0   | 137.21                | -182.1                              | -265.8       | 308.0                  | 287.1                   | 20.93                     | 14.714             |          |
| 10,675.0                          | 10,652.5              | 10,658.9              | 10,655.0              | 11.8            | 10.0   | 122.31                | -181.7                              | -265.8       | 309.8                  | 288.9                   | 20.96                     | 14.780             |          |
| 10,700.0                          | 10,677.1              | 10,683.8              | 10,679.9              | 11.8            | 10.0   | 114.76                | -181.3                              | -265.8       | 311.7                  | 290.7                   | 21.00                     | 14.842             |          |
| 10,725.0                          | 10,701.6              | 10,708.7              | 10,704.8              | 11.8            | 10.0   | 110.65                | -180.9                              | -265.9       | 313.7                  | 292.7                   | 21.05                     | 14.901             |          |
| 10,750.0                          | 10,725.7              | 10,733.7              | 10,729.8              | 11.8            | 10.0   | 108.38                | -180.4                              | -266.0       | 315.8                  | 294.7                   | 21.11                     | 14.961             |          |
| 10,775.0                          | 10,749.5              | 10,745.0              | 10,741.1              | 11.8            | 10.0   | 106.48                | -180.2                              | -266.1       | 318.3                  | 297.1                   | 21.27                     | 14.968             |          |
| 10,800.0                          | 10,772.8              | 10,745.0              | 10,741.1              | 11.8            | 10.0   | 104.37                | -180.2                              | -266.1       | 322.7                  | 300.6                   | 22.12                     | 14.587             |          |
| 10,825.0                          | 10,795.7              | 10,745.0              | 10,741.1              | 11.8            | 10.0   | 102.40                | -180.2                              | -266.1       | 328.9                  | 305.4                   | 23.56                     | 13.964             |          |
| 10,850.0                          | 10,818.0              | 10,745.0              | 10,741.1              | 11.8            | 10.0   | 100.43                | -180.2                              | -266.1       | 337.0                  | 311.7                   | 25.30                     | 13.319             |          |
| 10,875.0                          | 10,839.6              | 10,745.0              | 10,741.1              | 11.8            | 10.0   | 98.41                 | -180.2                              | -266.1       | 346.7                  | 319.6                   | 27.15                     | 12.772             |          |
| 10,900.0                          | 10,860.6              | 10,745.0              | 10,741.1              | 11.8            | 10.0   | 96.29                 | -180.2                              | -266.1       | 357.9                  | 329.0                   | 28.95                     | 12.365             |          |
| 10,925.0                          | 10,880.9              | 10,745.0              | 10,741.1              | 11.9            | 10.0   | 94.04                 | -180.2                              | -266.1       | 370.5                  | 339.9                   | 30.62                     | 12.099             |          |
| 10,950.0                          | 10,900.4              | 10,745.0              | 10,741.1              | 11.9            | 10.0   | 91.65                 | -180.2                              | -266.1       | 384.2                  | 352.1                   | 32.12                     | 11.961             |          |
| 10,975.0                          | 10,919.1              | 10,745.0              | 10,741.1              | 11.9            | 10.0   | 89.11                 | -180.2                              | -266.1       | 398.9                  | 365.5                   | 33.43                     | 11.934             |          |
| 11,000.0                          | 10,936.8              | 10,745.0              | 10,741.1              | 11.9            | 10.0   | 86.43                 | -180.2                              | -266.1       | 414.5                  | 380.0                   | 34.54                     | 12.003             |          |
| 11,025.0                          | 10,953.6              | 10,745.0              | 10,741.1              | 11.9            | 10.0   | 83.62                 | -180.2                              | -266.1       | 430.8                  | 395.4                   | 35.45                     | 12.153             |          |
| 11,050.0                          | 10,969.5              | 10,745.0              | 10,741.1              | 12.0            | 10.0   | 80.71                 | -180.2                              | -266.1       | 447.8                  | 411.6                   | 36.18                     | 12.375             |          |
| 11,075.0                          | 10,984.3              | 10,745.0              | 10,741.1              | 12.0            | 10.0   | 77.71                 | -180.2                              | -266.1       | 465.2                  | 428.4                   | 36.75                     | 12.659             |          |
| 11,100.0                          | 10,998.0              | 10,745.0              | 10,741.1              | 12.0            | 10.0   | 74.65                 | -180.2                              | -266.1       | 483.0                  | 445.9                   | 37.16                     | 12.999             |          |
| 11,125.0                          | 11,010.6              | 10,745.0              | 10,741.1              | 12.0            | 10.0   | 71.56                 | -180.2                              | -266.1       | 501.2                  | 463.7                   | 37.43                     | 13.391             |          |
| 11,150.0                          | 11,022.1              | 10,745.0              | 10,741.1              | 12.1            | 10.0   | 68.48                 | -180.2                              | -266.1       | 519.5                  | 482.0                   | 37.57                     | 13.829             |          |
| 11,175.0                          | 11,032.4              | 10,745.0              | 10,741.1              | 12.1            | 10.0   | 65.44                 | -180.2                              | -266.1       | 538.1                  | 500.5                   | 37.60                     | 14.311             |          |
| 11,200.0                          | 11,041.5              | 10,745.0              | 10,741.1              | 12.2            | 10.0   | 62.46                 | -180.2                              | -266.1       | 556.7                  | 519.2                   | 37.52                     | 14.837             |          |
| 11,225.0                          | 11,049.4              | 10,745.0              | 10,741.1              | 12.2            | 10.0   | 59.57                 | -180.2                              | -266.1       | 575.3                  | 538.0                   | 37.35                     | 15.403             |          |
| 11,250.0                          | 11,056.0              | 10,745.0              | 10,741.1              | 12.2            | 10.0   | 56.80                 | -180.2                              | -266.1       | 594.0                  | 556.9                   | 37.10                     | 16.010             |          |
| 11,275.0                          | 11,061.4              | 10,745.0              | 10,741.1              | 12.3            | 10.0   | 54.15                 | -180.2                              | -266.1       | 612.6                  | 575.8                   | 36.77                     | 16.658             |          |
| 11,300.0                          | 11,065.5              | 10,745.0              | 10,741.1              | 12.3            | 10.0   | 51.64                 | -180.2                              | -266.1       | 631.1                  | 594.7                   | 36.38                     | 17.346             |          |
| 11,325.0                          | 11,068.3              | 10,745.0              | 10,741.1              | 12.4            | 10.0   | 49.28                 | -180.2                              | -266.1       | 649.4                  | 613.5                   | 35.93                     | 18.076             |          |
| 11,350.0                          | 11,069.8              | 10,745.0              | 10,741.1              | 12.4            | 10.0   | 47.06                 | -180.2                              | -266.1       | 667.5                  | 632.1                   | 35.42                     | 18.848             |          |
| 11,366.7                          | 11,070.0              | 10,745.0              | 10,741.1              | 12.5            | 10.0   | 45.66                 | -180.2                              | -266.1       | 679.6                  | 644.5                   | 35.05                     | 19.390             |          |
| 11,400.0                          | 11,070.0              | 10,745.0              | 10,741.1              | 12.6            | 10.0   | 45.66                 | -180.2                              | -266.1       | 703.8                  | 669.5                   | 34.32                     | 20.507             |          |
| 11,500.0                          | 11,069.8              | 10,745.0              | 10,741.1              | 12.9            | 10.0   | 45.66                 | -180.2                              | -266.1       | 780.6                  | 748.2                   | 32.36                     | 24.123             |          |
| 11,600.0                          | 11,069.7              | 10,745.0              | 10,741.1              | 13.2            | 10.0   | 45.66                 | -180.2                              | -266.1       | 862.1                  | 831.4                   | 30.72                     | 28.065             |          |
| 11,700.0                          | 11,069.5              | 10,745.0              | 10,741.1              | 13.6            | 10.0   | 45.66                 | -180.2                              | -266.1       | 947.2                  | 917.9                   | 29.37                     | 32.255             |          |
| 11,800.0                          | 11,069.4              | 10,745.0              | 10,741.1              | 14.0            | 10.0   | 45.66                 | -180.2                              | -266.1       | 1,035.0                | 1,006.7                 | 28.25                     | 36.631             |          |
| 11,900.0                          | 11,069.2              | 10,745.0              | 10,741.1              | 14.5            | 10.0   | 45.66                 | -180.2                              | -266.1       | 1,124.8                | 1,097.5                 | 27.34                     | 41.140             |          |
| 12,000.0                          | 11,069.1              | 10,745.0              | 10,741.1              | 15.0            | 10.0   | 45.66                 | -180.2                              | -266.1       | 1,216.2                | 1,189.6                 | 26.59                     | 45.741             |          |
| 12,100.0                          | 11,068.9              | 10,745.0              | 10,741.1              | 15.6            | 10.0   | 45.66                 | -180.2                              | -266.1       | 1,308.9                | 1,282.9                 | 25.97                     | 50.403             |          |
| 12,200.0                          | 11,068.8              | 10,745.0              | 10,741.1              | 16.1            | 10.0   | 45.66                 | -180.2                              | -266.1       | 1,402.5                | 1,377.1                 | 25.45                     | 55.101             |          |
| 12,300.0                          | 11,068.6              | 10,745.0              | 10,741.1              | 16.7            | 10.0   | 45.66                 | -180.2                              | -266.1       | 1,497.0                | 1,472.0                 | 25.03                     | 59.815             |          |
| 12,400.0                          | 11,068.5              | 10,745.0              | 10,741.1              | 17.3            | 10.0   | 45.66                 | -180.2                              | -266.1       | 1,592.2                | 1,567.5                 | 24.67                     | 64.530             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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> ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FED COM #2H - OWB-PILOT HOLE - AWP |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.0 usft |
|--------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| <b>Survey Program:</b> 100- VES GyroFlex                                                               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <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  |
| 12,500.0                                                                                               | 11,068.3              | 10,745.0              | 10,741.1              | 18.0             | 10.0          | 45.66                 | -180.2                              | -266.1       | 1,687.9                | 1,663.5                 | 24.38                     | 69.234                    |          |
| 12,600.0                                                                                               | 11,068.2              | 10,745.0              | 10,741.1              | 18.6             | 10.0          | 45.66                 | -180.2                              | -266.1       | 1,784.1                | 1,760.0                 | 24.14                     | 73.919                    |          |
| 12,700.0                                                                                               | 11,068.0              | 10,745.0              | 10,741.1              | 19.3             | 10.0          | 45.66                 | -180.2                              | -266.1       | 1,880.7                | 1,856.7                 | 23.93                     | 78.575                    |          |
| 12,800.0                                                                                               | 11,067.9              | 10,745.0              | 10,741.1              | 20.0             | 10.0          | 45.66                 | -180.2                              | -266.1       | 1,977.6                | 1,953.8                 | 23.77                     | 83.199                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10581-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 |                    |          |
| 0.0                                                        | 0.0                   | 0.0                   | 0.0                   | 3.0              | 3.0           | 89.90                 | 0.1                                 | 60.0         | 60.0                   |                         |                           |                   |                    |          |
| 100.0                                                      | 100.0                 | 99.3                  | 99.3                  | 3.0              | 3.0           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 54.0                    | 6.00                      | 10.000            |                    |          |
| 200.0                                                      | 200.0                 | 199.3                 | 199.3                 | 3.0              | 3.0           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 54.0                    | 6.00                      | 9.995             |                    |          |
| 300.0                                                      | 300.0                 | 299.3                 | 299.3                 | 3.0              | 3.0           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 54.0                    | 6.01                      | 9.985             |                    |          |
| 400.0                                                      | 400.0                 | 399.3                 | 399.3                 | 3.0              | 3.0           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 54.0                    | 6.02                      | 9.969             |                    |          |
| 500.0                                                      | 500.0                 | 499.3                 | 499.3                 | 3.1              | 3.1           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 54.0                    | 6.03                      | 9.949             |                    |          |
| 600.0                                                      | 600.0                 | 599.3                 | 599.3                 | 3.1              | 3.1           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 54.0                    | 6.05                      | 9.923             |                    |          |
| 700.0                                                      | 700.0                 | 699.3                 | 699.3                 | 3.1              | 3.1           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.9                    | 6.07                      | 9.892             |                    |          |
| 800.0                                                      | 800.0                 | 799.3                 | 799.3                 | 3.2              | 3.2           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.9                    | 6.09                      | 9.856             |                    |          |
| 900.0                                                      | 900.0                 | 899.3                 | 899.3                 | 3.2              | 3.2           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.9                    | 6.11                      | 9.815             |                    |          |
| 1,000.0                                                    | 1,000.0               | 999.3                 | 999.3                 | 3.2              | 3.2           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.9                    | 6.14                      | 9.770             |                    |          |
| 1,100.0                                                    | 1,100.0               | 1,099.3               | 1,099.3               | 3.3              | 3.3           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.8                    | 6.17                      | 9.721             |                    |          |
| 1,200.0                                                    | 1,200.0               | 1,199.3               | 1,199.3               | 3.4              | 3.4           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.8                    | 6.21                      | 9.667             |                    |          |
| 1,300.0                                                    | 1,300.0               | 1,299.3               | 1,299.3               | 3.4              | 3.4           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.8                    | 6.24                      | 9.610             |                    |          |
| 1,400.0                                                    | 1,400.0               | 1,399.3               | 1,399.3               | 3.5              | 3.5           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.7                    | 6.28                      | 9.548             |                    |          |
| 1,500.0                                                    | 1,500.0               | 1,499.3               | 1,499.3               | 3.5              | 3.5           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.7                    | 6.33                      | 9.484             |                    |          |
| 1,600.0                                                    | 1,600.0               | 1,599.3               | 1,599.3               | 3.6              | 3.6           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.6                    | 6.37                      | 9.416             |                    |          |
| 1,700.0                                                    | 1,700.0               | 1,699.3               | 1,699.3               | 3.7              | 3.7           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.6                    | 6.42                      | 9.345             |                    |          |
| 1,800.0                                                    | 1,800.0               | 1,799.3               | 1,799.3               | 3.8              | 3.8           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.5                    | 6.47                      | 9.271             |                    |          |
| 1,900.0                                                    | 1,900.0               | 1,899.3               | 1,899.3               | 3.9              | 3.9           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.5                    | 6.53                      | 9.195             |                    |          |
| 2,000.0                                                    | 2,000.0               | 1,999.3               | 1,999.3               | 3.9              | 3.9           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.4                    | 6.58                      | 9.117             |                    |          |
| 2,100.0                                                    | 2,100.0               | 2,099.3               | 2,099.3               | 4.0              | 4.0           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.4                    | 6.64                      | 9.036             |                    |          |
| 2,200.0                                                    | 2,200.0               | 2,199.3               | 2,199.3               | 4.1              | 4.1           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.3                    | 6.70                      | 8.954             |                    |          |
| 2,300.0                                                    | 2,300.0               | 2,299.3               | 2,299.3               | 4.2              | 4.2           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.2                    | 6.76                      | 8.870             |                    |          |
| 2,400.0                                                    | 2,400.0               | 2,399.3               | 2,399.3               | 4.3              | 4.3           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.2                    | 6.83                      | 8.785             |                    |          |
| 2,500.0                                                    | 2,500.0               | 2,499.3               | 2,499.3               | 4.4              | 4.4           | 89.90                 | 0.1                                 | 60.0         | 60.0                   | 53.1                    | 6.90                      | 8.698 CC, ES, SF  |                    |          |
| 2,600.0                                                    | 2,600.0               | 2,597.2               | 2,597.1               | 4.4              | 4.5           | -163.62               | 0.3                                 | 61.6         | 63.3                   | 56.4                    | 6.97                      | 9.092             |                    |          |
| 2,700.0                                                    | 2,699.8               | 2,694.3               | 2,694.2               | 4.5              | 4.5           | -165.03               | 0.8                                 | 66.6         | 73.4                   | 66.4                    | 7.05                      | 10.425            |                    |          |
| 2,713.9                                                    | 2,713.7               | 2,707.7               | 2,707.6               | 4.5              | 4.5           | -165.26               | 0.8                                 | 67.5         | 75.4                   | 68.3                    | 7.06                      | 10.683            |                    |          |
| 2,800.0                                                    | 2,799.6               | 2,790.9               | 2,790.4               | 4.5              | 4.5           | -166.56               | 1.6                                 | 74.6         | 89.0                   | 81.9                    | 7.13                      | 12.472            |                    |          |
| 2,900.0                                                    | 2,899.3               | 2,889.5               | 2,888.6               | 4.5              | 4.6           | -167.67               | 2.5                                 | 83.9         | 105.7                  | 98.4                    | 7.24                      | 14.605            |                    |          |
| 3,000.0                                                    | 2,999.0               | 2,988.1               | 2,986.7               | 4.5              | 4.6           | -168.49               | 3.4                                 | 93.2         | 122.4                  | 115.1                   | 7.34                      | 16.669            |                    |          |
| 3,100.0                                                    | 3,098.7               | 3,086.7               | 3,084.8               | 4.5              | 4.7           | -169.11               | 4.3                                 | 102.5        | 139.1                  | 131.7                   | 7.46                      | 18.659            |                    |          |
| 3,200.0                                                    | 3,198.4               | 3,185.2               | 3,183.0               | 4.6              | 4.7           | -169.59               | 5.3                                 | 111.8        | 155.9                  | 148.3                   | 7.58                      | 20.575            |                    |          |
| 3,300.0                                                    | 3,298.2               | 3,283.8               | 3,281.1               | 4.6              | 4.8           | -169.98               | 6.2                                 | 121.1        | 172.6                  | 164.9                   | 7.70                      | 22.414            |                    |          |
| 3,400.0                                                    | 3,397.9               | 3,382.4               | 3,379.2               | 4.6              | 4.8           | -170.30               | 7.1                                 | 130.4        | 189.4                  | 181.6                   | 7.83                      | 24.176            |                    |          |
| 3,500.0                                                    | 3,497.6               | 3,481.0               | 3,477.4               | 4.7              | 4.9           | -170.57               | 8.0                                 | 139.7        | 206.2                  | 198.2                   | 7.97                      | 25.863            |                    |          |
| 3,600.0                                                    | 3,597.3               | 3,579.6               | 3,575.5               | 4.7              | 5.0           | -170.80               | 9.0                                 | 149.0        | 223.0                  | 214.8                   | 8.12                      | 27.475            |                    |          |
| 3,700.0                                                    | 3,697.1               | 3,678.1               | 3,673.7               | 4.8              | 5.0           | -171.00               | 9.9                                 | 158.3        | 239.7                  | 231.5                   | 8.26                      | 29.013            |                    |          |
| 3,800.0                                                    | 3,796.8               | 3,776.7               | 3,771.8               | 4.8              | 5.1           | -171.17               | 10.8                                | 167.6        | 256.5                  | 248.1                   | 8.42                      | 30.479            |                    |          |
| 3,900.0                                                    | 3,896.5               | 3,875.3               | 3,869.9               | 4.9              | 5.2           | -171.32               | 11.7                                | 176.9        | 273.3                  | 264.7                   | 8.57                      | 31.875            |                    |          |
| 4,000.0                                                    | 3,996.2               | 3,973.9               | 3,968.1               | 4.9              | 5.3           | -171.45               | 12.7                                | 186.2        | 290.1                  | 281.4                   | 8.74                      | 33.203            |                    |          |
| 4,100.0                                                    | 4,095.9               | 4,072.5               | 4,066.2               | 5.0              | 5.3           | -171.57               | 13.6                                | 195.5        | 306.9                  | 298.0                   | 8.90                      | 34.467            |                    |          |
| 4,200.0                                                    | 4,195.7               | 4,171.0               | 4,164.3               | 5.1              | 5.4           | -171.68               | 14.5                                | 204.8        | 323.7                  | 314.6                   | 9.07                      | 35.668            |                    |          |
| 4,300.0                                                    | 4,295.4               | 4,269.6               | 4,262.5               | 5.1              | 5.5           | -171.77               | 15.4                                | 214.1        | 340.4                  | 331.2                   | 9.25                      | 36.809            |                    |          |
| 4,400.0                                                    | 4,395.1               | 4,368.2               | 4,360.6               | 5.2              | 5.6           | -171.86               | 16.4                                | 223.4        | 357.2                  | 347.8                   | 9.43                      | 37.893            |                    |          |
| 4,500.0                                                    | 4,494.8               | 4,466.8               | 4,458.7               | 5.3              | 5.7           | -171.94               | 17.3                                | 232.7        | 374.0                  | 364.4                   | 9.61                      | 38.923            |                    |          |
| 4,600.0                                                    | 4,594.5               | 4,565.4               | 4,556.9               | 5.3              | 5.7           | -172.01               | 18.2                                | 242.0        | 390.8                  | 381.0                   | 9.79                      | 39.901            |                    |          |
| 4,700.0                                                    | 4,694.3               | 4,663.9               | 4,655.0               | 5.4              | 5.8           | -172.07               | 19.1                                | 251.3        | 407.6                  | 397.6                   | 9.98                      | 40.829            |                    |          |
| 4,800.0                                                    | 4,794.0               | 4,762.5               | 4,753.1               | 5.5              | 5.9           | -172.14               | 20.1                                | 260.6        | 424.4                  | 414.2                   | 10.17                     | 41.711            |                    |          |
| 4,900.0                                                    | 4,893.7               | 4,861.1               | 4,851.3               | 5.6              | 6.0           | -172.19               | 21.0                                | 269.9        | 441.2                  | 430.8                   | 10.37                     | 42.549            |                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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 ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM #801H - OWB - PWP1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10581-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  |          |
| 5,000.0                                                                                     | 4,993.4               | 4,959.7               | 4,949.4               | 5.7              | 6.1           | -172.24               | 21.9                                | 279.2        | 458.0                  | 447.4                   | 10.57                     | 43.345             |          |
| 5,100.0                                                                                     | 5,093.2               | 5,058.2               | 5,047.5               | 5.7              | 6.2           | -172.29               | 22.8                                | 288.5        | 474.8                  | 464.0                   | 10.77                     | 44.101             |          |
| 5,200.0                                                                                     | 5,192.9               | 5,156.8               | 5,145.7               | 5.8              | 6.3           | -172.34               | 23.7                                | 297.8        | 491.6                  | 480.6                   | 10.97                     | 44.820             |          |
| 5,300.0                                                                                     | 5,292.6               | 5,255.4               | 5,243.8               | 5.9              | 6.4           | -172.38               | 24.7                                | 307.1        | 508.4                  | 497.2                   | 11.17                     | 45.503             |          |
| 5,400.0                                                                                     | 5,392.3               | 5,354.0               | 5,342.0               | 6.0              | 6.5           | -172.42               | 25.6                                | 316.4        | 525.2                  | 513.8                   | 11.38                     | 46.153             |          |
| 5,500.0                                                                                     | 5,492.0               | 5,452.6               | 5,440.1               | 6.1              | 6.6           | -172.46               | 26.5                                | 325.6        | 541.9                  | 530.4                   | 11.59                     | 46.772             |          |
| 5,600.0                                                                                     | 5,591.8               | 5,551.1               | 5,538.2               | 6.2              | 6.7           | -172.49               | 27.4                                | 334.9        | 558.7                  | 546.9                   | 11.80                     | 47.360             |          |
| 5,700.0                                                                                     | 5,691.5               | 5,649.7               | 5,636.4               | 6.3              | 6.8           | -172.52               | 28.4                                | 344.2        | 575.5                  | 563.5                   | 12.01                     | 47.920             |          |
| 5,800.0                                                                                     | 5,791.2               | 5,748.3               | 5,734.5               | 6.4              | 6.9           | -172.55               | 29.3                                | 353.5        | 592.3                  | 580.1                   | 12.22                     | 48.454             |          |
| 5,900.0                                                                                     | 5,890.9               | 5,846.9               | 5,832.6               | 6.5              | 7.0           | -172.58               | 30.2                                | 362.8        | 609.1                  | 596.7                   | 12.44                     | 48.962             |          |
| 6,000.0                                                                                     | 5,990.6               | 5,945.5               | 5,930.8               | 6.6              | 7.1           | -172.61               | 31.1                                | 372.1        | 625.9                  | 613.3                   | 12.66                     | 49.447             |          |
| 6,100.0                                                                                     | 6,090.4               | 6,044.0               | 6,028.9               | 6.6              | 7.2           | -172.64               | 32.1                                | 381.4        | 642.7                  | 629.8                   | 12.88                     | 49.909             |          |
| 6,200.0                                                                                     | 6,190.1               | 6,142.6               | 6,127.0               | 6.7              | 7.3           | -172.66               | 33.0                                | 390.7        | 659.5                  | 646.4                   | 13.10                     | 50.350             |          |
| 6,300.0                                                                                     | 6,289.8               | 6,241.2               | 6,225.2               | 6.8              | 7.4           | -172.69               | 33.9                                | 400.0        | 676.3                  | 663.0                   | 13.32                     | 50.771             |          |
| 6,400.0                                                                                     | 6,389.5               | 6,339.8               | 6,323.3               | 6.9              | 7.5           | -172.71               | 34.8                                | 409.3        | 693.1                  | 679.5                   | 13.54                     | 51.173             |          |
| 6,500.0                                                                                     | 6,489.3               | 6,438.4               | 6,421.4               | 7.0              | 7.6           | -172.73               | 35.8                                | 418.6        | 709.9                  | 696.1                   | 13.77                     | 51.558             |          |
| 6,600.0                                                                                     | 6,589.0               | 6,536.9               | 6,519.6               | 7.2              | 7.7           | -172.75               | 36.7                                | 427.9        | 726.7                  | 712.7                   | 13.99                     | 51.925             |          |
| 6,700.0                                                                                     | 6,688.7               | 6,635.5               | 6,617.7               | 7.3              | 7.8           | -172.77               | 37.6                                | 437.2        | 743.5                  | 729.3                   | 14.22                     | 52.276             |          |
| 6,800.0                                                                                     | 6,788.4               | 6,734.1               | 6,715.9               | 7.4              | 7.9           | -172.79               | 38.5                                | 446.5        | 760.3                  | 745.8                   | 14.45                     | 52.611             |          |
| 6,900.0                                                                                     | 6,888.1               | 6,832.7               | 6,814.0               | 7.5              | 8.1           | -172.81               | 39.5                                | 455.8        | 777.1                  | 762.4                   | 14.68                     | 52.933             |          |
| 7,000.0                                                                                     | 6,987.9               | 6,931.3               | 6,912.1               | 7.6              | 8.2           | -172.82               | 40.4                                | 465.1        | 793.9                  | 778.9                   | 14.91                     | 53.241             |          |
| 7,100.0                                                                                     | 7,087.6               | 7,029.8               | 7,010.3               | 7.7              | 8.3           | -172.84               | 41.3                                | 474.4        | 810.7                  | 795.5                   | 15.14                     | 53.535             |          |
| 7,200.0                                                                                     | 7,187.3               | 7,128.4               | 7,108.4               | 7.8              | 8.4           | -172.85               | 42.2                                | 483.7        | 827.4                  | 812.1                   | 15.38                     | 53.818             |          |
| 7,300.0                                                                                     | 7,287.0               | 7,227.0               | 7,206.5               | 7.9              | 8.5           | -172.87               | 43.2                                | 493.0        | 844.2                  | 828.6                   | 15.61                     | 54.088             |          |
| 7,400.0                                                                                     | 7,386.7               | 7,325.6               | 7,304.7               | 8.0              | 8.6           | -172.88               | 44.1                                | 502.3        | 861.0                  | 845.2                   | 15.84                     | 54.348             |          |
| 7,500.0                                                                                     | 7,486.5               | 7,424.2               | 7,402.8               | 8.1              | 8.7           | -172.90               | 45.0                                | 511.6        | 877.8                  | 861.8                   | 16.08                     | 54.597             |          |
| 7,600.0                                                                                     | 7,586.2               | 7,522.7               | 7,500.9               | 8.2              | 8.8           | -172.91               | 45.9                                | 520.9        | 894.6                  | 878.3                   | 16.31                     | 54.836             |          |
| 7,700.0                                                                                     | 7,685.9               | 7,621.3               | 7,599.1               | 8.3              | 9.0           | -172.92               | 46.9                                | 530.2        | 911.4                  | 894.9                   | 16.55                     | 55.065             |          |
| 7,800.0                                                                                     | 7,785.6               | 7,719.9               | 7,697.2               | 8.4              | 9.1           | -172.94               | 47.8                                | 539.5        | 928.2                  | 911.4                   | 16.79                     | 55.286             |          |
| 7,900.0                                                                                     | 7,885.4               | 7,818.5               | 7,795.3               | 8.5              | 9.2           | -172.95               | 48.7                                | 548.8        | 945.0                  | 928.0                   | 17.03                     | 55.497             |          |
| 8,000.0                                                                                     | 7,985.1               | 7,917.0               | 7,893.5               | 8.7              | 9.3           | -172.96               | 49.6                                | 558.1        | 961.8                  | 944.5                   | 17.27                     | 55.701             |          |
| 8,100.0                                                                                     | 8,084.8               | 8,015.6               | 7,991.6               | 8.8              | 9.4           | -172.97               | 50.6                                | 567.4        | 978.6                  | 961.1                   | 17.51                     | 55.896             |          |
| 8,200.0                                                                                     | 8,184.5               | 8,114.2               | 8,089.8               | 8.9              | 9.5           | -172.98               | 51.5                                | 576.7        | 995.4                  | 977.7                   | 17.75                     | 56.084             |          |
| 8,300.0                                                                                     | 8,284.2               | 8,212.8               | 8,187.9               | 9.0              | 9.6           | -172.99               | 52.4                                | 586.0        | 1,012.2                | 994.2                   | 17.99                     | 56.265             |          |
| 8,400.0                                                                                     | 8,384.0               | 8,311.4               | 8,286.0               | 9.1              | 9.8           | -173.00               | 53.3                                | 595.3        | 1,029.0                | 1,010.8                 | 18.23                     | 56.439             |          |
| 8,500.0                                                                                     | 8,483.7               | 8,409.9               | 8,384.2               | 9.2              | 9.9           | -173.01               | 54.3                                | 604.6        | 1,045.8                | 1,027.3                 | 18.47                     | 56.607             |          |
| 8,600.0                                                                                     | 8,583.4               | 8,508.5               | 8,482.3               | 9.3              | 10.0          | -173.02               | 55.2                                | 613.9        | 1,062.6                | 1,043.9                 | 18.72                     | 56.768             |          |
| 8,700.0                                                                                     | 8,683.1               | 8,607.1               | 8,580.4               | 9.5              | 10.1          | -173.03               | 56.1                                | 623.2        | 1,079.4                | 1,060.4                 | 18.96                     | 56.924             |          |
| 8,800.0                                                                                     | 8,782.8               | 8,705.7               | 8,678.6               | 9.6              | 10.2          | -173.04               | 57.0                                | 632.5        | 1,096.2                | 1,077.0                 | 19.21                     | 57.074             |          |
| 8,900.0                                                                                     | 8,882.6               | 8,804.3               | 8,776.7               | 9.7              | 10.4          | -173.05               | 58.0                                | 641.8        | 1,113.0                | 1,093.5                 | 19.45                     | 57.218             |          |
| 9,000.0                                                                                     | 8,982.3               | 8,902.8               | 8,874.8               | 9.8              | 10.5          | -173.06               | 58.9                                | 651.1        | 1,129.8                | 1,110.1                 | 19.70                     | 57.357             |          |
| 9,100.0                                                                                     | 9,082.0               | 9,001.4               | 8,973.0               | 9.9              | 10.6          | -173.07               | 59.8                                | 660.4        | 1,146.6                | 1,126.6                 | 19.94                     | 57.491             |          |
| 9,200.0                                                                                     | 9,181.7               | 9,100.0               | 9,071.1               | 10.0             | 10.7          | -173.07               | 60.7                                | 669.6        | 1,163.4                | 1,143.2                 | 20.19                     | 57.620             |          |
| 9,300.0                                                                                     | 9,281.4               | 9,198.6               | 9,169.2               | 10.2             | 10.8          | -173.08               | 61.7                                | 678.9        | 1,180.2                | 1,159.7                 | 20.44                     | 57.745             |          |
| 9,400.0                                                                                     | 9,381.2               | 9,297.2               | 9,267.4               | 10.3             | 11.0          | -173.09               | 62.6                                | 688.2        | 1,197.0                | 1,176.3                 | 20.69                     | 57.865             |          |
| 9,500.0                                                                                     | 9,480.9               | 9,395.7               | 9,365.5               | 10.4             | 11.1          | -173.10               | 63.5                                | 697.5        | 1,213.7                | 1,192.8                 | 20.93                     | 57.981             |          |
| 9,600.0                                                                                     | 9,580.6               | 9,494.3               | 9,463.6               | 10.5             | 11.2          | -173.10               | 64.4                                | 706.8        | 1,230.5                | 1,209.4                 | 21.18                     | 58.093             |          |
| 9,700.0                                                                                     | 9,680.3               | 9,592.9               | 9,561.8               | 10.6             | 11.3          | -173.11               | 65.4                                | 716.1        | 1,247.3                | 1,225.9                 | 21.43                     | 58.201             |          |
| 9,800.0                                                                                     | 9,780.1               | 9,691.5               | 9,659.9               | 10.8             | 11.4          | -173.12               | 66.3                                | 725.4        | 1,264.1                | 1,242.5                 | 21.68                     | 58.306             |          |
| 9,900.0                                                                                     | 9,879.8               | 9,790.1               | 9,758.1               | 10.9             | 11.6          | -173.12               | 67.2                                | 734.7        | 1,280.9                | 1,259.0                 | 21.93                     | 58.406             |          |
| 10,000.0                                                                                    | 9,979.5               | 9,888.6               | 9,856.2               | 11.0             | 11.7          | -173.13               | 68.1                                | 744.0        | 1,297.7                | 1,275.5                 | 22.18                     | 58.504             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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 ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM #801H - OWB - PWP1 |                       |                       |                       |                  |               |                                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|---------------------------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10581-MWD+IFR1+FDIR                                  |                       |                       |                       |                  |               |                                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 3.0 usft |
| Measured Depth (usft)                                                                       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Semi Major Axis Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |          |
| 10,100.0                                                                                    | 10,079.2              | 9,987.2               | 9,954.3               | 11.1             | 11.8          | -173.14                               | 69.1                                | 753.3        | 1,314.5                | 1,292.1                 | 22.43                     | 58.598            |                    |          |
| 10,200.0                                                                                    | 10,178.9              | 10,085.8              | 10,052.5              | 11.2             | 11.9          | -173.14                               | 70.0                                | 762.6        | 1,331.3                | 1,308.6                 | 22.68                     | 58.688            |                    |          |
| 10,300.0                                                                                    | 10,278.7              | 10,184.4              | 10,150.6              | 11.4             | 12.1          | -173.15                               | 70.9                                | 771.9        | 1,348.1                | 1,325.2                 | 22.94                     | 58.776            |                    |          |
| 10,400.0                                                                                    | 10,378.4              | 10,283.0              | 10,248.7              | 11.5             | 12.2          | -173.15                               | 71.8                                | 781.2        | 1,364.9                | 1,341.7                 | 23.19                     | 58.861            |                    |          |
| 10,500.0                                                                                    | 10,478.1              | 10,381.5              | 10,346.9              | 11.6             | 12.3          | -173.16                               | 72.8                                | 790.5        | 1,381.7                | 1,358.3                 | 23.44                     | 58.942            |                    |          |
| 10,606.0                                                                                    | 10,583.8              | 10,486.0              | 10,450.9              | 11.7             | 12.4          | -173.16                               | 73.7                                | 800.4        | 1,399.5                | 1,375.8                 | 23.71                     | 59.026            |                    |          |
| 10,625.0                                                                                    | 10,602.8              | 10,504.8              | 10,469.5              | 11.8             | 12.5          | 155.49                                | 73.9                                | 802.1        | 1,402.6                | 1,378.9                 | 23.78                     | 58.973            |                    |          |
| 10,650.0                                                                                    | 10,627.7              | 10,529.4              | 10,494.1              | 11.8             | 12.5          | 125.04                                | 74.2                                | 804.5        | 1,406.6                | 1,382.8                 | 23.80                     | 59.090            |                    |          |
| 10,675.0                                                                                    | 10,652.5              | 10,554.0              | 10,518.5              | 11.8             | 12.5          | 109.68                                | 74.4                                | 806.8        | 1,410.3                | 1,386.4                 | 23.82                     | 59.197            |                    |          |
| 10,700.0                                                                                    | 10,677.1              | 10,578.4              | 10,542.8              | 11.8             | 12.5          | 101.51                                | 74.6                                | 809.1        | 1,413.7                | 1,389.9                 | 23.84                     | 59.295            |                    |          |
| 10,725.0                                                                                    | 10,701.6              | 10,602.5              | 10,566.9              | 11.8             | 12.5          | 96.64                                 | 74.8                                | 811.4        | 1,417.0                | 1,393.1                 | 23.86                     | 59.387            |                    |          |
| 10,750.0                                                                                    | 10,725.7              | 10,626.5              | 10,590.7              | 11.8             | 12.6          | 93.47                                 | 75.1                                | 813.6        | 1,420.0                | 1,396.1                 | 23.87                     | 59.499            |                    |          |
| 10,775.0                                                                                    | 10,749.5              | 10,638.3              | 10,602.5              | 11.8             | 12.6          | 91.13                                 | 75.2                                | 814.8        | 1,422.9                | 1,399.0                 | 23.91                     | 59.512            |                    |          |
| 10,800.0                                                                                    | 10,772.8              | 10,650.0              | 10,614.1              | 11.8             | 12.6          | 89.38                                 | 75.6                                | 816.0        | 1,425.8                | 1,401.8                 | 23.96                     | 59.518            |                    |          |
| 10,825.0                                                                                    | 10,795.7              | 10,650.0              | 10,614.1              | 11.8             | 12.6          | 87.82                                 | 75.6                                | 816.0        | 1,428.8                | 1,404.7                 | 24.05                     | 59.408            |                    |          |
| 10,850.0                                                                                    | 10,818.0              | 10,666.1              | 10,630.0              | 11.8             | 12.6          | 86.80                                 | 76.7                                | 817.8        | 1,431.7                | 1,407.6                 | 24.08                     | 59.444            |                    |          |
| 10,875.0                                                                                    | 10,839.6              | 10,675.0              | 10,638.9              | 11.8             | 12.6          | 85.85                                 | 77.4                                | 818.9        | 1,434.7                | 1,410.5                 | 24.15                     | 59.408            |                    |          |
| 10,900.0                                                                                    | 10,860.6              | 10,684.1              | 10,647.9              | 11.8             | 12.6          | 85.05                                 | 78.4                                | 820.1        | 1,437.7                | 1,413.4                 | 24.21                     | 59.372            |                    |          |
| 10,925.0                                                                                    | 10,880.9              | 10,700.0              | 10,663.4              | 11.9             | 12.6          | 84.50                                 | 80.4                                | 822.3        | 1,440.7                | 1,416.5                 | 24.25                     | 59.418            |                    |          |
| 10,950.0                                                                                    | 10,900.4              | 10,700.0              | 10,663.4              | 11.9             | 12.6          | 83.72                                 | 80.4                                | 822.3        | 1,443.7                | 1,419.3                 | 24.36                     | 59.272            |                    |          |
| 10,975.0                                                                                    | 10,919.1              | 10,710.4              | 10,673.6              | 11.9             | 12.6          | 83.23                                 | 82.1                                | 823.9        | 1,446.7                | 1,422.3                 | 24.41                     | 59.258            |                    |          |
| 11,000.0                                                                                    | 10,936.8              | 10,725.0              | 10,687.8              | 11.9             | 12.6          | 82.91                                 | 84.6                                | 826.2        | 1,449.8                | 1,425.4                 | 24.45                     | 59.307            |                    |          |
| 11,025.0                                                                                    | 10,953.6              | 10,725.0              | 10,687.8              | 11.9             | 12.6          | 82.28                                 | 84.6                                | 826.2        | 1,452.9                | 1,428.3                 | 24.56                     | 59.167            |                    |          |
| 11,050.0                                                                                    | 10,969.5              | 10,735.6              | 10,698.0              | 12.0             | 12.6          | 81.96                                 | 86.8                                | 828.0        | 1,456.0                | 1,431.4                 | 24.60                     | 59.180            |                    |          |
| 11,075.0                                                                                    | 10,984.3              | 10,750.0              | 10,711.8              | 12.0             | 12.6          | 81.78                                 | 90.0                                | 830.5        | 1,459.2                | 1,434.5                 | 24.62                     | 59.258            |                    |          |
| 11,100.0                                                                                    | 10,998.0              | 10,750.0              | 10,711.8              | 12.0             | 12.6          | 81.24                                 | 90.0                                | 830.5        | 1,462.3                | 1,437.5                 | 24.72                     | 59.146            |                    |          |
| 11,125.0                                                                                    | 11,010.6              | 10,759.4              | 10,720.7              | 12.0             | 12.6          | 80.99                                 | 92.4                                | 832.2        | 1,465.4                | 1,440.7                 | 24.76                     | 59.179            |                    |          |
| 11,150.0                                                                                    | 11,022.1              | 10,767.0              | 10,727.9              | 12.1             | 12.6          | 80.72                                 | 94.4                                | 833.7        | 1,468.6                | 1,443.8                 | 24.81                     | 59.202            |                    |          |
| 11,175.0                                                                                    | 11,032.4              | 10,775.0              | 10,735.5              | 12.1             | 12.6          | 80.47                                 | 96.6                                | 835.2        | 1,471.8                | 1,447.0                 | 24.84                     | 59.246            |                    |          |
| 11,200.0                                                                                    | 11,041.5              | 10,775.0              | 10,735.5              | 12.2             | 12.6          | 80.00                                 | 96.6                                | 835.2        | 1,475.1                | 1,450.2                 | 24.92                     | 59.194            |                    |          |
| 11,225.0                                                                                    | 11,049.4              | 10,788.4              | 10,748.0              | 12.2             | 12.6          | 79.97                                 | 100.6                               | 837.9        | 1,478.4                | 1,453.4                 | 24.91                     | 59.348            |                    |          |
| 11,250.0                                                                                    | 11,056.0              | 10,800.0              | 10,758.7              | 12.2             | 12.6          | 79.90                                 | 104.4                               | 840.4        | 1,481.7                | 1,456.8                 | 24.91                     | 59.492            |                    |          |
| 11,275.0                                                                                    | 11,061.4              | 10,800.0              | 10,758.7              | 12.3             | 12.6          | 79.46                                 | 104.4                               | 840.4        | 1,485.0                | 1,460.0                 | 24.96                     | 59.495            |                    |          |
| 11,300.0                                                                                    | 11,065.5              | 10,807.7              | 10,765.7              | 12.3             | 12.6          | 79.29                                 | 107.0                               | 842.0        | 1,488.4                | 1,463.4                 | 24.96                     | 59.621            |                    |          |
| 11,325.0                                                                                    | 11,068.3              | 10,813.5              | 10,771.0              | 12.4             | 12.6          | 79.07                                 | 109.0                               | 843.3        | 1,491.8                | 1,466.8                 | 24.97                     | 59.740            |                    |          |
| 11,350.0                                                                                    | 11,069.8              | 10,819.0              | 10,776.0              | 12.4             | 12.6          | 78.85                                 | 111.0                               | 844.6        | 1,495.2                | 1,470.2                 | 24.97                     | 59.873            |                    |          |
| 11,366.7                                                                                    | 11,070.0              | 10,825.0              | 10,781.4              | 12.5             | 12.6          | 78.79                                 | 113.2                               | 845.9        | 1,497.5                | 1,472.5                 | 24.96                     | 60.001            |                    |          |
| 11,400.0                                                                                    | 11,070.0              | 10,825.0              | 10,781.4              | 12.6             | 12.6          | 78.79                                 | 113.2                               | 845.9        | 1,502.5                | 1,477.5                 | 24.99                     | 60.124            |                    |          |
| 11,500.0                                                                                    | 11,069.8              | 10,850.0              | 10,803.5              | 12.9             | 12.7          | 79.68                                 | 123.2                               | 851.8        | 1,521.2                | 1,496.2                 | 24.99                     | 60.864            |                    |          |
| 11,600.0                                                                                    | 11,069.7              | 10,883.4              | 10,832.1              | 13.2             | 12.7          | 80.82                                 | 138.3                               | 860.3        | 1,545.5                | 1,520.5                 | 25.02                     | 61.780            |                    |          |
| 11,700.0                                                                                    | 11,069.5              | 10,921.2              | 10,862.9              | 13.6             | 12.7          | 82.05                                 | 157.6                               | 870.7        | 1,574.8                | 1,549.7                 | 25.09                     | 62.771            |                    |          |
| 11,800.0                                                                                    | 11,069.4              | 10,970.0              | 10,899.9              | 14.0             | 12.8          | 83.53                                 | 185.7                               | 885.1        | 1,608.3                | 1,583.1                 | 25.22                     | 63.776            |                    |          |
| 11,900.0                                                                                    | 11,069.2              | 11,033.5              | 10,943.1              | 14.5             | 12.9          | 85.23                                 | 227.6                               | 905.4        | 1,645.1                | 1,619.7                 | 25.45                     | 64.646            |                    |          |
| 12,000.0                                                                                    | 11,069.1              | 11,116.1              | 10,989.3              | 15.0             | 13.0          | 87.03                                 | 289.7                               | 933.9        | 1,684.1                | 1,658.2                 | 25.84                     | 65.162            |                    |          |
| 12,100.0                                                                                    | 11,068.9              | 11,220.4              | 11,029.9              | 15.6             | 13.1          | 88.58                                 | 377.7                               | 972.1        | 1,723.6                | 1,697.1                 | 26.47                     | 65.105            |                    |          |
| 12,200.0                                                                                    | 11,068.8              | 11,342.6              | 11,049.7              | 16.1             | 13.2          | 89.32                                 | 489.1                               | 1,017.5      | 1,762.3                | 1,734.9                 | 27.35                     | 64.439            |                    |          |
| 12,300.0                                                                                    | 11,068.6              | 11,574.2              | 11,049.7              | 16.7             | 13.6          | 89.36                                 | 707.4                               | 1,094.4      | 1,796.9                | 1,767.8                 | 29.06                     | 61.837            |                    |          |
| 12,400.0                                                                                    | 11,068.5              | 11,836.4              | 11,049.3              | 17.3             | 14.4          | 89.39                                 | 961.2                               | 1,159.9      | 1,823.1                | 1,792.0                 | 31.16                     | 58.505            |                    |          |
| 12,500.0                                                                                    | 11,068.3              | 12,109.7              | 11,048.9              | 18.0             | 15.6          | 89.40                                 | 1,230.9                             | 1,203.3      | 1,840.2                | 1,806.8                 | 33.43                     | 55.055            |                    |          |
| 12,600.0                                                                                    | 11,068.2              | 12,389.6              | 11,048.4              | 18.6             | 17.1          | 89.41                                 | 1,510.2                             | 1,220.8      | 1,847.7                | 1,812.0                 | 35.72                     | 51.722            |                    |          |
| 12,700.0                                                                                    | 11,068.0              | 12,538.1              | 11,048.2              | 19.3             | 18.0          | 89.41                                 | 1,658.7                             | 1,219.9      | 1,848.1                | 1,810.8                 | 37.26                     | 49.599            |                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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 ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM #801H - OWB - PWP1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10581-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 |                    |          |
| 12,800.0                                                                                    | 11,067.9              | 12,638.1              | 11,048.0              | 20.0             | 18.6          | 89.41                 | 1,758.7                             | 1,218.7      | 1,848.1                | 1,809.5                 | 38.57                     | 47.916            |                    |          |
| 12,900.0                                                                                    | 11,067.7              | 12,738.1              | 11,047.9              | 20.7             | 19.3          | 89.41                 | 1,858.7                             | 1,217.4      | 1,848.1                | 1,808.2                 | 39.91                     | 46.308            |                    |          |
| 13,000.0                                                                                    | 11,067.5              | 12,838.1              | 11,047.7              | 21.4             | 19.9          | 89.41                 | 1,958.7                             | 1,216.2      | 1,848.1                | 1,806.8                 | 41.28                     | 44.773            |                    |          |
| 13,100.0                                                                                    | 11,067.4              | 12,938.1              | 11,047.5              | 22.1             | 20.6          | 89.41                 | 2,058.7                             | 1,215.0      | 1,848.1                | 1,805.4                 | 42.67                     | 43.310            |                    |          |
| 13,200.0                                                                                    | 11,067.2              | 13,038.1              | 11,047.4              | 22.8             | 21.3          | 89.41                 | 2,158.6                             | 1,213.7      | 1,848.1                | 1,804.0                 | 44.09                     | 41.917            |                    |          |
| 13,300.0                                                                                    | 11,067.1              | 13,138.1              | 11,047.2              | 23.6             | 22.0          | 89.41                 | 2,258.6                             | 1,212.5      | 1,848.1                | 1,802.6                 | 45.53                     | 40.592            |                    |          |
| 13,400.0                                                                                    | 11,066.9              | 13,238.1              | 11,047.1              | 24.3             | 22.7          | 89.41                 | 2,358.6                             | 1,211.2      | 1,848.1                | 1,801.1                 | 46.99                     | 39.333            |                    |          |
| 13,500.0                                                                                    | 11,066.8              | 13,338.1              | 11,046.9              | 25.1             | 23.4          | 89.41                 | 2,458.6                             | 1,210.0      | 1,848.1                | 1,799.6                 | 48.46                     | 38.135            |                    |          |
| 13,600.0                                                                                    | 11,066.6              | 13,438.1              | 11,046.8              | 25.9             | 24.1          | 89.41                 | 2,558.6                             | 1,208.8      | 1,848.1                | 1,798.1                 | 49.95                     | 36.996            |                    |          |
| 13,700.0                                                                                    | 11,066.5              | 13,538.1              | 11,046.6              | 26.6             | 24.9          | 89.41                 | 2,658.6                             | 1,207.5      | 1,848.1                | 1,796.6                 | 51.46                     | 35.913            |                    |          |
| 13,800.0                                                                                    | 11,066.3              | 13,638.1              | 11,046.4              | 27.4             | 25.6          | 89.40                 | 2,758.6                             | 1,206.3      | 1,848.1                | 1,795.1                 | 52.98                     | 34.883            |                    |          |
| 13,900.0                                                                                    | 11,066.2              | 13,738.1              | 11,046.3              | 28.2             | 26.4          | 89.40                 | 2,858.6                             | 1,205.0      | 1,848.1                | 1,793.6                 | 54.51                     | 33.903            |                    |          |
| 14,000.0                                                                                    | 11,066.0              | 13,838.1              | 11,046.1              | 29.0             | 27.1          | 89.40                 | 2,958.6                             | 1,203.8      | 1,848.1                | 1,792.0                 | 56.05                     | 32.970            |                    |          |
| 14,100.0                                                                                    | 11,065.9              | 13,938.1              | 11,046.0              | 29.8             | 27.9          | 89.40                 | 3,058.6                             | 1,202.5      | 1,848.1                | 1,790.5                 | 57.61                     | 32.081            |                    |          |
| 14,200.0                                                                                    | 11,065.7              | 14,038.1              | 11,045.8              | 30.5             | 28.7          | 89.40                 | 3,158.6                             | 1,201.3      | 1,848.1                | 1,788.9                 | 59.17                     | 31.234            |                    |          |
| 14,300.0                                                                                    | 11,065.6              | 14,138.1              | 11,045.6              | 31.3             | 29.4          | 89.40                 | 3,258.6                             | 1,200.1      | 1,848.1                | 1,787.3                 | 60.74                     | 30.426            |                    |          |
| 14,400.0                                                                                    | 11,065.4              | 14,238.1              | 11,045.5              | 32.1             | 30.2          | 89.40                 | 3,358.6                             | 1,198.8      | 1,848.1                | 1,785.7                 | 62.32                     | 29.655            |                    |          |
| 14,500.0                                                                                    | 11,065.3              | 14,338.1              | 11,045.3              | 32.9             | 31.0          | 89.40                 | 3,458.5                             | 1,197.6      | 1,848.1                | 1,784.2                 | 63.91                     | 28.918            |                    |          |
| 14,600.0                                                                                    | 11,065.1              | 14,438.1              | 11,045.2              | 33.7             | 31.8          | 89.40                 | 3,558.5                             | 1,196.3      | 1,848.1                | 1,782.6                 | 65.50                     | 28.214            |                    |          |
| 14,700.0                                                                                    | 11,065.0              | 14,538.1              | 11,045.0              | 34.6             | 32.6          | 89.40                 | 3,658.5                             | 1,195.1      | 1,848.1                | 1,781.0                 | 67.10                     | 27.541            |                    |          |
| 14,800.0                                                                                    | 11,064.8              | 14,638.1              | 11,044.9              | 35.4             | 33.4          | 89.40                 | 3,758.5                             | 1,193.9      | 1,848.1                | 1,779.4                 | 68.71                     | 26.898            |                    |          |
| 14,900.0                                                                                    | 11,064.7              | 14,738.1              | 11,044.7              | 36.2             | 34.2          | 89.40                 | 3,858.5                             | 1,192.6      | 1,848.1                | 1,777.7                 | 70.32                     | 26.281            |                    |          |
| 15,000.0                                                                                    | 11,064.5              | 14,838.1              | 11,044.5              | 37.0             | 35.0          | 89.40                 | 3,958.5                             | 1,191.4      | 1,848.1                | 1,776.1                 | 71.94                     | 25.690            |                    |          |
| 15,100.0                                                                                    | 11,064.4              | 14,938.1              | 11,044.4              | 37.8             | 35.8          | 89.40                 | 4,058.5                             | 1,190.1      | 1,848.1                | 1,774.5                 | 73.56                     | 25.124            |                    |          |
| 15,200.0                                                                                    | 11,064.2              | 15,038.1              | 11,044.2              | 38.6             | 36.6          | 89.40                 | 4,158.5                             | 1,188.9      | 1,848.1                | 1,772.9                 | 75.18                     | 24.580            |                    |          |
| 15,300.0                                                                                    | 11,064.1              | 15,138.1              | 11,044.1              | 39.5             | 37.4          | 89.40                 | 4,258.5                             | 1,187.6      | 1,848.1                | 1,771.2                 | 76.82                     | 24.058            |                    |          |
| 15,400.0                                                                                    | 11,063.9              | 15,238.1              | 11,043.9              | 40.3             | 38.2          | 89.40                 | 4,358.5                             | 1,186.4      | 1,848.1                | 1,769.6                 | 78.45                     | 23.557            |                    |          |
| 15,500.0                                                                                    | 11,063.7              | 15,338.1              | 11,043.8              | 41.1             | 39.0          | 89.40                 | 4,458.5                             | 1,185.2      | 1,848.0                | 1,768.0                 | 80.09                     | 23.075            |                    |          |
| 15,600.0                                                                                    | 11,063.6              | 15,438.1              | 11,043.6              | 41.9             | 39.8          | 89.40                 | 4,558.5                             | 1,183.9      | 1,848.0                | 1,766.3                 | 81.73                     | 22.611            |                    |          |
| 15,700.0                                                                                    | 11,063.4              | 15,538.1              | 11,043.4              | 42.8             | 40.7          | 89.40                 | 4,658.5                             | 1,182.7      | 1,848.0                | 1,764.7                 | 83.38                     | 22.165            |                    |          |
| 15,800.0                                                                                    | 11,063.3              | 15,638.1              | 11,043.3              | 43.6             | 41.5          | 89.40                 | 4,758.4                             | 1,181.4      | 1,848.0                | 1,763.0                 | 85.02                     | 21.735            |                    |          |
| 15,900.0                                                                                    | 11,063.1              | 15,738.1              | 11,043.1              | 44.4             | 42.3          | 89.40                 | 4,858.4                             | 1,180.2      | 1,848.0                | 1,761.4                 | 86.68                     | 21.321            |                    |          |
| 16,000.0                                                                                    | 11,063.0              | 15,838.1              | 11,043.0              | 45.2             | 43.1          | 89.40                 | 4,958.4                             | 1,179.0      | 1,848.0                | 1,759.7                 | 88.33                     | 20.922            |                    |          |
| 16,041.3                                                                                    | 11,062.9              | 15,879.4              | 11,042.9              | 45.6             | 43.5          | 89.40                 | 4,999.8                             | 1,178.4      | 1,848.0                | 1,759.0                 | 89.01                     | 20.761            |                    |          |
| 16,059.2                                                                                    | 11,062.9              | 15,891.5              | 11,042.9              | 45.7             | 43.6          | 89.40                 | 5,011.8                             | 1,178.3      | 1,848.1                | 1,758.8                 | 89.27                     | 20.702            |                    |          |
| 16,080.2                                                                                    | 11,062.9              | 15,904.7              | 11,042.9              | 45.9             | 43.7          | 89.40                 | 5,025.1                             | 1,178.2      | 1,848.1                | 1,758.5                 | 89.56                     | 20.636            |                    |          |
| 16,100.0                                                                                    | 11,062.8              | 15,924.6              | 11,042.8              | 46.1             | 43.8          | 89.40                 | 5,044.9                             | 1,178.1      | 1,848.1                | 1,758.2                 | 89.89                     | 20.560            |                    |          |
| 16,200.0                                                                                    | 11,062.7              | 16,024.6              | 11,042.7              | 46.9             | 44.7          | 89.40                 | 5,144.9                             | 1,177.6      | 1,848.1                | 1,756.6                 | 91.54                     | 20.188            |                    |          |
| 16,300.0                                                                                    | 11,062.5              | 16,124.6              | 11,042.5              | 47.7             | 45.5          | 89.40                 | 5,244.9                             | 1,177.1      | 1,848.1                | 1,754.9                 | 93.21                     | 19.828            |                    |          |
| 16,400.0                                                                                    | 11,062.4              | 16,224.6              | 11,042.4              | 48.6             | 46.3          | 89.40                 | 5,344.9                             | 1,176.6      | 1,848.1                | 1,753.2                 | 94.87                     | 19.481            |                    |          |
| 16,500.0                                                                                    | 11,062.2              | 16,324.6              | 11,042.2              | 49.4             | 47.1          | 89.40                 | 5,444.9                             | 1,176.1      | 1,848.1                | 1,751.6                 | 96.53                     | 19.145            |                    |          |
| 16,600.0                                                                                    | 11,062.1              | 16,424.6              | 11,042.1              | 50.2             | 48.0          | 89.40                 | 5,544.9                             | 1,175.6      | 1,848.1                | 1,749.9                 | 98.20                     | 18.820            |                    |          |
| 16,700.0                                                                                    | 11,061.9              | 16,524.6              | 11,041.9              | 51.1             | 48.8          | 89.40                 | 5,644.9                             | 1,175.1      | 1,848.1                | 1,748.2                 | 99.87                     | 18.505            |                    |          |
| 16,800.0                                                                                    | 11,061.8              | 16,624.6              | 11,041.8              | 51.9             | 49.6          | 89.40                 | 5,744.9                             | 1,174.5      | 1,848.1                | 1,746.6                 | 101.54                    | 18.201            |                    |          |
| 16,900.0                                                                                    | 11,061.6              | 16,724.6              | 11,041.6              | 52.8             | 50.5          | 89.40                 | 5,844.9                             | 1,174.0      | 1,848.1                | 1,744.9                 | 103.21                    | 17.906            |                    |          |
| 17,000.0                                                                                    | 11,061.4              | 16,824.6              | 11,041.4              | 53.6             | 51.3          | 89.40                 | 5,944.9                             | 1,173.5      | 1,848.1                | 1,743.2                 | 104.89                    | 17.620            |                    |          |
| 17,100.0                                                                                    | 11,061.3              | 16,924.6              | 11,041.3              | 54.4             | 52.1          | 89.40                 | 6,044.9                             | 1,173.0      | 1,848.1                | 1,741.5                 | 106.56                    | 17.343            |                    |          |
| 17,200.0                                                                                    | 11,061.1              | 17,024.6              | 11,041.1              | 55.3             | 53.0          | 89.40                 | 6,144.9                             | 1,172.5      | 1,848.1                | 1,739.9                 | 108.24                    | 17.075            |                    |          |
| 17,300.0                                                                                    | 11,061.0              | 17,124.6              | 11,041.0              | 56.1             | 53.8          | 89.40                 | 6,244.9                             | 1,172.0      | 1,848.1                | 1,738.2                 | 109.92                    | 16.814            |                    |          |
| 17,400.0                                                                                    | 11,060.8              | 17,224.6              | 11,040.8              | 57.0             | 54.7          | 89.40                 | 6,344.9                             | 1,171.5      | 1,848.1                | 1,736.5                 | 111.60                    | 16.561            |                    |          |
| 17,500.0                                                                                    | 11,060.7              | 17,324.6              | 11,040.7              | 57.8             | 55.5          | 89.40                 | 6,444.9                             | 1,171.0      | 1,848.1                | 1,734.8                 | 113.28                    | 16.315            |                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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 ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM #801H - OWB - PWP1 |                       |                       |                       |                  |               |                        |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10581-MWD+IFR1+FDIR                                  |                       |                       |                       |                  |               |                        |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Measured Depth (usft)                                                                       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Semi Major Axis (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 17,600.0                                                                                    | 11,060.5              | 17,424.6              | 11,040.5              | 58.7             | 56.3          | 89.40                  | 89.40                 | 6,544.9                             | 1,170.5      | 1,848.1                | 1,733.1                 | 114.96                    | 16.076             |          |
| 17,700.0                                                                                    | 11,060.4              | 17,524.6              | 11,040.4              | 59.5             | 57.2          | 89.40                  | 89.40                 | 6,644.9                             | 1,170.0      | 1,848.1                | 1,731.5                 | 116.64                    | 15.844             |          |
| 17,800.0                                                                                    | 11,060.2              | 17,624.6              | 11,040.2              | 60.3             | 58.0          | 89.40                  | 89.40                 | 6,744.9                             | 1,169.4      | 1,848.1                | 1,729.8                 | 118.33                    | 15.619             |          |
| 17,900.0                                                                                    | 11,060.1              | 17,724.6              | 11,040.1              | 61.2             | 58.9          | 89.40                  | 89.40                 | 6,844.9                             | 1,168.9      | 1,848.1                | 1,728.1                 | 120.01                    | 15.399             |          |
| 18,000.0                                                                                    | 11,059.9              | 17,824.6              | 11,039.9              | 62.0             | 59.7          | 89.40                  | 89.40                 | 6,944.9                             | 1,168.4      | 1,848.1                | 1,726.4                 | 121.70                    | 15.186             |          |
| 18,100.0                                                                                    | 11,059.7              | 17,924.6              | 11,039.7              | 62.9             | 60.5          | 89.40                  | 89.40                 | 7,044.9                             | 1,167.9      | 1,848.1                | 1,724.7                 | 123.39                    | 14.978             |          |
| 18,200.0                                                                                    | 11,059.6              | 18,024.6              | 11,039.6              | 63.7             | 61.4          | 89.40                  | 89.40                 | 7,144.9                             | 1,167.4      | 1,848.1                | 1,723.0                 | 125.07                    | 14.776             |          |
| 18,300.0                                                                                    | 11,059.4              | 18,124.6              | 11,039.4              | 64.6             | 62.2          | 89.40                  | 89.40                 | 7,244.9                             | 1,166.9      | 1,848.1                | 1,721.3                 | 126.76                    | 14.579             |          |
| 18,400.0                                                                                    | 11,059.3              | 18,224.6              | 11,039.3              | 65.4             | 63.1          | 89.40                  | 89.40                 | 7,344.9                             | 1,166.4      | 1,848.1                | 1,719.7                 | 128.45                    | 14.387             |          |
| 18,500.0                                                                                    | 11,059.1              | 18,324.6              | 11,039.1              | 66.3             | 63.9          | 89.40                  | 89.40                 | 7,444.9                             | 1,165.9      | 1,848.1                | 1,718.0                 | 130.15                    | 14.200             |          |
| 18,600.0                                                                                    | 11,059.0              | 18,424.6              | 11,039.0              | 67.1             | 64.8          | 89.40                  | 89.40                 | 7,544.9                             | 1,165.4      | 1,848.1                | 1,716.3                 | 131.84                    | 14.018             |          |
| 18,700.0                                                                                    | 11,058.8              | 18,524.6              | 11,038.8              | 68.0             | 65.6          | 89.40                  | 89.40                 | 7,644.9                             | 1,164.9      | 1,848.1                | 1,714.6                 | 133.53                    | 13.840             |          |
| 18,800.0                                                                                    | 11,058.7              | 18,624.6              | 11,038.7              | 68.8             | 66.4          | 89.40                  | 89.40                 | 7,744.9                             | 1,164.4      | 1,848.1                | 1,712.9                 | 135.22                    | 13.667             |          |
| 18,900.0                                                                                    | 11,058.5              | 18,724.6              | 11,038.5              | 69.7             | 67.3          | 89.40                  | 89.40                 | 7,844.9                             | 1,163.8      | 1,848.1                | 1,711.2                 | 136.92                    | 13.498             |          |
| 19,000.0                                                                                    | 11,058.4              | 18,824.6              | 11,038.3              | 70.5             | 68.1          | 89.40                  | 89.40                 | 7,944.9                             | 1,163.3      | 1,848.1                | 1,709.5                 | 138.61                    | 13.333             |          |
| 19,100.0                                                                                    | 11,058.2              | 18,924.6              | 11,038.2              | 71.4             | 69.0          | 89.40                  | 89.40                 | 8,044.9                             | 1,162.8      | 1,848.1                | 1,707.8                 | 140.31                    | 13.172             |          |
| 19,200.0                                                                                    | 11,058.0              | 19,024.6              | 11,038.0              | 72.2             | 69.8          | 89.40                  | 89.40                 | 8,144.8                             | 1,162.3      | 1,848.1                | 1,706.1                 | 142.00                    | 13.015             |          |
| 19,300.0                                                                                    | 11,057.9              | 19,124.6              | 11,037.9              | 73.0             | 70.7          | 89.40                  | 89.40                 | 8,244.8                             | 1,161.8      | 1,848.1                | 1,704.4                 | 143.70                    | 12.861             |          |
| 19,400.0                                                                                    | 11,057.7              | 19,224.6              | 11,037.7              | 73.9             | 71.5          | 89.40                  | 89.40                 | 8,344.8                             | 1,161.3      | 1,848.1                | 1,702.7                 | 145.40                    | 12.711             |          |
| 19,500.0                                                                                    | 11,057.6              | 19,324.6              | 11,037.6              | 74.7             | 72.4          | 89.40                  | 89.40                 | 8,444.8                             | 1,160.8      | 1,848.1                | 1,701.0                 | 147.10                    | 12.564             |          |
| 19,600.0                                                                                    | 11,057.4              | 19,424.6              | 11,037.4              | 75.6             | 73.2          | 89.40                  | 89.40                 | 8,544.8                             | 1,160.3      | 1,848.1                | 1,699.3                 | 148.79                    | 12.421             |          |
| 19,700.0                                                                                    | 11,057.3              | 19,524.6              | 11,037.3              | 76.5             | 74.1          | 89.40                  | 89.40                 | 8,644.8                             | 1,159.8      | 1,848.1                | 1,697.6                 | 150.49                    | 12.280             |          |
| 19,800.0                                                                                    | 11,057.1              | 19,624.6              | 11,037.1              | 77.3             | 74.9          | 89.40                  | 89.40                 | 8,744.8                             | 1,159.3      | 1,848.1                | 1,695.9                 | 152.19                    | 12.143             |          |
| 19,900.0                                                                                    | 11,057.0              | 19,724.6              | 11,037.0              | 78.2             | 75.8          | 89.40                  | 89.40                 | 8,844.8                             | 1,158.8      | 1,848.1                | 1,694.2                 | 153.89                    | 12.009             |          |
| 20,000.0                                                                                    | 11,056.8              | 19,824.6              | 11,036.8              | 79.0             | 76.6          | 89.40                  | 89.40                 | 8,944.8                             | 1,158.2      | 1,848.1                | 1,692.5                 | 155.59                    | 11.878             |          |
| 20,100.0                                                                                    | 11,056.6              | 19,924.6              | 11,036.6              | 79.9             | 77.5          | 89.40                  | 89.40                 | 9,044.8                             | 1,157.7      | 1,848.1                | 1,690.8                 | 157.29                    | 11.749             |          |
| 20,200.0                                                                                    | 11,056.5              | 20,024.6              | 11,036.5              | 80.7             | 78.3          | 89.40                  | 89.40                 | 9,144.8                             | 1,157.2      | 1,848.1                | 1,689.1                 | 159.00                    | 11.624             |          |
| 20,300.0                                                                                    | 11,056.3              | 20,124.6              | 11,036.3              | 81.6             | 79.2          | 89.40                  | 89.40                 | 9,244.8                             | 1,156.7      | 1,848.1                | 1,687.4                 | 160.70                    | 11.501             |          |
| 20,400.0                                                                                    | 11,056.2              | 20,224.6              | 11,036.2              | 82.4             | 80.0          | 89.40                  | 89.40                 | 9,344.8                             | 1,156.2      | 1,848.1                | 1,685.7                 | 162.40                    | 11.380             |          |
| 20,500.0                                                                                    | 11,056.0              | 20,324.6              | 11,036.0              | 83.3             | 80.9          | 89.40                  | 89.40                 | 9,444.8                             | 1,155.7      | 1,848.1                | 1,684.0                 | 164.10                    | 11.262             |          |
| 20,600.0                                                                                    | 11,055.9              | 20,424.6              | 11,035.9              | 84.1             | 81.7          | 89.40                  | 89.40                 | 9,544.8                             | 1,155.2      | 1,848.1                | 1,682.3                 | 165.81                    | 11.146             |          |
| 20,700.0                                                                                    | 11,055.7              | 20,524.6              | 11,035.7              | 85.0             | 82.6          | 89.40                  | 89.40                 | 9,644.8                             | 1,154.7      | 1,848.1                | 1,680.6                 | 167.51                    | 11.033             |          |
| 20,800.0                                                                                    | 11,055.6              | 20,624.6              | 11,035.6              | 85.8             | 83.4          | 89.40                  | 89.40                 | 9,744.8                             | 1,154.2      | 1,848.1                | 1,678.9                 | 169.21                    | 10.922             |          |
| 20,900.0                                                                                    | 11,055.4              | 20,724.6              | 11,035.4              | 86.7             | 84.3          | 89.40                  | 89.40                 | 9,844.8                             | 1,153.7      | 1,848.1                | 1,677.2                 | 170.92                    | 10.813             |          |
| 21,000.0                                                                                    | 11,055.3              | 20,824.6              | 11,035.3              | 87.5             | 85.1          | 89.40                  | 89.40                 | 9,944.8                             | 1,153.1      | 1,848.1                | 1,675.5                 | 172.62                    | 10.706             |          |
| 21,100.0                                                                                    | 11,055.1              | 20,924.6              | 11,035.1              | 88.4             | 85.9          | 89.40                  | 89.40                 | 10,044.8                            | 1,152.6      | 1,848.1                | 1,673.9                 | 174.27                    | 10.605             |          |
| 21,105.8                                                                                    | 11,055.1              | 20,930.3              | 11,035.1              | 88.4             | 85.9          | 89.40                  | 89.40                 | 10,050.6                            | 1,152.6      | 1,848.1                | 1,673.8                 | 174.35                    | 10.600             |          |
| 21,166.2                                                                                    | 11,055.0              | 20,990.6              | 11,035.0              | 88.9             | 86.3          | 89.40                  | 89.40                 | 10,110.8                            | 1,152.3      | 1,848.1                | 1,672.9                 | 175.24                    | 10.546             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10573-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           | 90.00                 | 0.0                                 | 30.0         | 30.0                   |                         |                           |                    |          |
| 100.0                                                      | 100.0                 | 99.6                  | 99.6                  | 3.0              | 3.0           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 24.0                    | 6.00                      | 5.000              |          |
| 200.0                                                      | 200.0                 | 199.6                 | 199.6                 | 3.0              | 3.0           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 24.0                    | 6.00                      | 4.997              |          |
| 300.0                                                      | 300.0                 | 299.6                 | 299.6                 | 3.0              | 3.0           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 24.0                    | 6.01                      | 4.992              |          |
| 400.0                                                      | 400.0                 | 399.6                 | 399.6                 | 3.0              | 3.0           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 24.0                    | 6.02                      | 4.985              |          |
| 500.0                                                      | 500.0                 | 499.6                 | 499.6                 | 3.1              | 3.1           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 24.0                    | 6.03                      | 4.974              |          |
| 600.0                                                      | 600.0                 | 599.6                 | 599.6                 | 3.1              | 3.1           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 24.0                    | 6.05                      | 4.961              |          |
| 700.0                                                      | 700.0                 | 699.6                 | 699.6                 | 3.1              | 3.1           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.9                    | 6.07                      | 4.946              |          |
| 800.0                                                      | 800.0                 | 799.6                 | 799.6                 | 3.2              | 3.2           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.9                    | 6.09                      | 4.928              |          |
| 900.0                                                      | 900.0                 | 899.6                 | 899.6                 | 3.2              | 3.2           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.9                    | 6.11                      | 4.908              |          |
| 1,000.0                                                    | 1,000.0               | 999.6                 | 999.6                 | 3.2              | 3.2           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.9                    | 6.14                      | 4.885              |          |
| 1,100.0                                                    | 1,100.0               | 1,099.6               | 1,099.6               | 3.3              | 3.3           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.8                    | 6.17                      | 4.860              |          |
| 1,200.0                                                    | 1,200.0               | 1,199.6               | 1,199.6               | 3.4              | 3.4           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.8                    | 6.21                      | 4.834              |          |
| 1,300.0                                                    | 1,300.0               | 1,299.6               | 1,299.6               | 3.4              | 3.4           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.8                    | 6.24                      | 4.805              |          |
| 1,400.0                                                    | 1,400.0               | 1,399.6               | 1,399.6               | 3.5              | 3.5           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.7                    | 6.28                      | 4.774              |          |
| 1,500.0                                                    | 1,500.0               | 1,499.6               | 1,499.6               | 3.5              | 3.5           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.7                    | 6.33                      | 4.742              |          |
| 1,600.0                                                    | 1,600.0               | 1,599.6               | 1,599.6               | 3.6              | 3.6           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.6                    | 6.37                      | 4.708              |          |
| 1,700.0                                                    | 1,700.0               | 1,699.6               | 1,699.6               | 3.7              | 3.7           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.6                    | 6.42                      | 4.672              |          |
| 1,800.0                                                    | 1,800.0               | 1,799.6               | 1,799.6               | 3.8              | 3.8           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.5                    | 6.47                      | 4.635              |          |
| 1,900.0                                                    | 1,900.0               | 1,899.6               | 1,899.6               | 3.9              | 3.9           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.5                    | 6.53                      | 4.597              |          |
| 2,000.0                                                    | 2,000.0               | 1,999.6               | 1,999.6               | 3.9              | 3.9           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.4                    | 6.58                      | 4.558              |          |
| 2,100.0                                                    | 2,100.0               | 2,099.6               | 2,099.6               | 4.0              | 4.0           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.4                    | 6.64                      | 4.518              |          |
| 2,200.0                                                    | 2,200.0               | 2,199.6               | 2,199.6               | 4.1              | 4.1           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.3                    | 6.70                      | 4.477              |          |
| 2,300.0                                                    | 2,300.0               | 2,299.6               | 2,299.6               | 4.2              | 4.2           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.2                    | 6.76                      | 4.435              |          |
| 2,400.0                                                    | 2,400.0               | 2,399.6               | 2,399.6               | 4.3              | 4.3           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.2                    | 6.83                      | 4.392              |          |
| 2,500.0                                                    | 2,500.0               | 2,499.6               | 2,499.6               | 4.4              | 4.4           | 90.00                 | 0.0                                 | 30.0         | 30.0                   | 23.1                    | 6.90                      | 4.349 CC, ES, SF   |          |
| 2,600.0                                                    | 2,600.0               | 2,599.6               | 2,599.6               | 4.4              | 4.5           | -163.86               | 0.0                                 | 30.0         | 31.7                   | 24.7                    | 6.97                      | 4.545              |          |
| 2,700.0                                                    | 2,699.8               | 2,699.4               | 2,699.4               | 4.5              | 4.6           | -166.11               | 0.0                                 | 30.0         | 36.7                   | 29.7                    | 7.04                      | 5.214              |          |
| 2,713.9                                                    | 2,713.7               | 2,713.3               | 2,713.3               | 4.5              | 4.6           | -166.47               | 0.0                                 | 30.0         | 37.7                   | 30.6                    | 7.05                      | 5.345              |          |
| 2,800.0                                                    | 2,799.6               | 2,799.2               | 2,799.2               | 4.5              | 4.7           | -168.43               | 0.0                                 | 30.0         | 44.0                   | 36.8                    | 7.13                      | 6.171              |          |
| 2,900.0                                                    | 2,899.3               | 2,898.9               | 2,898.9               | 4.5              | 4.8           | -170.10               | 0.0                                 | 30.0         | 51.3                   | 44.1                    | 7.21                      | 7.115              |          |
| 3,000.0                                                    | 2,999.0               | 2,998.6               | 2,998.6               | 4.5              | 4.9           | -171.35               | 0.0                                 | 30.0         | 58.7                   | 51.4                    | 7.30                      | 8.037              |          |
| 3,100.0                                                    | 3,098.7               | 3,098.3               | 3,098.3               | 4.5              | 5.0           | -172.32               | 0.0                                 | 30.0         | 66.1                   | 58.7                    | 7.39                      | 8.937              |          |
| 3,200.0                                                    | 3,198.4               | 3,198.0               | 3,198.0               | 4.6              | 5.1           | -173.10               | 0.0                                 | 30.0         | 73.5                   | 66.0                    | 7.49                      | 9.813              |          |
| 3,300.0                                                    | 3,298.2               | 3,297.8               | 3,297.8               | 4.6              | 5.2           | -173.74               | 0.0                                 | 30.0         | 80.9                   | 73.3                    | 7.58                      | 10.663             |          |
| 3,400.0                                                    | 3,397.9               | 3,397.5               | 3,397.5               | 4.6              | 5.3           | -174.26               | 0.0                                 | 30.0         | 88.3                   | 80.6                    | 7.68                      | 11.488             |          |
| 3,500.0                                                    | 3,497.6               | 3,497.2               | 3,497.2               | 4.7              | 5.4           | -174.71               | 0.0                                 | 30.0         | 95.7                   | 87.9                    | 7.79                      | 12.287             |          |
| 3,600.0                                                    | 3,597.3               | 3,596.9               | 3,596.9               | 4.7              | 5.5           | -175.09               | 0.0                                 | 30.0         | 103.1                  | 95.2                    | 7.90                      | 13.060             |          |
| 3,700.0                                                    | 3,697.1               | 3,696.7               | 3,696.7               | 4.8              | 5.7           | -175.42               | 0.0                                 | 30.0         | 110.6                  | 102.6                   | 8.01                      | 13.805             |          |
| 3,800.0                                                    | 3,796.8               | 3,796.4               | 3,796.4               | 4.8              | 5.8           | -175.71               | 0.0                                 | 30.0         | 118.0                  | 109.9                   | 8.13                      | 14.525             |          |
| 3,900.0                                                    | 3,896.5               | 3,896.1               | 3,896.1               | 4.9              | 5.9           | -175.97               | 0.0                                 | 30.0         | 125.5                  | 117.2                   | 8.24                      | 15.218             |          |
| 4,000.0                                                    | 3,996.2               | 3,995.8               | 3,995.8               | 4.9              | 6.0           | -176.19               | 0.0                                 | 30.0         | 132.9                  | 124.5                   | 8.37                      | 15.886             |          |
| 4,100.0                                                    | 4,095.9               | 4,095.5               | 4,095.5               | 5.0              | 6.1           | -176.40               | 0.0                                 | 30.0         | 140.3                  | 131.9                   | 8.49                      | 16.528             |          |
| 4,200.0                                                    | 4,195.7               | 4,195.3               | 4,195.3               | 5.1              | 6.2           | -176.58               | 0.0                                 | 30.0         | 147.8                  | 139.2                   | 8.62                      | 17.146             |          |
| 4,300.0                                                    | 4,295.4               | 4,295.0               | 4,295.0               | 5.1              | 6.3           | -176.74               | 0.0                                 | 30.0         | 155.2                  | 146.5                   | 8.75                      | 17.739             |          |
| 4,400.0                                                    | 4,395.1               | 4,394.7               | 4,394.7               | 5.2              | 6.5           | -176.89               | 0.0                                 | 30.0         | 162.7                  | 153.8                   | 8.89                      | 18.309             |          |
| 4,500.0                                                    | 4,494.8               | 4,494.4               | 4,494.4               | 5.3              | 6.6           | -177.03               | 0.0                                 | 30.0         | 170.1                  | 161.1                   | 9.02                      | 18.856             |          |
| 4,600.0                                                    | 4,594.5               | 4,594.1               | 4,594.1               | 5.3              | 6.7           | -177.15               | 0.0                                 | 30.0         | 177.6                  | 168.4                   | 9.16                      | 19.382             |          |
| 4,700.0                                                    | 4,694.3               | 4,693.9               | 4,693.9               | 5.4              | 6.8           | -177.27               | 0.0                                 | 30.0         | 185.0                  | 175.7                   | 9.30                      | 19.886             |          |
| 4,800.0                                                    | 4,794.0               | 4,793.6               | 4,793.6               | 5.5              | 6.9           | -177.37               | 0.0                                 | 30.0         | 192.5                  | 183.0                   | 9.45                      | 20.370             |          |
| 4,900.0                                                    | 4,893.7               | 4,893.3               | 4,893.3               | 5.6              | 7.0           | -177.47               | 0.0                                 | 30.0         | 199.9                  | 190.3                   | 9.60                      | 20.834             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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 ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM #802H - OWB - PWP1 |                       |                       |                       |           |        |                 |                       |                                     |              |                                 |                         |                           | Offset Site Error: | 0.0 usft |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|--------|-----------------|-----------------------|-------------------------------------|--------------|---------------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10573-MWD+IFR1+FDIR                                  |                       |                       |                       |           |        |                 |                       |                                     |              |                                 |                         |                           | Offset Well Error: | 3.0 usft |
| Measured Depth (usft)                                                                       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference | Offset | Semi Major Axis | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Distance Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 5,000.0                                                                                     | 4,993.4               | 4,993.0               | 4,993.0               | 5.7       | 7.2    | -177.56         |                       | 0.0                                 | 30.0         | 207.4                           | 197.6                   | 9.75                      | 21.279             |          |
| 5,100.0                                                                                     | 5,093.2               | 5,092.8               | 5,092.8               | 5.7       | 7.3    | -177.65         |                       | 0.0                                 | 30.0         | 214.8                           | 204.9                   | 9.90                      | 21.707             |          |
| 5,200.0                                                                                     | 5,192.9               | 5,192.5               | 5,192.5               | 5.8       | 7.4    | -177.73         |                       | 0.0                                 | 30.0         | 222.3                           | 212.3                   | 10.05                     | 22.117             |          |
| 5,300.0                                                                                     | 5,292.6               | 5,292.2               | 5,292.2               | 5.9       | 7.5    | -177.80         |                       | 0.0                                 | 30.0         | 229.8                           | 219.5                   | 10.21                     | 22.510             |          |
| 5,400.0                                                                                     | 5,392.3               | 5,391.9               | 5,391.9               | 6.0       | 7.6    | -177.87         |                       | 0.0                                 | 30.0         | 237.2                           | 226.8                   | 10.36                     | 22.888             |          |
| 5,500.0                                                                                     | 5,492.0               | 5,491.6               | 5,491.6               | 6.1       | 7.8    | -177.93         |                       | 0.0                                 | 30.0         | 244.7                           | 234.1                   | 10.52                     | 23.250             |          |
| 5,600.0                                                                                     | 5,591.8               | 5,586.4               | 5,586.4               | 6.2       | 7.8    | -177.77         |                       | -0.7                                | 31.1         | 253.0                           | 242.3                   | 10.69                     | 23.667             |          |
| 5,700.0                                                                                     | 5,691.5               | 5,680.2               | 5,680.1               | 6.3       | 7.8    | -177.10         |                       | -3.2                                | 34.7         | 263.5                           | 252.6                   | 10.87                     | 24.242             |          |
| 5,800.0                                                                                     | 5,791.2               | 5,779.2               | 5,778.9               | 6.4       | 7.8    | -176.18         |                       | -6.8                                | 39.9         | 275.2                           | 264.2                   | 11.04                     | 24.932             |          |
| 5,900.0                                                                                     | 5,890.9               | 5,878.4               | 5,877.9               | 6.5       | 7.8    | -175.33         |                       | -10.4                               | 45.2         | 287.0                           | 275.8                   | 11.21                     | 25.599             |          |
| 6,000.0                                                                                     | 5,990.6               | 5,977.6               | 5,976.9               | 6.6       | 7.8    | -174.55         |                       | -14.0                               | 50.4         | 298.9                           | 287.5                   | 11.39                     | 26.245             |          |
| 6,100.0                                                                                     | 6,090.4               | 6,076.9               | 6,075.9               | 6.6       | 7.8    | -173.83         |                       | -17.6                               | 55.7         | 310.8                           | 299.2                   | 11.57                     | 26.869             |          |
| 6,200.0                                                                                     | 6,190.1               | 6,176.1               | 6,174.9               | 6.7       | 7.8    | -173.16         |                       | -21.2                               | 60.9         | 322.7                           | 310.9                   | 11.75                     | 27.472             |          |
| 6,300.0                                                                                     | 6,289.8               | 6,275.3               | 6,273.9               | 6.8       | 7.8    | -172.54         |                       | -24.8                               | 66.2         | 334.7                           | 322.7                   | 11.93                     | 28.056             |          |
| 6,400.0                                                                                     | 6,389.5               | 6,374.5               | 6,373.0               | 6.9       | 7.8    | -171.96         |                       | -28.4                               | 71.5         | 346.7                           | 334.6                   | 12.11                     | 28.621             |          |
| 6,500.0                                                                                     | 6,489.3               | 6,473.7               | 6,472.0               | 7.0       | 7.8    | -171.42         |                       | -32.0                               | 76.7         | 358.7                           | 346.4                   | 12.30                     | 29.166             |          |
| 6,600.0                                                                                     | 6,589.0               | 6,572.9               | 6,571.0               | 7.2       | 7.8    | -170.92         |                       | -35.6                               | 82.0         | 370.8                           | 358.3                   | 12.49                     | 29.694             |          |
| 6,700.0                                                                                     | 6,688.7               | 6,672.2               | 6,670.0               | 7.3       | 7.8    | -170.44         |                       | -39.2                               | 87.2         | 382.9                           | 370.2                   | 12.68                     | 30.205             |          |
| 6,800.0                                                                                     | 6,788.4               | 6,771.4               | 6,769.0               | 7.4       | 7.8    | -170.00         |                       | -42.9                               | 92.5         | 395.0                           | 382.2                   | 12.87                     | 30.699             |          |
| 6,900.0                                                                                     | 6,888.1               | 6,870.6               | 6,868.0               | 7.5       | 7.8    | -169.58         |                       | -46.5                               | 97.7         | 407.2                           | 394.1                   | 13.06                     | 31.177             |          |
| 7,000.0                                                                                     | 6,987.9               | 6,969.8               | 6,967.0               | 7.6       | 7.9    | -169.19         |                       | -50.1                               | 103.0        | 419.4                           | 406.1                   | 13.25                     | 31.639             |          |
| 7,100.0                                                                                     | 7,087.6               | 7,069.0               | 7,066.0               | 7.7       | 7.9    | -168.82         |                       | -53.7                               | 108.3        | 431.6                           | 418.1                   | 13.45                     | 32.086             |          |
| 7,200.0                                                                                     | 7,187.3               | 7,168.2               | 7,165.1               | 7.8       | 7.9    | -168.47         |                       | -57.3                               | 113.5        | 443.8                           | 430.1                   | 13.65                     | 32.518             |          |
| 7,300.0                                                                                     | 7,287.0               | 7,267.5               | 7,264.1               | 7.9       | 7.9    | -168.14         |                       | -60.9                               | 118.8        | 456.0                           | 442.1                   | 13.84                     | 32.936             |          |
| 7,400.0                                                                                     | 7,386.7               | 7,366.7               | 7,363.1               | 8.0       | 8.0    | -167.82         |                       | -64.5                               | 124.0        | 468.2                           | 454.2                   | 14.04                     | 33.340             |          |
| 7,500.0                                                                                     | 7,486.5               | 7,465.9               | 7,462.1               | 8.1       | 8.0    | -167.52         |                       | -68.1                               | 129.3        | 480.5                           | 466.2                   | 14.24                     | 33.731             |          |
| 7,600.0                                                                                     | 7,586.2               | 7,565.1               | 7,561.1               | 8.2       | 8.0    | -167.24         |                       | -71.7                               | 134.6        | 492.7                           | 478.3                   | 14.45                     | 34.109             |          |
| 7,700.0                                                                                     | 7,685.9               | 7,664.3               | 7,660.1               | 8.3       | 8.0    | -166.97         |                       | -75.3                               | 139.8        | 505.0                           | 490.3                   | 14.65                     | 34.475             |          |
| 7,800.0                                                                                     | 7,785.6               | 7,763.5               | 7,759.1               | 8.4       | 8.1    | -166.71         |                       | -78.9                               | 145.1        | 517.3                           | 502.4                   | 14.85                     | 34.829             |          |
| 7,900.0                                                                                     | 7,885.4               | 7,862.8               | 7,858.1               | 8.5       | 8.1    | -166.47         |                       | -82.5                               | 150.3        | 529.6                           | 514.5                   | 15.06                     | 35.171             |          |
| 8,000.0                                                                                     | 7,985.1               | 7,962.0               | 7,957.1               | 8.7       | 8.2    | -166.23         |                       | -86.1                               | 155.6        | 541.9                           | 526.6                   | 15.26                     | 35.502             |          |
| 8,100.0                                                                                     | 8,084.8               | 8,061.2               | 8,056.2               | 8.8       | 8.2    | -166.01         |                       | -89.7                               | 160.8        | 554.2                           | 538.7                   | 15.47                     | 35.823             |          |
| 8,200.0                                                                                     | 8,184.5               | 8,160.4               | 8,155.2               | 8.9       | 8.2    | -165.80         |                       | -93.3                               | 166.1        | 566.5                           | 550.8                   | 15.68                     | 36.133             |          |
| 8,300.0                                                                                     | 8,284.2               | 8,259.6               | 8,254.2               | 9.0       | 8.3    | -165.59         |                       | -96.9                               | 171.4        | 578.8                           | 562.9                   | 15.89                     | 36.433             |          |
| 8,400.0                                                                                     | 8,384.0               | 8,358.8               | 8,353.2               | 9.1       | 8.3    | -165.40         |                       | -100.5                              | 176.6        | 591.1                           | 575.0                   | 16.10                     | 36.723             |          |
| 8,500.0                                                                                     | 8,483.7               | 8,458.1               | 8,452.2               | 9.2       | 8.4    | -165.21         |                       | -104.1                              | 181.9        | 603.5                           | 587.2                   | 16.31                     | 37.004             |          |
| 8,600.0                                                                                     | 8,583.4               | 8,557.3               | 8,551.2               | 9.3       | 8.4    | -165.03         |                       | -107.7                              | 187.1        | 615.8                           | 599.3                   | 16.52                     | 37.276             |          |
| 8,700.0                                                                                     | 8,683.1               | 8,656.5               | 8,650.2               | 9.5       | 8.5    | -164.85         |                       | -111.4                              | 192.4        | 628.2                           | 611.4                   | 16.73                     | 37.539             |          |
| 8,800.0                                                                                     | 8,782.8               | 8,755.7               | 8,749.2               | 9.6       | 8.5    | -164.69         |                       | -115.0                              | 197.6        | 640.5                           | 623.6                   | 16.95                     | 37.794             |          |
| 8,900.0                                                                                     | 8,882.6               | 8,854.9               | 8,848.3               | 9.7       | 8.6    | -164.53         |                       | -118.6                              | 202.9        | 652.9                           | 635.7                   | 17.16                     | 38.041             |          |
| 9,000.0                                                                                     | 8,982.3               | 8,954.1               | 8,947.3               | 9.8       | 8.7    | -164.37         |                       | -122.2                              | 208.2        | 665.3                           | 647.9                   | 17.38                     | 38.280             |          |
| 9,100.0                                                                                     | 9,082.0               | 9,053.4               | 9,046.3               | 9.9       | 8.7    | -164.22         |                       | -125.8                              | 213.4        | 677.6                           | 660.0                   | 17.60                     | 38.511             |          |
| 9,200.0                                                                                     | 9,181.7               | 9,152.6               | 9,145.3               | 10.0      | 8.8    | -164.08         |                       | -129.4                              | 218.7        | 690.0                           | 672.2                   | 17.81                     | 38.735             |          |
| 9,300.0                                                                                     | 9,281.4               | 9,251.8               | 9,244.3               | 10.2      | 8.8    | -163.94         |                       | -133.0                              | 223.9        | 702.4                           | 684.3                   | 18.03                     | 38.953             |          |
| 9,400.0                                                                                     | 9,381.2               | 9,351.0               | 9,343.3               | 10.3      | 8.9    | -163.81         |                       | -136.6                              | 229.2        | 714.8                           | 696.5                   | 18.25                     | 39.163             |          |
| 9,500.0                                                                                     | 9,480.9               | 9,450.2               | 9,442.3               | 10.4      | 9.0    | -163.68         |                       | -140.2                              | 234.4        | 727.1                           | 708.7                   | 18.47                     | 39.367             |          |
| 9,600.0                                                                                     | 9,580.6               | 9,549.4               | 9,541.3               | 10.5      | 9.0    | -163.55         |                       | -143.8                              | 239.7        | 739.5                           | 720.8                   | 18.69                     | 39.564             |          |
| 9,700.0                                                                                     | 9,680.3               | 9,648.7               | 9,640.3               | 10.6      | 9.1    | -163.43         |                       | -147.4                              | 245.0        | 751.9                           | 733.0                   | 18.91                     | 39.755             |          |
| 9,800.0                                                                                     | 9,780.1               | 9,747.9               | 9,739.4               | 10.8      | 9.2    | -163.32         |                       | -151.0                              | 250.2        | 764.3                           | 745.2                   | 19.14                     | 39.941             |          |
| 9,900.0                                                                                     | 9,879.8               | 9,847.1               | 9,838.4               | 10.9      | 9.3    | -163.20         |                       | -154.6                              | 255.5        | 776.7                           | 757.4                   | 19.36                     | 40.121             |          |
| 10,000.0                                                                                    | 9,979.5               | 9,946.3               | 9,937.4               | 11.0      | 9.3    | -163.09         |                       | -158.2                              | 260.7        | 789.1                           | 769.5                   | 19.58                     | 40.295             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-----------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10573-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  |
| 10,100.0                                                   | 10,079.2              | 10,045.5              | 10,036.4              | 11.1             | 9.4           | -162.99               | -161.8                              | 266.0           | 801.5                  | 781.7                   | 19.81                     | 40.464             |          |
| 10,200.0                                                   | 10,178.9              | 10,144.8              | 10,135.4              | 11.2             | 9.5           | -162.88               | -165.4                              | 271.2           | 813.9                  | 793.9                   | 20.03                     | 40.627             |          |
| 10,300.0                                                   | 10,278.7              | 10,244.0              | 10,234.4              | 11.4             | 9.6           | -162.78               | -169.0                              | 276.5           | 826.3                  | 806.1                   | 20.26                     | 40.786             |          |
| 10,400.0                                                   | 10,378.4              | 10,343.2              | 10,333.4              | 11.5             | 9.7           | -162.69               | -172.6                              | 281.8           | 838.8                  | 818.3                   | 20.49                     | 40.940             |          |
| 10,500.0                                                   | 10,478.1              | 10,442.4              | 10,432.4              | 11.6             | 9.7           | -162.59               | -176.2                              | 287.0           | 851.2                  | 830.5                   | 20.71                     | 41.090             |          |
| 10,606.0                                                   | 10,583.8              | 10,547.6              | 10,537.4              | 11.7             | 9.8           | -162.50               | -180.1                              | 292.6           | 864.3                  | 843.4                   | 20.96                     | 41.244             |          |
| 10,625.0                                                   | 10,602.8              | 10,567.1              | 10,556.9              | 11.8             | 9.9           | 166.24                | -180.3                              | 293.6           | 866.7                  | 845.7                   | 21.02                     | 41.224             |          |
| 10,650.0                                                   | 10,627.7              | 10,592.8              | 10,582.5              | 11.8             | 9.9           | 135.84                | -179.4                              | 295.0           | 869.8                  | 848.8                   | 21.03                     | 41.365             |          |
| 10,675.0                                                   | 10,652.5              | 10,618.5              | 10,608.1              | 11.8             | 9.9           | 120.44                | -177.1                              | 296.3           | 872.9                  | 851.9                   | 21.03                     | 41.509             |          |
| 10,700.0                                                   | 10,677.1              | 10,644.2              | 10,633.5              | 11.8             | 9.9           | 112.16                | -173.5                              | 297.6           | 876.0                  | 854.9                   | 21.03                     | 41.647             |          |
| 10,725.0                                                   | 10,701.6              | 10,669.9              | 10,658.7              | 11.8             | 9.9           | 107.10                | -168.4                              | 298.8           | 879.0                  | 858.0                   | 21.04                     | 41.781             |          |
| 10,750.0                                                   | 10,725.7              | 10,695.6              | 10,683.6              | 11.8             | 9.9           | 103.67                | -162.0                              | 300.1           | 882.0                  | 860.9                   | 21.05                     | 41.909             |          |
| 10,775.0                                                   | 10,749.5              | 10,721.4              | 10,708.1              | 11.8             | 9.9           | 101.18                | -154.3                              | 301.3           | 884.9                  | 863.9                   | 21.06                     | 42.030             |          |
| 10,800.0                                                   | 10,772.8              | 10,747.1              | 10,732.2              | 11.8             | 9.9           | 99.25                 | -145.3                              | 302.4           | 887.9                  | 866.8                   | 21.07                     | 42.144             |          |
| 10,825.0                                                   | 10,795.7              | 10,772.9              | 10,755.8              | 11.8             | 9.9           | 97.71                 | -135.0                              | 303.5           | 890.7                  | 869.6                   | 21.08                     | 42.249             |          |
| 10,850.0                                                   | 10,818.0              | 10,798.7              | 10,778.8              | 11.8             | 10.0          | 96.43                 | -123.4                              | 304.6           | 893.5                  | 872.4                   | 21.10                     | 42.346             |          |
| 10,875.0                                                   | 10,839.6              | 10,824.5              | 10,801.1              | 11.8             | 10.0          | 95.35                 | -110.6                              | 305.6           | 896.2                  | 875.0                   | 21.12                     | 42.432             |          |
| 10,900.0                                                   | 10,860.6              | 10,850.3              | 10,822.7              | 11.8             | 10.0          | 94.41                 | -96.6                               | 306.6           | 898.8                  | 877.6                   | 21.14                     | 42.506             |          |
| 10,925.0                                                   | 10,880.9              | 10,876.1              | 10,843.6              | 11.9             | 10.0          | 93.59                 | -81.4                               | 307.5           | 901.3                  | 880.1                   | 21.17                     | 42.569             |          |
| 10,950.0                                                   | 10,900.4              | 10,901.9              | 10,863.6              | 11.9             | 10.0          | 92.86                 | -65.1                               | 308.4           | 903.7                  | 882.5                   | 21.20                     | 42.618             |          |
| 10,975.0                                                   | 10,919.1              | 10,927.7              | 10,882.7              | 11.9             | 10.1          | 92.21                 | -47.8                               | 309.1           | 906.0                  | 884.8                   | 21.24                     | 42.654             |          |
| 11,000.0                                                   | 10,936.8              | 10,953.5              | 10,900.9              | 11.9             | 10.1          | 91.62                 | -29.4                               | 309.9           | 908.2                  | 887.0                   | 21.28                     | 42.674             |          |
| 11,025.0                                                   | 10,953.6              | 10,979.3              | 10,918.0              | 11.9             | 10.1          | 91.08                 | -10.1                               | 310.5           | 910.3                  | 889.0                   | 21.33                     | 42.679             |          |
| 11,050.0                                                   | 10,969.5              | 11,005.1              | 10,934.0              | 12.0             | 10.2          | 90.60                 | 10.0                                | 311.1           | 912.3                  | 890.9                   | 21.38                     | 42.666             |          |
| 11,075.0                                                   | 10,984.3              | 11,030.9              | 10,949.0              | 12.0             | 10.2          | 90.16                 | 31.1                                | 311.7           | 914.1                  | 892.7                   | 21.44                     | 42.636             |          |
| 11,100.0                                                   | 10,998.0              | 11,056.7              | 10,962.7              | 12.0             | 10.2          | 89.76                 | 52.8                                | 312.1           | 915.8                  | 894.3                   | 21.50                     | 42.588             |          |
| 11,125.0                                                   | 11,010.6              | 11,082.5              | 10,975.3              | 12.0             | 10.3          | 89.40                 | 75.3                                | 312.5           | 917.4                  | 895.8                   | 21.58                     | 42.520             |          |
| 11,150.0                                                   | 11,022.1              | 11,108.2              | 10,986.7              | 12.1             | 10.3          | 89.07                 | 98.4                                | 312.8           | 918.8                  | 897.2                   | 21.65                     | 42.433             |          |
| 11,175.0                                                   | 11,032.4              | 11,133.9              | 10,996.7              | 12.1             | 10.3          | 88.78                 | 122.1                               | 313.1           | 920.1                  | 898.4                   | 21.74                     | 42.326             |          |
| 11,200.0                                                   | 11,041.5              | 11,159.7              | 11,005.5              | 12.2             | 10.4          | 88.51                 | 146.3                               | 313.2           | 921.2                  | 899.4                   | 21.83                     | 42.198             |          |
| 11,225.0                                                   | 11,049.4              | 11,185.3              | 11,013.0              | 12.2             | 10.4          | 88.28                 | 170.9                               | 313.3           | 922.2                  | 900.3                   | 21.93                     | 42.050             |          |
| 11,250.0                                                   | 11,056.0              | 11,211.0              | 11,019.1              | 12.2             | 10.5          | 88.08                 | 195.8                               | 313.3           | 923.0                  | 901.0                   | 22.04                     | 41.882             |          |
| 11,275.0                                                   | 11,061.4              | 11,236.6              | 11,023.9              | 12.3             | 10.5          | 87.91                 | 220.9                               | 313.3           | 923.7                  | 901.5                   | 22.15                     | 41.695             |          |
| 11,300.0                                                   | 11,065.5              | 11,262.2              | 11,027.3              | 12.3             | 10.6          | 87.77                 | 246.3                               | 313.1           | 924.2                  | 901.9                   | 22.28                     | 41.488             |          |
| 11,325.0                                                   | 11,068.3              | 11,287.8              | 11,029.3              | 12.4             | 10.6          | 87.65                 | 271.8                               | 312.9           | 924.5                  | 902.1                   | 22.41                     | 41.262             |          |
| 11,350.0                                                   | 11,069.8              | 11,313.3              | 11,030.0              | 12.4             | 10.7          | 87.57                 | 297.2                               | 312.7           | 924.7                  | 902.2                   | 22.54                     | 41.021             |          |
| 11,366.7                                                   | 11,070.0              | 11,330.0              | 11,030.0              | 12.5             | 10.7          | 87.54                 | 314.0                               | 312.5           | 924.8                  | 902.1                   | 22.64                     | 40.844             |          |
| 11,400.0                                                   | 11,070.0              | 11,363.3              | 11,030.0              | 12.6             | 10.8          | 87.54                 | 347.3                               | 312.0           | 924.8                  | 901.9                   | 22.84                     | 40.487             |          |
| 11,500.0                                                   | 11,069.8              | 11,463.3              | 11,029.8              | 12.9             | 11.1          | 87.54                 | 447.3                               | 310.8           | 924.8                  | 901.2                   | 23.52                     | 39.318             |          |
| 11,600.0                                                   | 11,069.7              | 11,563.3              | 11,029.7              | 13.2             | 11.4          | 87.54                 | 547.2                               | 309.6           | 924.8                  | 900.5                   | 24.30                     | 38.053             |          |
| 11,700.0                                                   | 11,069.5              | 11,663.3              | 11,029.5              | 13.6             | 11.8          | 87.54                 | 647.2                               | 308.3           | 924.8                  | 899.6                   | 25.18                     | 36.730             |          |
| 11,800.0                                                   | 11,069.4              | 11,763.3              | 11,029.4              | 14.0             | 12.3          | 87.54                 | 747.2                               | 307.1           | 924.8                  | 898.6                   | 26.14                     | 35.381             |          |
| 11,900.0                                                   | 11,069.2              | 11,863.3              | 11,029.2              | 14.5             | 12.8          | 87.54                 | 847.2                               | 305.8           | 924.8                  | 897.6                   | 27.17                     | 34.033             |          |
| 12,000.0                                                   | 11,069.1              | 11,963.3              | 11,029.1              | 15.0             | 13.4          | 87.54                 | 947.2                               | 304.6           | 924.8                  | 896.5                   | 28.27                     | 32.707             |          |
| 12,100.0                                                   | 11,068.9              | 12,063.3              | 11,028.9              | 15.6             | 14.0          | 87.54                 | 1,047.2                             | 303.4           | 924.8                  | 895.3                   | 29.44                     | 31.416             |          |
| 12,200.0                                                   | 11,068.8              | 12,163.3              | 11,028.7              | 16.1             | 14.6          | 87.54                 | 1,147.2                             | 302.1           | 924.8                  | 894.1                   | 30.65                     | 30.172             |          |
| 12,300.0                                                   | 11,068.6              | 12,263.3              | 11,028.6              | 16.7             | 15.3          | 87.54                 | 1,247.2                             | 300.9           | 924.8                  | 892.9                   | 31.91                     | 28.980             |          |
| 12,400.0                                                   | 11,068.5              | 12,363.3              | 11,028.4              | 17.3             | 15.9          | 87.54                 | 1,347.2                             | 299.7           | 924.8                  | 891.6                   | 33.21                     | 27.844             |          |
| 12,500.0                                                   | 11,068.3              | 12,463.3              | 11,028.3              | 18.0             | 16.6          | 87.54                 | 1,447.2                             | 298.4           | 924.8                  | 890.2                   | 34.55                     | 26.765             |          |
| 12,600.0                                                   | 11,068.2              | 12,563.3              | 11,028.1              | 18.6             | 17.3          | 87.54                 | 1,547.2                             | 297.2           | 924.8                  | 888.8                   | 35.92                     | 25.744             |          |
| 12,700.0                                                   | 11,068.0              | 12,663.3              | 11,028.0              | 19.3             | 18.0          | 87.54                 | 1,647.2                             | 295.9           | 924.8                  | 887.5                   | 37.32                     | 24.778             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10573-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                                                  |                       |                       |                       | 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  |
| 12,800.0                                                   | 11,067.9              | 12,763.3              | 11,027.8              | 20.0             | 18.8          | 87.54                 | 1,747.1                             | 294.7        | 924.8                  | 886.0                   | 38.75                     | 23.866             |          |
| 12,900.0                                                   | 11,067.7              | 12,863.3              | 11,027.7              | 20.7             | 19.5          | 87.54                 | 1,847.1                             | 293.5        | 924.8                  | 884.6                   | 40.20                     | 23.006             |          |
| 13,000.0                                                   | 11,067.5              | 12,963.3              | 11,027.5              | 21.4             | 20.3          | 87.54                 | 1,947.1                             | 292.2        | 924.8                  | 883.1                   | 41.67                     | 22.194             |          |
| 13,100.0                                                   | 11,067.4              | 13,063.3              | 11,027.4              | 22.1             | 21.0          | 87.54                 | 2,047.1                             | 291.0        | 924.8                  | 881.6                   | 43.16                     | 21.429             |          |
| 13,200.0                                                   | 11,067.2              | 13,163.3              | 11,027.2              | 22.8             | 21.8          | 87.54                 | 2,147.1                             | 289.7        | 924.8                  | 880.1                   | 44.66                     | 20.707             |          |
| 13,300.0                                                   | 11,067.1              | 13,263.3              | 11,027.1              | 23.6             | 22.6          | 87.54                 | 2,247.1                             | 288.5        | 924.8                  | 878.6                   | 46.18                     | 20.025             |          |
| 13,400.0                                                   | 11,066.9              | 13,363.3              | 11,026.9              | 24.3             | 23.4          | 87.54                 | 2,347.1                             | 287.3        | 924.8                  | 877.1                   | 47.72                     | 19.381             |          |
| 13,500.0                                                   | 11,066.8              | 13,463.3              | 11,026.8              | 25.1             | 24.2          | 87.54                 | 2,447.1                             | 286.0        | 924.8                  | 875.5                   | 49.26                     | 18.773             |          |
| 13,600.0                                                   | 11,066.6              | 13,563.3              | 11,026.6              | 25.9             | 25.0          | 87.54                 | 2,547.1                             | 284.8        | 924.8                  | 874.0                   | 50.82                     | 18.197             |          |
| 13,700.0                                                   | 11,066.5              | 13,663.3              | 11,026.5              | 26.6             | 25.8          | 87.54                 | 2,647.1                             | 283.5        | 924.8                  | 872.4                   | 52.39                     | 17.652             |          |
| 13,800.0                                                   | 11,066.3              | 13,763.3              | 11,026.3              | 27.4             | 26.6          | 87.54                 | 2,747.1                             | 282.3        | 924.8                  | 870.8                   | 53.97                     | 17.136             |          |
| 13,900.0                                                   | 11,066.2              | 13,863.3              | 11,026.2              | 28.2             | 27.4          | 87.54                 | 2,847.1                             | 281.1        | 924.8                  | 869.2                   | 55.55                     | 16.647             |          |
| 14,000.0                                                   | 11,066.0              | 13,963.3              | 11,026.0              | 29.0             | 28.2          | 87.54                 | 2,947.1                             | 279.8        | 924.8                  | 867.6                   | 57.15                     | 16.183             |          |
| 14,100.0                                                   | 11,065.9              | 14,063.3              | 11,025.9              | 29.8             | 29.0          | 87.54                 | 3,047.0                             | 278.6        | 924.8                  | 866.0                   | 58.75                     | 15.742             |          |
| 14,200.0                                                   | 11,065.7              | 14,163.3              | 11,025.7              | 30.5             | 29.8          | 87.54                 | 3,147.0                             | 277.4        | 924.8                  | 864.4                   | 60.36                     | 15.322             |          |
| 14,300.0                                                   | 11,065.6              | 14,263.3              | 11,025.6              | 31.3             | 30.6          | 87.54                 | 3,247.0                             | 276.1        | 924.8                  | 862.8                   | 61.97                     | 14.923             |          |
| 14,400.0                                                   | 11,065.4              | 14,363.3              | 11,025.4              | 32.1             | 31.4          | 87.55                 | 3,347.0                             | 274.9        | 924.8                  | 861.2                   | 63.59                     | 14.543             |          |
| 14,500.0                                                   | 11,065.3              | 14,463.3              | 11,025.3              | 32.9             | 32.3          | 87.55                 | 3,447.0                             | 273.6        | 924.8                  | 859.6                   | 65.22                     | 14.181             |          |
| 14,600.0                                                   | 11,065.1              | 14,563.3              | 11,025.1              | 33.7             | 33.1          | 87.55                 | 3,547.0                             | 272.4        | 924.8                  | 858.0                   | 66.85                     | 13.835             |          |
| 14,700.0                                                   | 11,065.0              | 14,663.3              | 11,025.0              | 34.6             | 33.9          | 87.55                 | 3,647.0                             | 271.2        | 924.8                  | 856.3                   | 68.48                     | 13.504             |          |
| 14,800.0                                                   | 11,064.8              | 14,763.3              | 11,024.8              | 35.4             | 34.7          | 87.55                 | 3,747.0                             | 269.9        | 924.8                  | 854.7                   | 70.12                     | 13.189             |          |
| 14,900.0                                                   | 11,064.7              | 14,863.3              | 11,024.6              | 36.2             | 35.6          | 87.55                 | 3,847.0                             | 268.7        | 924.8                  | 853.0                   | 71.76                     | 12.887             |          |
| 15,000.0                                                   | 11,064.5              | 14,963.3              | 11,024.5              | 37.0             | 36.4          | 87.55                 | 3,947.0                             | 267.4        | 924.8                  | 851.4                   | 73.41                     | 12.598             |          |
| 15,100.0                                                   | 11,064.4              | 15,063.3              | 11,024.3              | 37.8             | 37.2          | 87.55                 | 4,047.0                             | 266.2        | 924.8                  | 849.7                   | 75.06                     | 12.321             |          |
| 15,200.0                                                   | 11,064.2              | 15,163.3              | 11,024.2              | 38.6             | 38.1          | 87.55                 | 4,147.0                             | 265.0        | 924.8                  | 848.1                   | 76.71                     | 12.055             |          |
| 15,300.0                                                   | 11,064.1              | 15,263.3              | 11,024.0              | 39.5             | 38.9          | 87.55                 | 4,247.0                             | 263.7        | 924.8                  | 846.4                   | 78.37                     | 11.801             |          |
| 15,400.0                                                   | 11,063.9              | 15,363.3              | 11,023.9              | 40.3             | 39.7          | 87.55                 | 4,346.9                             | 262.5        | 924.8                  | 844.8                   | 80.03                     | 11.556             |          |
| 15,500.0                                                   | 11,063.7              | 15,463.3              | 11,023.7              | 41.1             | 40.6          | 87.55                 | 4,446.9                             | 261.2        | 924.8                  | 843.1                   | 81.69                     | 11.321             |          |
| 15,600.0                                                   | 11,063.6              | 15,563.3              | 11,023.6              | 41.9             | 41.4          | 87.55                 | 4,546.9                             | 260.0        | 924.8                  | 841.5                   | 83.35                     | 11.095             |          |
| 15,700.0                                                   | 11,063.4              | 15,663.3              | 11,023.4              | 42.8             | 42.3          | 87.55                 | 4,646.9                             | 258.8        | 924.8                  | 839.8                   | 85.02                     | 10.877             |          |
| 15,800.0                                                   | 11,063.3              | 15,763.3              | 11,023.3              | 43.6             | 43.1          | 87.55                 | 4,746.9                             | 257.5        | 924.8                  | 838.1                   | 86.69                     | 10.668             |          |
| 15,900.0                                                   | 11,063.1              | 15,863.3              | 11,023.1              | 44.4             | 43.9          | 87.55                 | 4,846.9                             | 256.3        | 924.8                  | 836.5                   | 88.36                     | 10.466             |          |
| 16,000.0                                                   | 11,063.0              | 15,963.3              | 11,023.0              | 45.2             | 44.8          | 87.55                 | 4,946.9                             | 255.1        | 924.8                  | 834.8                   | 90.03                     | 10.272             |          |
| 16,003.5                                                   | 11,063.0              | 15,966.8              | 11,023.0              | 45.3             | 44.8          | 87.55                 | 4,950.4                             | 255.0        | 924.8                  | 834.7                   | 90.09                     | 10.265             |          |
| 16,059.2                                                   | 11,062.9              | 16,020.7              | 11,022.9              | 45.7             | 45.3          | 87.55                 | 5,004.3                             | 254.3        | 924.8                  | 833.8                   | 91.01                     | 10.162             |          |
| 16,080.2                                                   | 11,062.9              | 16,036.7              | 11,022.9              | 45.9             | 45.4          | 87.55                 | 5,020.3                             | 254.2        | 924.8                  | 833.5                   | 91.32                     | 10.128             |          |
| 16,100.0                                                   | 11,062.8              | 16,056.5              | 11,022.8              | 46.1             | 45.6          | 87.55                 | 5,040.2                             | 254.1        | 924.8                  | 833.2                   | 91.65                     | 10.091             |          |
| 16,200.0                                                   | 11,062.7              | 16,156.5              | 11,022.7              | 46.9             | 46.4          | 87.55                 | 5,140.2                             | 253.6        | 924.8                  | 831.5                   | 93.32                     | 9.910              |          |
| 16,300.0                                                   | 11,062.5              | 16,256.5              | 11,022.5              | 47.7             | 47.3          | 87.55                 | 5,240.2                             | 253.1        | 924.8                  | 829.9                   | 95.00                     | 9.735              |          |
| 16,400.0                                                   | 11,062.4              | 16,356.5              | 11,022.4              | 48.6             | 48.1          | 87.55                 | 5,340.2                             | 252.6        | 924.8                  | 828.2                   | 96.68                     | 9.566              |          |
| 16,500.0                                                   | 11,062.2              | 16,456.5              | 11,022.2              | 49.4             | 48.9          | 87.55                 | 5,440.2                             | 252.1        | 924.8                  | 826.5                   | 98.36                     | 9.403              |          |
| 16,600.0                                                   | 11,062.1              | 16,556.5              | 11,022.1              | 50.2             | 49.8          | 87.55                 | 5,540.1                             | 251.6        | 924.8                  | 824.8                   | 100.04                    | 9.245              |          |
| 16,700.0                                                   | 11,061.9              | 16,656.5              | 11,021.9              | 51.1             | 50.6          | 87.55                 | 5,640.1                             | 251.1        | 924.8                  | 823.1                   | 101.72                    | 9.092              |          |
| 16,800.0                                                   | 11,061.8              | 16,756.5              | 11,021.8              | 51.9             | 51.5          | 87.55                 | 5,740.1                             | 250.6        | 924.9                  | 821.4                   | 103.40                    | 8.944              |          |
| 16,900.0                                                   | 11,061.6              | 16,856.5              | 11,021.6              | 52.8             | 52.3          | 87.55                 | 5,840.1                             | 250.0        | 924.9                  | 819.8                   | 105.09                    | 8.801              |          |
| 17,000.0                                                   | 11,061.4              | 16,956.5              | 11,021.4              | 53.6             | 53.2          | 87.55                 | 5,940.1                             | 249.5        | 924.9                  | 818.1                   | 106.78                    | 8.662              |          |
| 17,100.0                                                   | 11,061.3              | 17,056.5              | 11,021.3              | 54.4             | 54.0          | 87.55                 | 6,040.1                             | 249.0        | 924.9                  | 816.4                   | 108.46                    | 8.527              |          |
| 17,200.0                                                   | 11,061.1              | 17,156.5              | 11,021.1              | 55.3             | 54.9          | 87.55                 | 6,140.1                             | 248.5        | 924.9                  | 814.7                   | 110.15                    | 8.396              |          |
| 17,300.0                                                   | 11,061.0              | 17,256.5              | 11,021.0              | 56.1             | 55.7          | 87.55                 | 6,240.1                             | 248.0        | 924.9                  | 813.0                   | 111.84                    | 8.269              |          |
| 17,400.0                                                   | 11,060.8              | 17,356.5              | 11,020.8              | 57.0             | 56.6          | 87.55                 | 6,340.1                             | 247.5        | 924.9                  | 811.3                   | 113.53                    | 8.146              |          |
| 17,500.0                                                   | 11,060.7              | 17,456.5              | 11,020.7              | 57.8             | 57.4          | 87.55                 | 6,440.1                             | 247.0        | 924.9                  | 809.6                   | 115.22                    | 8.027              |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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 ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM #802H - OWB - PWP1 |                       |                       |                       |                  |               |                                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|---------------------------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Standard Keeper 104, 10573-MWD+IFR1+FDIR                                  |                       |                       |                       |                  |               |                                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Measured Depth (usft)                                                                       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Semi Major Axis Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 17,600.0                                                                                    | 11,060.5              | 17,556.5              | 11,020.5              | 58.7             | 58.3          | 87.55                                 | 6,540.1                             | 246.5        | 924.9                  | 807.9                   | 116.92                    | 7.910              |          |
| 17,700.0                                                                                    | 11,060.4              | 17,656.5              | 11,020.4              | 59.5             | 59.1          | 87.55                                 | 6,640.1                             | 246.0        | 924.9                  | 806.2                   | 118.61                    | 7.797              |          |
| 17,800.0                                                                                    | 11,060.2              | 17,756.5              | 11,020.2              | 60.3             | 60.0          | 87.55                                 | 6,740.1                             | 245.5        | 924.9                  | 804.5                   | 120.30                    | 7.688              |          |
| 17,900.0                                                                                    | 11,060.1              | 17,856.5              | 11,020.1              | 61.2             | 60.8          | 87.55                                 | 6,840.1                             | 244.9        | 924.9                  | 802.9                   | 122.00                    | 7.581              |          |
| 18,000.0                                                                                    | 11,059.9              | 17,956.5              | 11,019.9              | 62.0             | 61.7          | 87.55                                 | 6,940.1                             | 244.4        | 924.9                  | 801.2                   | 123.69                    | 7.477              |          |
| 18,100.0                                                                                    | 11,059.7              | 18,056.5              | 11,019.7              | 62.9             | 62.5          | 87.55                                 | 7,040.1                             | 243.9        | 924.9                  | 799.5                   | 125.39                    | 7.376              |          |
| 18,200.0                                                                                    | 11,059.6              | 18,156.5              | 11,019.6              | 63.7             | 63.4          | 87.55                                 | 7,140.1                             | 243.4        | 924.9                  | 797.8                   | 127.09                    | 7.277              |          |
| 18,300.0                                                                                    | 11,059.4              | 18,256.5              | 11,019.4              | 64.6             | 64.2          | 87.55                                 | 7,240.1                             | 242.9        | 924.9                  | 796.1                   | 128.79                    | 7.181              |          |
| 18,400.0                                                                                    | 11,059.3              | 18,356.5              | 11,019.3              | 65.4             | 65.1          | 87.55                                 | 7,340.1                             | 242.4        | 924.9                  | 794.4                   | 130.48                    | 7.088              |          |
| 18,500.0                                                                                    | 11,059.1              | 18,456.5              | 11,019.1              | 66.3             | 65.9          | 87.55                                 | 7,440.1                             | 241.9        | 924.9                  | 792.7                   | 132.18                    | 6.997              |          |
| 18,600.0                                                                                    | 11,059.0              | 18,556.5              | 11,019.0              | 67.1             | 66.8          | 87.55                                 | 7,540.1                             | 241.4        | 924.9                  | 791.0                   | 133.88                    | 6.908              |          |
| 18,700.0                                                                                    | 11,058.8              | 18,656.5              | 11,018.8              | 68.0             | 67.6          | 87.55                                 | 7,640.1                             | 240.9        | 924.9                  | 789.3                   | 135.58                    | 6.821              |          |
| 18,800.0                                                                                    | 11,058.7              | 18,756.5              | 11,018.7              | 68.8             | 68.5          | 87.55                                 | 7,740.1                             | 240.4        | 924.9                  | 787.6                   | 137.28                    | 6.737              |          |
| 18,900.0                                                                                    | 11,058.5              | 18,856.5              | 11,018.5              | 69.7             | 69.3          | 87.55                                 | 7,840.1                             | 239.9        | 924.9                  | 785.9                   | 138.98                    | 6.654              |          |
| 19,000.0                                                                                    | 11,058.4              | 18,956.5              | 11,018.4              | 70.5             | 70.2          | 87.55                                 | 7,940.1                             | 239.3        | 924.9                  | 784.2                   | 140.69                    | 6.574              |          |
| 19,100.0                                                                                    | 11,058.2              | 19,056.5              | 11,018.2              | 71.4             | 71.0          | 87.55                                 | 8,040.1                             | 238.8        | 924.9                  | 782.5                   | 142.39                    | 6.495              |          |
| 19,200.0                                                                                    | 11,058.0              | 19,156.5              | 11,018.0              | 72.2             | 71.9          | 87.55                                 | 8,140.1                             | 238.3        | 924.9                  | 780.8                   | 144.09                    | 6.419              |          |
| 19,300.0                                                                                    | 11,057.9              | 19,256.5              | 11,017.9              | 73.0             | 72.7          | 87.55                                 | 8,240.1                             | 237.8        | 924.9                  | 779.1                   | 145.79                    | 6.344              |          |
| 19,400.0                                                                                    | 11,057.7              | 19,356.5              | 11,017.7              | 73.9             | 73.6          | 87.55                                 | 8,340.1                             | 237.3        | 924.9                  | 777.4                   | 147.50                    | 6.270              |          |
| 19,500.0                                                                                    | 11,057.6              | 19,456.5              | 11,017.6              | 74.7             | 74.5          | 87.55                                 | 8,440.1                             | 236.8        | 924.9                  | 775.7                   | 149.20                    | 6.199              |          |
| 19,600.0                                                                                    | 11,057.4              | 19,556.5              | 11,017.4              | 75.6             | 75.3          | 87.55                                 | 8,540.1                             | 236.3        | 924.9                  | 774.0                   | 150.90                    | 6.129              |          |
| 19,700.0                                                                                    | 11,057.3              | 19,656.5              | 11,017.3              | 76.5             | 76.2          | 87.55                                 | 8,640.1                             | 235.8        | 924.9                  | 772.2                   | 152.61                    | 6.060              |          |
| 19,800.0                                                                                    | 11,057.1              | 19,756.5              | 11,017.1              | 77.3             | 77.0          | 87.55                                 | 8,740.1                             | 235.3        | 924.9                  | 770.5                   | 154.31                    | 5.993              |          |
| 19,900.0                                                                                    | 11,057.0              | 19,856.5              | 11,017.0              | 78.2             | 77.9          | 87.55                                 | 8,840.1                             | 234.8        | 924.9                  | 768.8                   | 156.02                    | 5.928              |          |
| 20,000.0                                                                                    | 11,056.8              | 19,956.5              | 11,016.8              | 79.0             | 78.7          | 87.55                                 | 8,940.1                             | 234.2        | 924.9                  | 767.1                   | 157.73                    | 5.864              |          |
| 20,100.0                                                                                    | 11,056.6              | 20,056.5              | 11,016.6              | 79.9             | 79.6          | 87.55                                 | 9,040.1                             | 233.7        | 924.9                  | 765.4                   | 159.43                    | 5.801              |          |
| 20,200.0                                                                                    | 11,056.5              | 20,156.5              | 11,016.5              | 80.7             | 80.4          | 87.55                                 | 9,140.1                             | 233.2        | 924.9                  | 763.7                   | 161.14                    | 5.740              |          |
| 20,300.0                                                                                    | 11,056.3              | 20,256.5              | 11,016.3              | 81.6             | 81.3          | 87.55                                 | 9,240.1                             | 232.7        | 924.9                  | 762.0                   | 162.85                    | 5.679              |          |
| 20,400.0                                                                                    | 11,056.2              | 20,356.5              | 11,016.2              | 82.4             | 82.1          | 87.55                                 | 9,340.1                             | 232.2        | 924.9                  | 760.3                   | 164.55                    | 5.620              |          |
| 20,500.0                                                                                    | 11,056.0              | 20,456.5              | 11,016.0              | 83.3             | 83.0          | 87.55                                 | 9,440.1                             | 231.7        | 924.9                  | 758.6                   | 166.26                    | 5.563              |          |
| 20,600.0                                                                                    | 11,055.9              | 20,556.5              | 11,015.9              | 84.1             | 83.9          | 87.55                                 | 9,540.1                             | 231.2        | 924.9                  | 756.9                   | 167.97                    | 5.506              |          |
| 20,700.0                                                                                    | 11,055.7              | 20,656.5              | 11,015.7              | 85.0             | 84.7          | 87.55                                 | 9,640.1                             | 230.7        | 924.9                  | 755.2                   | 169.68                    | 5.451              |          |
| 20,800.0                                                                                    | 11,055.6              | 20,756.5              | 11,015.6              | 85.8             | 85.6          | 87.55                                 | 9,740.1                             | 230.2        | 924.9                  | 753.5                   | 171.38                    | 5.396              |          |
| 20,900.0                                                                                    | 11,055.4              | 20,856.5              | 11,015.4              | 86.7             | 86.4          | 87.55                                 | 9,840.1                             | 229.7        | 924.9                  | 751.8                   | 173.09                    | 5.343              |          |
| 21,000.0                                                                                    | 11,055.3              | 20,956.5              | 11,015.3              | 87.5             | 87.3          | 87.55                                 | 9,940.1                             | 229.1        | 924.9                  | 750.1                   | 174.80                    | 5.291              |          |
| 21,100.0                                                                                    | 11,055.1              | 21,056.5              | 11,015.1              | 88.4             | 88.1          | 87.55                                 | 10,040.1                            | 228.6        | 924.9                  | 748.3                   | 176.51                    | 5.240              |          |
| 21,166.2                                                                                    | 11,055.0              | 21,122.7              | 11,015.0              | 88.9             | 88.7          | 87.55                                 | 10,106.2                            | 228.3        | 924.9                  | 747.2                   | 177.64                    | 5.206              |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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         |                       | ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM 504H - OWB - AWP |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: |         | 0.0 usft |
|-----------------------|-----------------------|-----------------------------------------------------------------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|---------|----------|
| Survey Program:       |                       | 139-MWD+IFR1+FDIR, 2087-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 |                    |         |          |
| 0.0                   | 0.0                   | 0.0                                                                         | 0.0                   | 3.0              | 3.0           | 90.94                 | -8.7                                | 530.2        | 530.3                  |                         |                           |                   |                    |         |          |
| 100.0                 | 100.0                 | 95.6                                                                        | 95.6                  | 3.0              | 3.0           | 90.97                 | -9.0                                | 530.3        | 530.3                  | 524.3                   | 6.00                      | 88.343            |                    |         |          |
| 200.0                 | 200.0                 | 193.8                                                                       | 193.8                 | 3.0              | 3.0           | 91.06                 | -9.8                                | 530.5        | 530.6                  | 524.6                   | 6.03                      | 88.037            |                    |         |          |
| 300.0                 | 300.0                 | 291.3                                                                       | 291.3                 | 3.0              | 3.1           | 91.11                 | -10.3                               | 531.2        | 531.4                  | 525.3                   | 6.09                      | 87.187            |                    |         |          |
| 400.0                 | 400.0                 | 384.0                                                                       | 384.0                 | 3.0              | 3.2           | 91.11                 | -10.3                               | 532.7        | 532.9                  | 526.7                   | 6.19                      | 86.047            |                    |         |          |
| 500.0                 | 500.0                 | 475.0                                                                       | 475.0                 | 3.1              | 3.3           | 91.05                 | -9.8                                | 535.5        | 536.1                  | 529.7                   | 6.32                      | 84.833            |                    |         |          |
| 600.0                 | 600.0                 | 569.9                                                                       | 569.7                 | 3.1              | 3.5           | 90.92                 | -8.6                                | 539.9        | 540.6                  | 534.1                   | 6.48                      | 83.430            |                    |         |          |
| 700.0                 | 700.0                 | 667.5                                                                       | 667.1                 | 3.1              | 3.7           | 90.66                 | -6.3                                | 545.0        | 545.9                  | 539.2                   | 6.67                      | 81.791            |                    |         |          |
| 800.0                 | 800.0                 | 772.3                                                                       | 771.8                 | 3.2              | 3.9           | 90.32                 | -3.1                                | 550.2        | 550.8                  | 543.9                   | 6.91                      | 79.686            |                    |         |          |
| 900.0                 | 900.0                 | 887.5                                                                       | 886.9                 | 3.2              | 4.1           | 89.99                 | 0.1                                 | 554.4        | 554.5                  | 547.3                   | 7.20                      | 77.030            |                    |         |          |
| 1,000.0               | 1,000.0               | 1,025.5                                                                     | 1,024.8               | 3.2              | 4.5           | 90.11                 | -1.0                                | 550.4        | 551.2                  | 543.6                   | 7.54                      | 73.138            |                    |         |          |
| 1,100.0               | 1,100.0               | 1,125.7                                                                     | 1,124.8               | 3.3              | 4.7           | 90.23                 | -2.1                                | 545.1        | 545.8                  | 538.0                   | 7.81                      | 69.929            |                    |         |          |
| 1,200.0               | 1,200.0               | 1,208.2                                                                     | 1,207.2               | 3.4              | 5.0           | 90.22                 | -2.0                                | 541.8        | 541.9                  | 533.9                   | 8.05                      | 67.296            |                    |         |          |
| 1,258.7               | 1,258.7               | 1,256.0                                                                     | 1,255.1               | 3.4              | 5.1           | 90.13                 | -1.2                                | 541.4        | 541.4                  | 533.2                   | 8.20                      | 66.039            |                    |         |          |
| 1,300.0               | 1,300.0               | 1,292.8                                                                     | 1,291.8               | 3.4              | 5.2           | 90.03                 | -0.3                                | 541.6        | 541.6                  | 533.3                   | 8.31                      | 65.168            |                    |         |          |
| 1,400.0               | 1,400.0               | 1,389.1                                                                     | 1,388.1               | 3.5              | 5.5           | 89.74                 | 2.5                                 | 543.0        | 543.1                  | 534.5                   | 8.61                      | 63.077            |                    |         |          |
| 1,500.0               | 1,500.0               | 1,491.7                                                                     | 1,490.6               | 3.5              | 5.8           | 89.43                 | 5.4                                 | 544.3        | 544.4                  | 535.4                   | 8.94                      | 60.908            |                    |         |          |
| 1,600.0               | 1,600.0               | 1,592.8                                                                     | 1,591.6               | 3.6              | 6.1           | 89.15                 | 8.1                                 | 545.2        | 545.3                  | 536.0                   | 9.27                      | 58.836            |                    |         |          |
| 1,700.0               | 1,700.0               | 1,693.6                                                                     | 1,692.5               | 3.7              | 6.4           | 88.92                 | 10.3                                | 546.0        | 546.1                  | 536.5                   | 9.61                      | 56.855            |                    |         |          |
| 1,800.0               | 1,800.0               | 1,795.5                                                                     | 1,794.3               | 3.8              | 6.7           | 88.74                 | 12.0                                | 546.5        | 546.7                  | 536.7                   | 9.95                      | 54.933            |                    |         |          |
| 1,900.0               | 1,900.0               | 1,898.7                                                                     | 1,897.5               | 3.9              | 7.1           | 88.60                 | 13.3                                | 546.6        | 546.8                  | 536.5                   | 10.31                     | 53.054            |                    |         |          |
| 2,000.0               | 2,000.0               | 1,998.5                                                                     | 1,997.3               | 3.9              | 7.4           | 88.48                 | 14.5                                | 546.4        | 546.6                  | 535.9                   | 10.64                     | 51.346            |                    |         |          |
| 2,032.6               | 2,032.6               | 2,030.2                                                                     | 2,029.0               | 4.0              | 7.4           | 88.45                 | 14.8                                | 546.3        | 546.5                  | 535.8                   | 10.71                     | 51.049            |                    |         |          |
| 2,100.0               | 2,100.0               | 2,095.9                                                                     | 2,094.7               | 4.0              | 7.5           | 88.38                 | 15.5                                | 546.4        | 546.7                  | 535.8                   | 10.82                     | 50.519            |                    |         |          |
| 2,200.0               | 2,200.0               | 2,194.2                                                                     | 2,193.0               | 4.1              | 7.5           | 88.27                 | 16.5                                | 546.8        | 547.1                  | 536.2                   | 10.87                     | 50.332            |                    |         |          |
| 2,300.0               | 2,300.0               | 2,288.3                                                                     | 2,287.1               | 4.2              | 7.6           | 88.21                 | 17.1                                | 547.8        | 548.2                  | 537.2                   | 10.93                     | 50.139            |                    |         |          |
| 2,400.0               | 2,400.0               | 2,378.5                                                                     | 2,377.2               | 4.3              | 7.6           | 88.20                 | 17.3                                | 550.3        | 550.9                  | 539.9                   | 11.01                     | 50.048            |                    |         |          |
| 2,500.0               | 2,500.0               | 2,490.0                                                                     | 2,488.7               | 4.4              | 7.7           | 88.33                 | 16.2                                | 553.1        | 553.4                  | 542.3                   | 11.12                     | 49.784            |                    |         |          |
| 2,600.0               | 2,600.0               | 2,597.5                                                                     | 2,596.2               | 4.4              | 7.8           | -164.35               | 13.2                                | 553.5        | 555.4                  | 544.1                   | 11.24                     | 49.429            |                    |         |          |
| 2,700.0               | 2,699.8               | 2,696.8                                                                     | 2,695.4               | 4.5              | 7.9           | -164.14               | 10.0                                | 553.9        | 560.7                  | 549.3                   | 11.37                     | 49.326            |                    |         |          |
| 2,713.9               | 2,713.7               | 2,711.3                                                                     | 2,709.9               | 4.5              | 7.9           | -164.12               | 9.5                                 | 553.9        | 561.6                  | 550.3                   | 11.39                     | 49.323            |                    |         |          |
| 2,800.0               | 2,799.6               | 2,794.4                                                                     | 2,792.9               | 4.5              | 8.0           | -163.98               | 6.5                                 | 554.0        | 567.9                  | 556.4                   | 11.52                     | 49.313            |                    |         |          |
| 2,900.0               | 2,899.3               | 2,890.5                                                                     | 2,889.0               | 4.5              | 8.1           | -163.82               | 2.9                                 | 555.1        | 576.1                  | 564.4                   | 11.68                     | 49.319            |                    |         |          |
| 3,000.0               | 2,999.0               | 2,992.3                                                                     | 2,990.7               | 4.5              | 8.2           | -163.69               | -0.5                                | 556.2        | 584.3                  | 572.4                   | 11.88                     | 49.200            |                    |         |          |
| 3,100.0               | 3,098.7               | 3,094.6                                                                     | 3,093.0               | 4.5              | 8.4           | -163.59               | -3.7                                | 556.8        | 592.0                  | 579.9                   | 12.08                     | 48.999            |                    |         |          |
| 3,200.0               | 3,198.4               | 3,205.1                                                                     | 3,203.4               | 4.6              | 8.6           | -163.52               | -6.8                                | 556.4        | 598.8                  | 586.5                   | 12.32                     | 48.625            |                    |         |          |
| 3,300.0               | 3,298.2               | 3,313.3                                                                     | 3,311.5               | 4.6              | 8.7           | -163.47               | -9.6                                | 554.1        | 603.8                  | 591.3                   | 12.56                     | 48.074            |                    |         |          |
| 3,400.0               | 3,397.9               | 3,410.8                                                                     | 3,409.0               | 4.6              | 8.9           | -163.42               | -12.2                               | 551.6        | 608.4                  | 595.6                   | 12.80                     | 47.511            |                    |         |          |
| 3,500.0               | 3,497.6               | 3,510.0                                                                     | 3,508.1               | 4.7              | 9.1           | -163.38               | -14.7                               | 549.3        | 613.2                  | 600.1                   | 13.07                     | 46.931            |                    |         |          |
| 3,600.0               | 3,597.3               | 3,609.3                                                                     | 3,607.4               | 4.7              | 9.3           | -163.39               | -16.8                               | 547.1        | 618.1                  | 604.7                   | 13.34                     | 46.340            |                    |         |          |
| 3,700.0               | 3,697.1               | 3,708.8                                                                     | 3,706.9               | 4.8              | 9.5           | -163.40               | -18.8                               | 544.9        | 623.1                  | 609.4                   | 13.62                     | 45.740            |                    |         |          |
| 3,800.0               | 3,796.8               | 3,808.9                                                                     | 3,806.9               | 4.8              | 9.8           | -163.42               | -20.7                               | 542.7        | 628.0                  | 614.1                   | 13.92                     | 45.122            |                    |         |          |
| 3,900.0               | 3,896.5               | 3,906.7                                                                     | 3,904.7               | 4.9              | 10.0          | -163.48               | -22.2                               | 540.8        | 633.2                  | 618.9                   | 14.22                     | 44.528            |                    |         |          |
| 4,000.0               | 3,996.2               | 4,005.5                                                                     | 4,003.5               | 4.9              | 10.2          | -163.57               | -23.3                               | 539.1        | 638.5                  | 624.0                   | 14.53                     | 43.944            |                    |         |          |
| 4,100.0               | 4,095.9               | 4,104.7                                                                     | 4,102.7               | 5.0              | 10.4          | -163.65               | -24.5                               | 537.4        | 644.0                  | 629.2                   | 14.85                     | 43.363            |                    |         |          |
| 4,200.0               | 4,195.7               | 4,204.5                                                                     | 4,202.4               | 5.1              | 10.7          | -163.74               | -25.6                               | 535.9        | 649.6                  | 634.5                   | 15.18                     | 42.785            |                    |         |          |
| 4,300.0               | 4,295.4               | 4,305.0                                                                     | 4,302.9               | 5.1              | 11.0          | -163.83               | -26.7                               | 534.2        | 655.2                  | 639.6                   | 15.52                     | 42.202            |                    |         |          |
| 4,400.0               | 4,395.1               | 4,405.7                                                                     | 4,403.5               | 5.2              | 11.2          | -163.91               | -27.9                               | 532.5        | 660.6                  | 644.7                   | 15.87                     | 41.616            |                    |         |          |
| 4,500.0               | 4,494.8               | 4,505.8                                                                     | 4,503.6               | 5.3              | 11.5          | -163.98               | -29.1                               | 530.6        | 665.9                  | 649.7                   | 16.23                     | 41.034            |                    |         |          |
| 4,600.0               | 4,594.5               | 4,605.8                                                                     | 4,603.6               | 5.3              | 11.8          | -164.07               | -30.2                               | 528.8        | 671.2                  | 654.6                   | 16.59                     | 40.463            |                    |         |          |
| 4,700.0               | 4,694.3               | 4,706.9                                                                     | 4,704.7               | 5.4              | 12.0          | -164.15               | -31.4                               | 526.8        | 676.4                  | 659.4                   | 16.96                     | 39.890            |                    |         |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 139-MWD+IFR1+FDIR, 2087-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  |
| 4,800.0                                               | 4,794.0               | 4,807.7               | 4,805.5               | 5.5              | 12.3          | -164.22               | -32.7                               | 524.7        | 681.4                  | 664.1                   | 17.33                     | 39.318             |          |
| 4,900.0                                               | 4,893.7               | 4,909.9               | 4,907.6               | 5.6              | 12.6          | -164.27               | -34.2                               | 522.3        | 686.2                  | 668.5                   | 17.72                     | 38.737             |          |
| 5,000.0                                               | 4,993.4               | 5,010.6               | 5,008.2               | 5.7              | 12.9          | -164.31               | -35.8                               | 519.7        | 690.8                  | 672.7                   | 18.10                     | 38.165             |          |
| 5,100.0                                               | 5,093.2               | 5,114.5               | 5,112.1               | 5.7              | 13.2          | -164.34               | -37.6                               | 516.6        | 695.0                  | 676.5                   | 18.50                     | 37.568             |          |
| 5,200.0                                               | 5,192.9               | 5,213.6               | 5,211.1               | 5.8              | 13.5          | -164.36               | -39.5                               | 513.6        | 699.1                  | 680.2                   | 18.89                     | 37.005             |          |
| 5,300.0                                               | 5,292.6               | 5,316.9               | 5,314.4               | 5.9              | 13.8          | -164.35               | -41.7                               | 510.1        | 702.9                  | 683.6                   | 19.30                     | 36.421             |          |
| 5,400.0                                               | 5,392.3               | 5,417.8               | 5,415.1               | 6.0              | 14.1          | -164.33               | -44.0                               | 506.4        | 706.3                  | 686.6                   | 19.70                     | 35.848             |          |
| 5,500.0                                               | 5,492.0               | 5,515.7               | 5,513.0               | 6.1              | 14.4          | -164.30               | -46.5                               | 502.9        | 709.9                  | 689.8                   | 20.11                     | 35.308             |          |
| 5,600.0                                               | 5,591.8               | 5,613.3               | 5,610.5               | 6.2              | 14.7          | -164.27               | -49.0                               | 499.8        | 713.8                  | 693.3                   | 20.51                     | 34.803             |          |
| 5,700.0                                               | 5,691.5               | 5,713.1               | 5,710.2               | 6.3              | 15.0          | -164.21               | -51.7                               | 496.8        | 717.9                  | 697.0                   | 20.92                     | 34.311             |          |
| 5,800.0                                               | 5,791.2               | 5,816.8               | 5,813.8               | 6.4              | 15.3          | -164.16               | -54.6                               | 493.4        | 721.8                  | 700.4                   | 21.35                     | 33.806             |          |
| 5,900.0                                               | 5,890.9               | 5,919.6               | 5,916.5               | 6.5              | 15.7          | -164.09               | -57.6                               | 489.5        | 725.1                  | 703.3                   | 21.78                     | 33.292             |          |
| 6,000.0                                               | 5,990.6               | 6,020.1               | 6,016.9               | 6.6              | 16.0          | -164.02               | -60.6                               | 485.5        | 728.2                  | 706.0                   | 22.20                     | 32.795             |          |
| 6,100.0                                               | 6,090.4               | 6,119.2               | 6,115.8               | 6.6              | 16.3          | -163.96               | -63.6                               | 481.5        | 731.3                  | 708.7                   | 22.63                     | 32.318             |          |
| 6,200.0                                               | 6,190.1               | 6,216.5               | 6,213.0               | 6.7              | 16.6          | -163.87               | -66.7                               | 477.8        | 734.7                  | 711.6                   | 23.05                     | 31.872             |          |
| 6,300.0                                               | 6,289.8               | 6,312.0               | 6,308.5               | 6.8              | 16.9          | -163.79               | -69.8                               | 474.7        | 738.5                  | 715.1                   | 23.47                     | 31.467             |          |
| 6,400.0                                               | 6,389.5               | 6,410.5               | 6,406.9               | 6.9              | 17.2          | -163.71               | -72.9                               | 471.9        | 742.8                  | 718.9                   | 23.90                     | 31.080             |          |
| 6,500.0                                               | 6,489.3               | 6,508.0               | 6,504.3               | 7.0              | 17.6          | -163.63               | -76.1                               | 469.4        | 747.3                  | 723.0                   | 24.33                     | 30.717             |          |
| 6,600.0                                               | 6,589.0               | 6,605.0               | 6,601.2               | 7.2              | 17.9          | -163.55               | -79.2                               | 467.2        | 752.2                  | 727.5                   | 24.76                     | 30.383             |          |
| 6,700.0                                               | 6,688.7               | 6,721.1               | 6,717.2               | 7.3              | 18.2          | -163.47               | -82.8                               | 463.7        | 756.3                  | 731.1                   | 25.24                     | 29.962             |          |
| 6,800.0                                               | 6,788.4               | 6,833.6               | 6,829.4               | 7.4              | 18.6          | -163.39               | -86.2                               | 457.8        | 758.2                  | 732.4                   | 25.72                     | 29.481             |          |
| 6,900.0                                               | 6,888.1               | 6,930.2               | 6,925.8               | 7.5              | 18.9          | -163.38               | -88.5                               | 452.1        | 759.4                  | 733.3                   | 26.15                     | 29.043             |          |
| 7,000.0                                               | 6,987.9               | 7,022.4               | 7,018.0               | 7.6              | 19.2          | -163.39               | -90.3                               | 447.7        | 761.7                  | 735.2                   | 26.57                     | 28.670             |          |
| 7,100.0                                               | 7,087.6               | 7,119.7               | 7,115.1               | 7.7              | 19.6          | -163.34               | -93.1                               | 443.6        | 764.7                  | 737.7                   | 27.01                     | 28.315             |          |
| 7,200.0                                               | 7,187.3               | 7,217.5               | 7,212.8               | 7.8              | 19.9          | -163.21               | -97.0                               | 439.7        | 767.9                  | 740.4                   | 27.45                     | 27.974             |          |
| 7,300.0                                               | 7,287.0               | 7,327.5               | 7,322.6               | 7.9              | 20.3          | -163.07               | -101.2                              | 435.3        | 771.0                  | 743.1                   | 27.93                     | 27.606             |          |
| 7,400.0                                               | 7,386.7               | 7,421.9               | 7,416.8               | 8.0              | 20.6          | -162.96               | -104.8                              | 430.4        | 773.0                  | 744.6                   | 28.36                     | 27.253             |          |
| 7,500.0                                               | 7,486.5               | 7,518.4               | 7,513.2               | 8.1              | 20.9          | -162.96               | -107.0                              | 426.7        | 776.2                  | 747.4                   | 28.80                     | 26.949             |          |
| 7,600.0                                               | 7,586.2               | 7,641.9               | 7,636.5               | 8.2              | 21.3          | -162.92               | -110.2                              | 420.3        | 778.3                  | 749.0                   | 29.32                     | 26.546             |          |
| 7,700.0                                               | 7,685.9               | 7,743.2               | 7,737.4               | 8.3              | 21.7          | -162.74               | -114.8                              | 413.3        | 778.5                  | 748.7                   | 29.78                     | 26.143             |          |
| 7,800.0                                               | 7,785.6               | 7,845.5               | 7,839.4               | 8.4              | 22.0          | -162.53               | -120.0                              | 405.7        | 778.2                  | 747.9                   | 30.24                     | 25.729             |          |
| 7,812.4                                               | 7,798.0               | 7,856.0               | 7,849.8               | 8.5              | 22.0          | -162.51               | -120.5                              | 404.9        | 778.2                  | 747.9                   | 30.30                     | 25.684             |          |
| 7,900.0                                               | 7,885.4               | 7,933.6               | 7,927.2               | 8.5              | 22.3          | -162.38               | -123.9                              | 400.0        | 778.9                  | 748.2                   | 30.67                     | 25.396             |          |
| 8,000.0                                               | 7,985.1               | 8,049.8               | 8,043.0               | 8.7              | 22.7          | -162.73               | -121.7                              | 392.1        | 779.1                  | 748.0                   | 31.15                     | 25.010             |          |
| 8,100.0                                               | 8,084.8               | 8,160.4               | 8,152.1               | 8.8              | 23.0          | -164.01               | -106.7                              | 382.7        | 777.8                  | 746.2                   | 31.59                     | 24.621             |          |
| 8,200.0                                               | 8,184.5               | 8,249.1               | 8,237.8               | 8.9              | 23.3          | -165.71               | -85.6                               | 374.8        | 776.7                  | 744.7                   | 31.96                     | 24.299             |          |
| 8,204.3                                               | 8,188.8               | 8,252.8               | 8,241.4               | 8.9              | 23.3          | -165.79               | -84.6                               | 374.5        | 776.6                  | 744.7                   | 31.98                     | 24.288             |          |
| 8,300.0                                               | 8,284.2               | 8,329.9               | 8,314.6               | 9.0              | 23.6          | -167.62               | -61.2                               | 368.8        | 778.2                  | 745.9                   | 32.30                     | 24.091             |          |
| 8,400.0                                               | 8,384.0               | 8,455.5               | 8,428.7               | 9.1              | 23.9          | -171.57               | -10.1                               | 357.3        | 780.7                  | 748.0                   | 32.69                     | 23.882             |          |
| 8,500.0                                               | 8,483.7               | 8,557.3               | 8,520.1               | 9.2              | 24.2          | -174.89               | 32.6                                | 343.8        | 782.1                  | 749.0                   | 33.03                     | 23.676             |          |
| 8,600.0                                               | 8,583.4               | 8,646.3               | 8,597.9               | 9.3              | 24.5          | -178.07               | 74.0                                | 331.1        | 786.0                  | 752.6                   | 33.34                     | 23.576 SF          |          |
| 8,700.0                                               | 8,683.1               | 8,711.4               | 8,650.6               | 9.5              | 24.7          | 179.15                | 110.7                               | 320.7        | 794.2                  | 760.6                   | 33.59                     | 23.647             |          |
| 8,800.0                                               | 8,782.8               | 8,773.1               | 8,693.6               | 9.6              | 24.8          | 175.97                | 153.1                               | 308.6        | 808.4                  | 774.6                   | 33.81                     | 23.909             |          |
| 8,900.0                                               | 8,882.6               | 8,849.8               | 8,738.7               | 9.7              | 25.0          | 171.59                | 212.2                               | 290.3        | 829.7                  | 795.7                   | 34.03                     | 24.384             |          |
| 9,000.0                                               | 8,982.3               | 8,853.0               | 8,740.6               | 9.8              | 25.0          | 171.41                | 214.7                               | 289.5        | 859.2                  | 824.9                   | 34.26                     | 25.076             |          |
| 9,100.0                                               | 9,082.0               | 8,853.0               | 8,740.6               | 9.9              | 25.0          | 171.41                | 214.7                               | 289.5        | 898.8                  | 864.3                   | 34.48                     | 26.067             |          |
| 9,200.0                                               | 9,181.7               | 8,853.0               | 8,740.6               | 10.0             | 25.0          | 171.41                | 214.7                               | 289.5        | 947.4                  | 912.7                   | 34.67                     | 27.328             |          |
| 9,300.0                                               | 9,281.4               | 8,853.0               | 8,740.6               | 10.2             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,003.6                | 968.8                   | 34.82                     | 28.820             |          |
| 9,400.0                                               | 9,381.2               | 8,853.0               | 8,740.6               | 10.3             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,066.2                | 1,031.3                 | 34.96                     | 30.502             |          |
| 9,500.0                                               | 9,480.9               | 8,853.0               | 8,740.6               | 10.4             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,134.3                | 1,099.2                 | 35.08                     | 32.334             |          |
| 9,600.0                                               | 9,580.6               | 8,853.0               | 8,740.6               | 10.5             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,206.7                | 1,171.5                 | 35.20                     | 34.282             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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> ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM 504H - OWB - AWP |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.0 usft |
|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| <b>Survey Program:</b> 139-MWD+IFR1+FDIR, 2087-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  |
| 9,700.0                                                                                          | 9,680.3               | 8,853.0               | 8,740.6               | 10.6             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,282.9                | 1,247.6                 | 35.33                     | 36.315                    |          |
| 9,800.0                                                                                          | 9,780.1               | 8,853.0               | 8,740.6               | 10.8             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,362.2                | 1,326.7                 | 35.47                     | 38.409                    |          |
| 9,900.0                                                                                          | 9,879.8               | 8,853.0               | 8,740.6               | 10.9             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,444.0                | 1,408.4                 | 35.62                     | 40.544                    |          |
| 10,000.0                                                                                         | 9,979.5               | 8,853.0               | 8,740.6               | 11.0             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,528.1                | 1,492.3                 | 35.78                     | 42.704                    |          |
| 10,100.0                                                                                         | 10,079.2              | 8,853.0               | 8,740.6               | 11.1             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,613.9                | 1,577.9                 | 35.96                     | 44.875                    |          |
| 10,200.0                                                                                         | 10,178.9              | 8,853.0               | 8,740.6               | 11.2             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,701.3                | 1,665.1                 | 36.16                     | 47.049                    |          |
| 10,300.0                                                                                         | 10,278.7              | 8,853.0               | 8,740.6               | 11.4             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,790.0                | 1,753.6                 | 36.37                     | 49.217                    |          |
| 10,400.0                                                                                         | 10,378.4              | 8,853.0               | 8,740.6               | 11.5             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,879.8                | 1,843.2                 | 36.59                     | 51.372                    |          |
| 10,500.0                                                                                         | 10,478.1              | 8,853.0               | 8,740.6               | 11.6             | 25.0          | 171.41                | 214.7                               | 289.5        | 1,970.6                | 1,933.8                 | 36.83                     | 53.510                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|---------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-----------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 139-MWD+IFR1+FDIR, 2087-MWD+IFR1+FDIR, 7725-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           | 90.94                 | -8.7                                | 530.2           | 530.3                  |                         |                           |                    |          |
| 100.0                                                                     | 100.0                 | 95.6                  | 95.6                  | 3.0              | 3.0           | 90.97                 | -9.0                                | 530.3           | 530.3                  | 524.3                   | 6.00                      | 88.343             |          |
| 200.0                                                                     | 200.0                 | 193.8                 | 193.8                 | 3.0              | 3.0           | 91.06                 | -9.8                                | 530.5           | 530.6                  | 524.6                   | 6.03                      | 88.037             |          |
| 300.0                                                                     | 300.0                 | 291.3                 | 291.3                 | 3.0              | 3.1           | 91.11                 | -10.3                               | 531.2           | 531.4                  | 525.3                   | 6.09                      | 87.187             |          |
| 400.0                                                                     | 400.0                 | 384.0                 | 384.0                 | 3.0              | 3.2           | 91.11                 | -10.3                               | 532.7           | 532.9                  | 526.7                   | 6.19                      | 86.047             |          |
| 500.0                                                                     | 500.0                 | 475.0                 | 475.0                 | 3.1              | 3.3           | 91.05                 | -9.8                                | 535.5           | 536.1                  | 529.7                   | 6.32                      | 84.833             |          |
| 600.0                                                                     | 600.0                 | 569.9                 | 569.7                 | 3.1              | 3.5           | 90.92                 | -8.6                                | 539.9           | 540.6                  | 534.1                   | 6.48                      | 83.430             |          |
| 700.0                                                                     | 700.0                 | 667.5                 | 667.1                 | 3.1              | 3.7           | 90.66                 | -6.3                                | 545.0           | 545.9                  | 539.2                   | 6.67                      | 81.791             |          |
| 800.0                                                                     | 800.0                 | 772.3                 | 771.8                 | 3.2              | 3.9           | 90.32                 | -3.1                                | 550.2           | 550.8                  | 543.9                   | 6.91                      | 79.686             |          |
| 900.0                                                                     | 900.0                 | 887.5                 | 886.9                 | 3.2              | 4.1           | 89.99                 | 0.1                                 | 554.4           | 554.5                  | 547.3                   | 7.20                      | 77.030             |          |
| 1,000.0                                                                   | 1,000.0               | 1,025.5               | 1,024.8               | 3.2              | 4.5           | 90.11                 | -1.0                                | 550.4           | 551.2                  | 543.6                   | 7.54                      | 73.138             |          |
| 1,100.0                                                                   | 1,100.0               | 1,125.7               | 1,124.8               | 3.3              | 4.7           | 90.23                 | -2.1                                | 545.1           | 545.8                  | 538.0                   | 7.81                      | 69.929             |          |
| 1,200.0                                                                   | 1,200.0               | 1,208.2               | 1,207.2               | 3.4              | 5.0           | 90.22                 | -2.0                                | 541.8           | 541.9                  | 533.9                   | 8.05                      | 67.296             |          |
| 1,258.7                                                                   | 1,258.7               | 1,256.0               | 1,255.1               | 3.4              | 5.1           | 90.13                 | -1.2                                | 541.4           | 541.4                  | 533.2                   | 8.20                      | 66.039             |          |
| 1,300.0                                                                   | 1,300.0               | 1,292.8               | 1,291.8               | 3.4              | 5.2           | 90.03                 | -0.3                                | 541.6           | 541.6                  | 533.3                   | 8.31                      | 65.168             |          |
| 1,400.0                                                                   | 1,400.0               | 1,389.1               | 1,388.1               | 3.5              | 5.5           | 89.74                 | 2.5                                 | 543.0           | 543.1                  | 534.5                   | 8.61                      | 63.077             |          |
| 1,500.0                                                                   | 1,500.0               | 1,491.7               | 1,490.6               | 3.5              | 5.8           | 89.43                 | 5.4                                 | 544.3           | 544.4                  | 535.4                   | 8.94                      | 60.908             |          |
| 1,600.0                                                                   | 1,600.0               | 1,592.8               | 1,591.6               | 3.6              | 6.1           | 89.15                 | 8.1                                 | 545.2           | 545.3                  | 536.0                   | 9.27                      | 58.836             |          |
| 1,700.0                                                                   | 1,700.0               | 1,693.6               | 1,692.5               | 3.7              | 6.4           | 88.92                 | 10.3                                | 546.0           | 546.1                  | 536.5                   | 9.61                      | 56.855             |          |
| 1,800.0                                                                   | 1,800.0               | 1,795.5               | 1,794.3               | 3.8              | 6.7           | 88.74                 | 12.0                                | 546.5           | 546.7                  | 536.7                   | 9.95                      | 54.933             |          |
| 1,900.0                                                                   | 1,900.0               | 1,898.7               | 1,897.5               | 3.9              | 7.1           | 88.60                 | 13.3                                | 546.6           | 546.8                  | 536.5                   | 10.31                     | 53.054             |          |
| 2,000.0                                                                   | 2,000.0               | 1,998.5               | 1,997.3               | 3.9              | 7.4           | 88.48                 | 14.5                                | 546.4           | 546.6                  | 535.9                   | 10.64                     | 51.346             |          |
| 2,032.6                                                                   | 2,032.6               | 2,030.2               | 2,029.0               | 4.0              | 7.4           | 88.45                 | 14.8                                | 546.3           | 546.5                  | 535.8                   | 10.71                     | 51.049             |          |
| 2,100.0                                                                   | 2,100.0               | 2,095.9               | 2,094.7               | 4.0              | 7.5           | 88.38                 | 15.5                                | 546.4           | 546.7                  | 535.8                   | 10.82                     | 50.519             |          |
| 2,200.0                                                                   | 2,200.0               | 2,194.2               | 2,193.0               | 4.1              | 7.5           | 88.27                 | 16.5                                | 546.8           | 547.1                  | 536.2                   | 10.87                     | 50.331             |          |
| 2,300.0                                                                   | 2,300.0               | 2,288.3               | 2,287.1               | 4.2              | 7.6           | 88.21                 | 17.1                                | 547.8           | 548.2                  | 537.2                   | 10.93                     | 50.139             |          |
| 2,400.0                                                                   | 2,400.0               | 2,378.5               | 2,377.2               | 4.3              | 7.6           | 88.20                 | 17.3                                | 550.3           | 550.9                  | 539.9                   | 11.01                     | 50.048             |          |
| 2,500.0                                                                   | 2,500.0               | 2,490.0               | 2,488.7               | 4.4              | 7.7           | 88.33                 | 16.2                                | 553.1           | 553.4                  | 542.3                   | 11.12                     | 49.784             |          |
| 2,600.0                                                                   | 2,600.0               | 2,597.5               | 2,596.2               | 4.4              | 7.8           | -164.35               | 13.2                                | 553.5           | 555.4                  | 544.1                   | 11.24                     | 49.429             |          |
| 2,700.0                                                                   | 2,699.8               | 2,696.8               | 2,695.4               | 4.5              | 7.9           | -164.14               | 10.0                                | 553.9           | 560.7                  | 549.3                   | 11.37                     | 49.326             |          |
| 2,713.9                                                                   | 2,713.7               | 2,711.3               | 2,709.9               | 4.5              | 7.9           | -164.12               | 9.5                                 | 553.9           | 561.6                  | 550.3                   | 11.39                     | 49.323             |          |
| 2,800.0                                                                   | 2,799.6               | 2,794.4               | 2,792.9               | 4.5              | 8.0           | -163.98               | 6.5                                 | 554.0           | 567.9                  | 556.4                   | 11.52                     | 49.313             |          |
| 2,900.0                                                                   | 2,899.3               | 2,890.5               | 2,889.0               | 4.5              | 8.1           | -163.82               | 2.9                                 | 555.1           | 576.1                  | 564.4                   | 11.68                     | 49.319             |          |
| 3,000.0                                                                   | 2,999.0               | 2,992.3               | 2,990.7               | 4.5              | 8.2           | -163.69               | -0.5                                | 556.2           | 584.3                  | 572.4                   | 11.88                     | 49.200             |          |
| 3,100.0                                                                   | 3,098.7               | 3,094.6               | 3,093.0               | 4.5              | 8.4           | -163.59               | -3.7                                | 556.8           | 592.0                  | 579.9                   | 12.08                     | 48.999             |          |
| 3,200.0                                                                   | 3,198.4               | 3,205.1               | 3,203.4               | 4.6              | 8.6           | -163.52               | -6.8                                | 556.4           | 598.8                  | 586.5                   | 12.32                     | 48.625             |          |
| 3,300.0                                                                   | 3,298.2               | 3,313.3               | 3,311.5               | 4.6              | 8.7           | -163.47               | -9.6                                | 554.1           | 603.8                  | 591.3                   | 12.56                     | 48.074             |          |
| 3,400.0                                                                   | 3,397.9               | 3,410.8               | 3,409.0               | 4.6              | 8.9           | -163.42               | -12.2                               | 551.6           | 608.4                  | 595.6                   | 12.80                     | 47.511             |          |
| 3,500.0                                                                   | 3,497.6               | 3,510.0               | 3,508.1               | 4.7              | 9.1           | -163.38               | -14.7                               | 549.3           | 613.2                  | 600.1                   | 13.07                     | 46.931             |          |
| 3,600.0                                                                   | 3,597.3               | 3,609.3               | 3,607.4               | 4.7              | 9.3           | -163.39               | -16.8                               | 547.1           | 618.1                  | 604.7                   | 13.34                     | 46.340             |          |
| 3,700.0                                                                   | 3,697.1               | 3,708.8               | 3,706.9               | 4.8              | 9.5           | -163.40               | -18.8                               | 544.9           | 623.1                  | 609.4                   | 13.62                     | 45.740             |          |
| 3,800.0                                                                   | 3,796.8               | 3,808.9               | 3,806.9               | 4.8              | 9.8           | -163.42               | -20.7                               | 542.7           | 628.0                  | 614.1                   | 13.92                     | 45.122             |          |
| 3,900.0                                                                   | 3,896.5               | 3,906.7               | 3,904.7               | 4.9              | 10.0          | -163.48               | -22.2                               | 540.8           | 633.2                  | 618.9                   | 14.22                     | 44.528             |          |
| 4,000.0                                                                   | 3,996.2               | 4,005.5               | 4,003.5               | 4.9              | 10.2          | -163.57               | -23.3                               | 539.1           | 638.5                  | 624.0                   | 14.53                     | 43.944             |          |
| 4,100.0                                                                   | 4,095.9               | 4,104.7               | 4,102.7               | 5.0              | 10.4          | -163.65               | -24.5                               | 537.4           | 644.0                  | 629.2                   | 14.85                     | 43.363             |          |
| 4,200.0                                                                   | 4,195.7               | 4,204.5               | 4,202.4               | 5.1              | 10.7          | -163.74               | -25.6                               | 535.9           | 649.6                  | 634.5                   | 15.18                     | 42.785             |          |
| 4,300.0                                                                   | 4,295.4               | 4,305.0               | 4,302.9               | 5.1              | 11.0          | -163.83               | -26.7                               | 534.2           | 655.2                  | 639.6                   | 15.52                     | 42.202             |          |
| 4,400.0                                                                   | 4,395.1               | 4,405.7               | 4,403.5               | 5.2              | 11.2          | -163.91               | -27.9                               | 532.5           | 660.6                  | 644.7                   | 15.87                     | 41.616             |          |
| 4,500.0                                                                   | 4,494.8               | 4,505.8               | 4,503.6               | 5.3              | 11.5          | -163.98               | -29.1                               | 530.6           | 665.9                  | 649.7                   | 16.23                     | 41.034             |          |
| 4,600.0                                                                   | 4,594.5               | 4,605.8               | 4,603.6               | 5.3              | 11.8          | -164.07               | -30.2                               | 528.8           | 671.2                  | 654.6                   | 16.59                     | 40.463             |          |
| 4,700.0                                                                   | 4,694.3               | 4,706.9               | 4,704.7               | 5.4              | 12.0          | -164.15               | -31.4                               | 526.8           | 676.4                  | 659.4                   | 16.96                     | 39.890             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|---------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-----------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 139-MWD+IFR1+FDIR, 2087-MWD+IFR1+FDIR, 7725-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  |
| 4,800.0                                                                   | 4,794.0               | 4,807.7               | 4,805.5               | 5.5              | 12.3          | -164.22               | -32.7                               | 524.7           | 681.4                  | 664.1                   | 17.33                     | 39.318             |          |
| 4,900.0                                                                   | 4,893.7               | 4,909.9               | 4,907.6               | 5.6              | 12.6          | -164.27               | -34.2                               | 522.3           | 686.2                  | 668.5                   | 17.72                     | 38.737             |          |
| 5,000.0                                                                   | 4,993.4               | 5,010.6               | 5,008.2               | 5.7              | 12.9          | -164.31               | -35.8                               | 519.7           | 690.8                  | 672.7                   | 18.10                     | 38.165             |          |
| 5,100.0                                                                   | 5,093.2               | 5,114.5               | 5,112.1               | 5.7              | 13.2          | -164.34               | -37.6                               | 516.6           | 695.0                  | 676.5                   | 18.50                     | 37.568             |          |
| 5,200.0                                                                   | 5,192.9               | 5,213.6               | 5,211.1               | 5.8              | 13.5          | -164.36               | -39.5                               | 513.6           | 699.1                  | 680.2                   | 18.89                     | 37.005             |          |
| 5,300.0                                                                   | 5,292.6               | 5,316.9               | 5,314.4               | 5.9              | 13.8          | -164.35               | -41.7                               | 510.1           | 702.9                  | 683.6                   | 19.30                     | 36.421             |          |
| 5,400.0                                                                   | 5,392.3               | 5,417.8               | 5,415.1               | 6.0              | 14.1          | -164.33               | -44.0                               | 506.4           | 706.3                  | 686.6                   | 19.70                     | 35.848             |          |
| 5,500.0                                                                   | 5,492.0               | 5,515.7               | 5,513.0               | 6.1              | 14.4          | -164.30               | -46.5                               | 502.9           | 709.9                  | 689.8                   | 20.11                     | 35.308             |          |
| 5,600.0                                                                   | 5,591.8               | 5,613.3               | 5,610.5               | 6.2              | 14.7          | -164.27               | -49.0                               | 499.8           | 713.8                  | 693.3                   | 20.51                     | 34.803             |          |
| 5,700.0                                                                   | 5,691.5               | 5,713.1               | 5,710.2               | 6.3              | 15.0          | -164.21               | -51.7                               | 496.8           | 717.9                  | 697.0                   | 20.92                     | 34.311             |          |
| 5,800.0                                                                   | 5,791.2               | 5,816.8               | 5,813.8               | 6.4              | 15.3          | -164.16               | -54.6                               | 493.4           | 721.8                  | 700.4                   | 21.35                     | 33.806             |          |
| 5,900.0                                                                   | 5,890.9               | 5,919.6               | 5,916.5               | 6.5              | 15.7          | -164.09               | -57.6                               | 489.5           | 725.1                  | 703.3                   | 21.78                     | 33.292             |          |
| 6,000.0                                                                   | 5,990.6               | 6,020.1               | 6,016.9               | 6.6              | 16.0          | -164.02               | -60.6                               | 485.5           | 728.2                  | 706.0                   | 22.20                     | 32.795             |          |
| 6,100.0                                                                   | 6,090.4               | 6,119.2               | 6,115.8               | 6.6              | 16.3          | -163.96               | -63.6                               | 481.5           | 731.3                  | 708.7                   | 22.63                     | 32.318             |          |
| 6,200.0                                                                   | 6,190.1               | 6,216.5               | 6,213.0               | 6.7              | 16.6          | -163.87               | -66.7                               | 477.8           | 734.7                  | 711.6                   | 23.05                     | 31.872             |          |
| 6,300.0                                                                   | 6,289.8               | 6,312.0               | 6,308.5               | 6.8              | 16.9          | -163.79               | -69.8                               | 474.7           | 738.5                  | 715.1                   | 23.47                     | 31.467             |          |
| 6,400.0                                                                   | 6,389.5               | 6,410.5               | 6,406.9               | 6.9              | 17.2          | -163.71               | -72.9                               | 471.9           | 742.8                  | 718.9                   | 23.90                     | 31.080             |          |
| 6,500.0                                                                   | 6,489.3               | 6,508.0               | 6,504.3               | 7.0              | 17.6          | -163.63               | -76.1                               | 469.4           | 747.3                  | 723.0                   | 24.33                     | 30.717             |          |
| 6,600.0                                                                   | 6,589.0               | 6,605.0               | 6,601.2               | 7.2              | 17.9          | -163.55               | -79.2                               | 467.2           | 752.2                  | 727.5                   | 24.76                     | 30.383             |          |
| 6,700.0                                                                   | 6,688.7               | 6,721.1               | 6,717.2               | 7.3              | 18.2          | -163.47               | -82.8                               | 463.7           | 756.3                  | 731.1                   | 25.24                     | 29.962             |          |
| 6,800.0                                                                   | 6,788.4               | 6,833.6               | 6,829.4               | 7.4              | 18.6          | -163.39               | -86.2                               | 457.8           | 758.2                  | 732.4                   | 25.72                     | 29.481             |          |
| 6,900.0                                                                   | 6,888.1               | 6,930.2               | 6,925.8               | 7.5              | 18.9          | -163.38               | -88.5                               | 452.1           | 759.4                  | 733.3                   | 26.15                     | 29.043             |          |
| 7,000.0                                                                   | 6,987.9               | 7,022.4               | 7,018.0               | 7.6              | 19.2          | -163.39               | -90.3                               | 447.7           | 761.7                  | 735.2                   | 26.57                     | 28.670             |          |
| 7,100.0                                                                   | 7,087.6               | 7,119.7               | 7,115.1               | 7.7              | 19.6          | -163.34               | -93.1                               | 443.6           | 764.7                  | 737.7                   | 27.01                     | 28.315             |          |
| 7,200.0                                                                   | 7,187.3               | 7,217.5               | 7,212.8               | 7.8              | 19.9          | -163.21               | -97.0                               | 439.7           | 767.9                  | 740.4                   | 27.45                     | 27.974             |          |
| 7,300.0                                                                   | 7,287.0               | 7,327.5               | 7,322.6               | 7.9              | 20.3          | -163.07               | -101.2                              | 435.3           | 771.0                  | 743.1                   | 27.93                     | 27.606             |          |
| 7,400.0                                                                   | 7,386.7               | 7,421.9               | 7,416.8               | 8.0              | 20.6          | -162.96               | -104.8                              | 430.4           | 773.0                  | 744.6                   | 28.36                     | 27.253             |          |
| 7,500.0                                                                   | 7,486.5               | 7,518.4               | 7,513.2               | 8.1              | 20.9          | -162.96               | -107.0                              | 426.7           | 776.2                  | 747.4                   | 28.80                     | 26.949             |          |
| 7,600.0                                                                   | 7,586.2               | 7,641.9               | 7,636.5               | 8.2              | 21.3          | -162.92               | -110.2                              | 420.3           | 778.3                  | 749.0                   | 29.32                     | 26.546             |          |
| 7,700.0                                                                   | 7,685.9               | 7,749.2               | 7,743.4               | 8.3              | 21.5          | -162.90               | -112.8                              | 412.3           | 778.0                  | 748.4                   | 29.56                     | 26.315             |          |
| 7,800.0                                                                   | 7,785.6               | 7,900.7               | 7,888.6               | 8.4              | 21.5          | -165.93               | -75.3                               | 394.1           | 772.8                  | 743.2                   | 29.58                     | 26.125             |          |
| 7,900.0                                                                   | 7,885.4               | 7,963.7               | 7,947.5               | 8.5              | 21.5          | -167.58               | -54.5                               | 386.4           | 769.2                  | 739.5                   | 29.72                     | 25.884             |          |
| 8,000.0                                                                   | 7,985.1               | 8,061.7               | 8,038.2               | 8.7              | 21.5          | -170.38               | -19.3                               | 374.8           | 767.9                  | 738.1                   | 29.80                     | 25.767             |          |
| 8,100.0                                                                   | 8,084.8               | 8,184.5               | 8,144.3               | 8.8              | 21.6          | -175.00               | 39.4                                | 356.6           | 767.8                  | 738.0                   | 29.84                     | 25.732             |          |
| 8,171.1                                                                   | 8,155.7               | 8,266.4               | 8,209.3               | 8.9              | 21.6          | -178.71               | 86.0                                | 339.4           | 767.2                  | 737.3                   | 29.87                     | 25.685             |          |
| 8,200.0                                                                   | 8,184.5               | 8,288.0               | 8,225.8               | 8.9              | 21.6          | -179.75               | 99.1                                | 334.5           | 767.4                  | 737.5                   | 29.90                     | 25.669 SF          |          |
| 8,300.0                                                                   | 8,284.2               | 8,350.0               | 8,271.0               | 9.0              | 21.7          | 177.09                | 139.0                               | 320.0           | 772.5                  | 742.4                   | 30.02                     | 25.735             |          |
| 8,400.0                                                                   | 8,384.0               | 8,390.4               | 8,298.3               | 9.1              | 21.7          | 174.90                | 167.3                               | 311.0           | 785.9                  | 755.7                   | 30.19                     | 26.030             |          |
| 8,500.0                                                                   | 8,483.7               | 8,433.9               | 8,325.5               | 9.2              | 21.7          | 172.43                | 199.9                               | 301.5           | 808.1                  | 777.7                   | 30.39                     | 26.591             |          |
| 8,600.0                                                                   | 8,583.4               | 8,486.1               | 8,356.3               | 9.3              | 21.8          | 169.42                | 240.4                               | 289.8           | 838.1                  | 807.5                   | 30.59                     | 27.395             |          |
| 8,700.0                                                                   | 8,683.1               | 8,527.9               | 8,379.9               | 9.5              | 21.8          | 167.02                | 273.6                               | 280.3           | 875.4                  | 844.6                   | 30.84                     | 28.389             |          |
| 8,800.0                                                                   | 8,782.8               | 8,569.0               | 8,401.8               | 9.6              | 21.8          | 164.66                | 307.0                               | 270.8           | 919.7                  | 888.6                   | 31.09                     | 29.579             |          |
| 8,900.0                                                                   | 8,882.6               | 8,606.2               | 8,421.4               | 9.7              | 21.9          | 162.58                | 337.5                               | 262.5           | 970.2                  | 938.8                   | 31.36                     | 30.939             |          |
| 9,000.0                                                                   | 8,982.3               | 8,683.6               | 8,463.0               | 9.8              | 22.0          | 158.48                | 400.6                               | 245.8           | 1,025.0                | 993.3                   | 31.60                     | 32.432             |          |
| 9,100.0                                                                   | 9,082.0               | 8,727.0               | 8,485.8               | 9.9              | 22.1          | 156.26                | 436.1                               | 235.5           | 1,083.3                | 1,051.4                 | 31.89                     | 33.975             |          |
| 9,200.0                                                                   | 9,181.7               | 8,764.7               | 8,504.9               | 10.0             | 22.1          | 154.37                | 467.3                               | 226.5           | 1,145.7                | 1,113.5                 | 32.18                     | 35.606             |          |
| 9,300.0                                                                   | 9,281.4               | 8,806.4               | 8,525.7               | 10.2             | 22.2          | 152.35                | 502.0                               | 216.4           | 1,211.4                | 1,179.0                 | 32.48                     | 37.303             |          |
| 9,400.0                                                                   | 9,381.2               | 8,839.9               | 8,542.2               | 10.3             | 22.3          | 150.78                | 530.0                               | 208.4           | 1,280.0                | 1,247.2                 | 32.78                     | 39.050             |          |
| 9,500.0                                                                   | 9,480.9               | 8,853.0               | 8,548.5               | 10.4             | 22.3          | 150.17                | 541.1                               | 205.2           | 1,351.6                | 1,318.6                 | 33.07                     | 40.870             |          |
| 9,600.0                                                                   | 9,580.6               | 8,884.0               | 8,562.4               | 10.5             | 22.4          | 148.75                | 567.7                               | 197.7           | 1,426.1                | 1,392.8                 | 33.38                     | 42.723             |          |
| 9,700.0                                                                   | 9,680.3               | 8,884.0               | 8,562.4               | 10.6             | 22.4          | 148.75                | 567.7                               | 197.7           | 1,503.1                | 1,469.4                 | 33.66                     | 44.653             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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> ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM 504H - ST01 - ST01 |                              |                              |                              |                         |                      |                              |                                            |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> | 0.0 usft |
| <b>Survey Program:</b> 139-MWD+IFR1+FDIR, 2087-MWD+IFR1+FDIR, 7725-MWD+IFR1+FDIR                   |                              |                              |                              |                         |                      |                              |                                            |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> | 3.0 usft |
| <b>Reference</b>                                                                                   |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Distance</b>              |                                            |                     |                               |                                |                                  |                          |                           |          |
| <b>Measured Depth (usft)</b>                                                                       | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre +N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>            |          |
| 9,800.0                                                                                            | 9,780.1                      | 8,915.0                      | 8,575.4                      | 10.8                    | 22.4                 | 147.37                       | 595.0                                      | 190.5               | 1,582.3                       | 1,548.3                        | 33.98                            | 46.561                   |                           |          |
| 9,900.0                                                                                            | 9,879.8                      | 8,931.5                      | 8,582.1                      | 10.9                    | 22.5                 | 146.65                       | 609.6                                      | 186.8               | 1,663.1                       | 1,628.8                        | 34.29                            | 48.502                   |                           |          |
| 10,000.0                                                                                           | 9,979.5                      | 8,971.3                      | 8,598.0                      | 11.0                    | 22.5                 | 144.97                       | 645.0                                      | 177.7               | 1,745.4                       | 1,710.7                        | 34.64                            | 50.385                   |                           |          |
| 10,100.0                                                                                           | 10,079.2                     | 9,019.6                      | 8,617.6                      | 11.1                    | 22.7                 | 143.03                       | 687.6                                      | 166.5               | 1,828.2                       | 1,793.2                        | 35.02                            | 52.208                   |                           |          |
| 10,200.0                                                                                           | 10,178.9                     | 9,041.0                      | 8,626.2                      | 11.2                    | 22.7                 | 142.20                       | 706.6                                      | 161.5               | 1,912.0                       | 1,876.7                        | 35.36                            | 54.079                   |                           |          |
| 10,300.0                                                                                           | 10,278.7                     | 9,053.1                      | 8,630.9                      | 11.4                    | 22.7                 | 141.75                       | 717.4                                      | 158.8               | 1,997.1                       | 1,961.4                        | 35.68                            | 55.965                   |                           |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-----------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 139-MWD+IFR1+FDIR, 2087-MWD+IFR1+FDIR, 7725-MWD+IFR1+FDIR, 13810-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           | 90.94                 | -8.7                                | 530.2           | 530.3                  |                         |                           |                    |          |
| 100.0                                                                                          | 100.0                 | 95.6                  | 95.6                  | 3.0              | 3.0           | 90.97                 | -9.0                                | 530.3           | 530.3                  | 524.3                   | 6.00                      | 88.343             |          |
| 200.0                                                                                          | 200.0                 | 193.8                 | 193.8                 | 3.0              | 3.0           | 91.06                 | -9.8                                | 530.5           | 530.6                  | 524.6                   | 6.03                      | 88.037             |          |
| 300.0                                                                                          | 300.0                 | 291.3                 | 291.3                 | 3.0              | 3.1           | 91.11                 | -10.3                               | 531.2           | 531.4                  | 525.3                   | 6.09                      | 87.187             |          |
| 400.0                                                                                          | 400.0                 | 384.0                 | 384.0                 | 3.0              | 3.2           | 91.11                 | -10.3                               | 532.7           | 532.9                  | 526.7                   | 6.19                      | 86.047             |          |
| 500.0                                                                                          | 500.0                 | 475.0                 | 475.0                 | 3.1              | 3.3           | 91.05                 | -9.8                                | 535.5           | 536.1                  | 529.7                   | 6.32                      | 84.833             |          |
| 600.0                                                                                          | 600.0                 | 569.9                 | 569.7                 | 3.1              | 3.5           | 90.92                 | -8.6                                | 539.9           | 540.6                  | 534.1                   | 6.48                      | 83.430             |          |
| 700.0                                                                                          | 700.0                 | 667.5                 | 667.1                 | 3.1              | 3.7           | 90.66                 | -6.3                                | 545.0           | 545.9                  | 539.2                   | 6.67                      | 81.791             |          |
| 800.0                                                                                          | 800.0                 | 772.3                 | 771.8                 | 3.2              | 3.9           | 90.32                 | -3.1                                | 550.2           | 550.8                  | 543.9                   | 6.91                      | 79.686             |          |
| 900.0                                                                                          | 900.0                 | 887.5                 | 886.9                 | 3.2              | 4.1           | 89.99                 | 0.1                                 | 554.4           | 554.5                  | 547.3                   | 7.20                      | 77.030             |          |
| 1,000.0                                                                                        | 1,000.0               | 1,025.5               | 1,024.8               | 3.2              | 4.5           | 90.11                 | -1.0                                | 550.4           | 551.2                  | 543.6                   | 7.54                      | 73.138             |          |
| 1,100.0                                                                                        | 1,100.0               | 1,125.7               | 1,124.8               | 3.3              | 4.7           | 90.23                 | -2.1                                | 545.1           | 545.8                  | 538.0                   | 7.81                      | 69.929             |          |
| 1,200.0                                                                                        | 1,200.0               | 1,208.2               | 1,207.2               | 3.4              | 5.0           | 90.22                 | -2.0                                | 541.8           | 541.9                  | 533.9                   | 8.05                      | 67.296             |          |
| 1,258.7                                                                                        | 1,258.7               | 1,256.0               | 1,255.1               | 3.4              | 5.1           | 90.13                 | -1.2                                | 541.4           | 541.4                  | 533.2                   | 8.20                      | 66.039             |          |
| 1,300.0                                                                                        | 1,300.0               | 1,292.8               | 1,291.8               | 3.4              | 5.2           | 90.03                 | -0.3                                | 541.6           | 541.6                  | 533.3                   | 8.31                      | 65.168             |          |
| 1,400.0                                                                                        | 1,400.0               | 1,389.1               | 1,388.1               | 3.5              | 5.5           | 89.74                 | 2.5                                 | 543.0           | 543.1                  | 534.5                   | 8.61                      | 63.077             |          |
| 1,500.0                                                                                        | 1,500.0               | 1,491.7               | 1,490.6               | 3.5              | 5.8           | 89.43                 | 5.4                                 | 544.3           | 544.4                  | 535.4                   | 8.94                      | 60.908             |          |
| 1,600.0                                                                                        | 1,600.0               | 1,592.8               | 1,591.6               | 3.6              | 6.1           | 89.15                 | 8.1                                 | 545.2           | 545.3                  | 536.0                   | 9.27                      | 58.836             |          |
| 1,700.0                                                                                        | 1,700.0               | 1,693.6               | 1,692.5               | 3.7              | 6.4           | 88.92                 | 10.3                                | 546.0           | 546.1                  | 536.5                   | 9.61                      | 56.855             |          |
| 1,800.0                                                                                        | 1,800.0               | 1,795.5               | 1,794.3               | 3.8              | 6.7           | 88.74                 | 12.0                                | 546.5           | 546.7                  | 536.7                   | 9.95                      | 54.933             |          |
| 1,900.0                                                                                        | 1,900.0               | 1,898.7               | 1,897.5               | 3.9              | 7.1           | 88.60                 | 13.3                                | 546.6           | 546.8                  | 536.5                   | 10.31                     | 53.054             |          |
| 2,000.0                                                                                        | 2,000.0               | 1,998.5               | 1,997.3               | 3.9              | 7.4           | 88.48                 | 14.5                                | 546.4           | 546.6                  | 535.9                   | 10.64                     | 51.346             |          |
| 2,032.6                                                                                        | 2,032.6               | 2,030.2               | 2,029.0               | 4.0              | 7.4           | 88.45                 | 14.8                                | 546.3           | 546.5                  | 535.8                   | 10.71                     | 51.049             |          |
| 2,100.0                                                                                        | 2,100.0               | 2,095.9               | 2,094.7               | 4.0              | 7.5           | 88.38                 | 15.5                                | 546.4           | 546.7                  | 535.8                   | 10.82                     | 50.519             |          |
| 2,200.0                                                                                        | 2,200.0               | 2,194.2               | 2,193.0               | 4.1              | 7.5           | 88.27                 | 16.5                                | 546.8           | 547.1                  | 536.2                   | 10.87                     | 50.331             |          |
| 2,300.0                                                                                        | 2,300.0               | 2,288.3               | 2,287.1               | 4.2              | 7.6           | 88.21                 | 17.1                                | 547.8           | 548.2                  | 537.2                   | 10.93                     | 50.139             |          |
| 2,400.0                                                                                        | 2,400.0               | 2,378.5               | 2,377.2               | 4.3              | 7.6           | 88.20                 | 17.3                                | 550.3           | 550.9                  | 539.9                   | 11.01                     | 50.048             |          |
| 2,500.0                                                                                        | 2,500.0               | 2,490.0               | 2,488.7               | 4.4              | 7.7           | 88.33                 | 16.2                                | 553.1           | 553.4                  | 542.3                   | 11.12                     | 49.784             |          |
| 2,600.0                                                                                        | 2,600.0               | 2,597.5               | 2,596.2               | 4.4              | 7.8           | -164.35               | 13.2                                | 553.5           | 555.4                  | 544.1                   | 11.24                     | 49.429             |          |
| 2,700.0                                                                                        | 2,699.8               | 2,696.8               | 2,695.4               | 4.5              | 7.9           | -164.14               | 10.0                                | 553.9           | 560.7                  | 549.3                   | 11.37                     | 49.326             |          |
| 2,713.9                                                                                        | 2,713.7               | 2,711.3               | 2,709.9               | 4.5              | 7.9           | -164.12               | 9.5                                 | 553.9           | 561.6                  | 550.3                   | 11.39                     | 49.323             |          |
| 2,800.0                                                                                        | 2,799.6               | 2,794.4               | 2,792.9               | 4.5              | 8.0           | -163.98               | 6.5                                 | 554.0           | 567.9                  | 556.4                   | 11.52                     | 49.313             |          |
| 2,900.0                                                                                        | 2,899.3               | 2,890.5               | 2,889.0               | 4.5              | 8.1           | -163.82               | 2.9                                 | 555.1           | 576.1                  | 564.4                   | 11.68                     | 49.319             |          |
| 3,000.0                                                                                        | 2,999.0               | 2,992.3               | 2,990.7               | 4.5              | 8.2           | -163.69               | -0.5                                | 556.2           | 584.3                  | 572.4                   | 11.88                     | 49.200             |          |
| 3,100.0                                                                                        | 3,098.7               | 3,094.6               | 3,093.0               | 4.5              | 8.4           | -163.59               | -3.7                                | 556.8           | 592.0                  | 579.9                   | 12.08                     | 48.999             |          |
| 3,200.0                                                                                        | 3,198.4               | 3,205.1               | 3,203.4               | 4.6              | 8.6           | -163.52               | -6.8                                | 556.4           | 598.8                  | 586.5                   | 12.32                     | 48.625             |          |
| 3,300.0                                                                                        | 3,298.2               | 3,313.3               | 3,311.5               | 4.6              | 8.7           | -163.47               | -9.6                                | 554.1           | 603.8                  | 591.3                   | 12.56                     | 48.074             |          |
| 3,400.0                                                                                        | 3,397.9               | 3,410.8               | 3,409.0               | 4.6              | 8.9           | -163.42               | -12.2                               | 551.6           | 608.4                  | 595.6                   | 12.80                     | 47.511             |          |
| 3,500.0                                                                                        | 3,497.6               | 3,510.0               | 3,508.1               | 4.7              | 9.1           | -163.38               | -14.7                               | 549.3           | 613.2                  | 600.1                   | 13.07                     | 46.931             |          |
| 3,600.0                                                                                        | 3,597.3               | 3,609.3               | 3,607.4               | 4.7              | 9.3           | -163.39               | -16.8                               | 547.1           | 618.1                  | 604.7                   | 13.34                     | 46.340             |          |
| 3,700.0                                                                                        | 3,697.1               | 3,708.8               | 3,706.9               | 4.8              | 9.5           | -163.40               | -18.8                               | 544.9           | 623.1                  | 609.4                   | 13.62                     | 45.740             |          |
| 3,800.0                                                                                        | 3,796.8               | 3,808.9               | 3,806.9               | 4.8              | 9.8           | -163.42               | -20.7                               | 542.7           | 628.0                  | 614.1                   | 13.92                     | 45.122             |          |
| 3,900.0                                                                                        | 3,896.5               | 3,906.7               | 3,904.7               | 4.9              | 10.0          | -163.48               | -22.2                               | 540.8           | 633.2                  | 618.9                   | 14.22                     | 44.528             |          |
| 4,000.0                                                                                        | 3,996.2               | 4,005.5               | 4,003.5               | 4.9              | 10.2          | -163.57               | -23.3                               | 539.1           | 638.5                  | 624.0                   | 14.53                     | 43.944             |          |
| 4,100.0                                                                                        | 4,095.9               | 4,104.7               | 4,102.7               | 5.0              | 10.4          | -163.65               | -24.5                               | 537.4           | 644.0                  | 629.2                   | 14.85                     | 43.363             |          |
| 4,200.0                                                                                        | 4,195.7               | 4,204.5               | 4,202.4               | 5.1              | 10.7          | -163.74               | -25.6                               | 535.9           | 649.6                  | 634.5                   | 15.18                     | 42.785             |          |
| 4,300.0                                                                                        | 4,295.4               | 4,305.0               | 4,302.9               | 5.1              | 11.0          | -163.83               | -26.7                               | 534.2           | 655.2                  | 639.6                   | 15.52                     | 42.202             |          |
| 4,400.0                                                                                        | 4,395.1               | 4,405.7               | 4,403.5               | 5.2              | 11.2          | -163.91               | -27.9                               | 532.5           | 660.6                  | 644.7                   | 15.87                     | 41.616             |          |
| 4,500.0                                                                                        | 4,494.8               | 4,505.8               | 4,503.6               | 5.3              | 11.5          | -163.98               | -29.1                               | 530.6           | 665.9                  | 649.7                   | 16.23                     | 41.034             |          |
| 4,600.0                                                                                        | 4,594.5               | 4,605.8               | 4,603.6               | 5.3              | 11.8          | -164.07               | -30.2                               | 528.8           | 671.2                  | 654.6                   | 16.59                     | 40.463             |          |
| 4,700.0                                                                                        | 4,694.3               | 4,706.9               | 4,704.7               | 5.4              | 12.0          | -164.15               | -31.4                               | 526.8           | 676.4                  | 659.4                   | 16.96                     | 39.890             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|-----------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 139-MWD+IFR1+FDIR, 2087-MWD+IFR1+FDIR, 7725-MWD+IFR1+FDIR, 13810-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            |          |
| 4,800.0                                                                                        | 4,794.0               | 4,807.7               | 4,805.5               | 5.5              | 12.3          | -164.22               | -32.7                               | 524.7           | 681.4                  | 664.1                   | 17.33                     | 39.318            |                    |          |
| 4,900.0                                                                                        | 4,893.7               | 4,909.9               | 4,907.6               | 5.6              | 12.6          | -164.27               | -34.2                               | 522.3           | 686.2                  | 668.5                   | 17.72                     | 38.737            |                    |          |
| 5,000.0                                                                                        | 4,993.4               | 5,010.6               | 5,008.2               | 5.7              | 12.9          | -164.31               | -35.8                               | 519.7           | 690.8                  | 672.7                   | 18.10                     | 38.165            |                    |          |
| 5,100.0                                                                                        | 5,093.2               | 5,114.5               | 5,112.1               | 5.7              | 13.2          | -164.34               | -37.6                               | 516.6           | 695.0                  | 676.5                   | 18.50                     | 37.568            |                    |          |
| 5,200.0                                                                                        | 5,192.9               | 5,213.6               | 5,211.1               | 5.8              | 13.5          | -164.36               | -39.5                               | 513.6           | 699.1                  | 680.2                   | 18.89                     | 37.005            |                    |          |
| 5,300.0                                                                                        | 5,292.6               | 5,316.9               | 5,314.4               | 5.9              | 13.8          | -164.35               | -41.7                               | 510.1           | 702.9                  | 683.6                   | 19.30                     | 36.421            |                    |          |
| 5,400.0                                                                                        | 5,392.3               | 5,417.8               | 5,415.1               | 6.0              | 14.1          | -164.33               | -44.0                               | 506.4           | 706.3                  | 686.6                   | 19.70                     | 35.848            |                    |          |
| 5,500.0                                                                                        | 5,492.0               | 5,515.7               | 5,513.0               | 6.1              | 14.4          | -164.30               | -46.5                               | 502.9           | 709.9                  | 689.8                   | 20.11                     | 35.308            |                    |          |
| 5,600.0                                                                                        | 5,591.8               | 5,613.3               | 5,610.5               | 6.2              | 14.7          | -164.27               | -49.0                               | 499.8           | 713.8                  | 693.3                   | 20.51                     | 34.803            |                    |          |
| 5,700.0                                                                                        | 5,691.5               | 5,713.1               | 5,710.2               | 6.3              | 15.0          | -164.21               | -51.7                               | 496.8           | 717.9                  | 697.0                   | 20.92                     | 34.311            |                    |          |
| 5,800.0                                                                                        | 5,791.2               | 5,816.8               | 5,813.8               | 6.4              | 15.3          | -164.16               | -54.6                               | 493.4           | 721.8                  | 700.4                   | 21.35                     | 33.806            |                    |          |
| 5,900.0                                                                                        | 5,890.9               | 5,919.6               | 5,916.5               | 6.5              | 15.7          | -164.09               | -57.6                               | 489.5           | 725.1                  | 703.3                   | 21.78                     | 33.292            |                    |          |
| 6,000.0                                                                                        | 5,990.6               | 6,020.1               | 6,016.9               | 6.6              | 16.0          | -164.02               | -60.6                               | 485.5           | 728.2                  | 706.0                   | 22.20                     | 32.795            |                    |          |
| 6,100.0                                                                                        | 6,090.4               | 6,119.2               | 6,115.8               | 6.6              | 16.3          | -163.96               | -63.6                               | 481.5           | 731.3                  | 708.7                   | 22.63                     | 32.318            |                    |          |
| 6,200.0                                                                                        | 6,190.1               | 6,216.5               | 6,213.0               | 6.7              | 16.6          | -163.87               | -66.7                               | 477.8           | 734.7                  | 711.6                   | 23.05                     | 31.872            |                    |          |
| 6,300.0                                                                                        | 6,289.8               | 6,312.0               | 6,308.5               | 6.8              | 16.9          | -163.79               | -69.8                               | 474.7           | 738.5                  | 715.1                   | 23.47                     | 31.467            |                    |          |
| 6,400.0                                                                                        | 6,389.5               | 6,410.5               | 6,406.9               | 6.9              | 17.2          | -163.71               | -72.9                               | 471.9           | 742.8                  | 718.9                   | 23.90                     | 31.080            |                    |          |
| 6,500.0                                                                                        | 6,489.3               | 6,508.0               | 6,504.3               | 7.0              | 17.6          | -163.63               | -76.1                               | 469.4           | 747.3                  | 723.0                   | 24.33                     | 30.717            |                    |          |
| 6,600.0                                                                                        | 6,589.0               | 6,605.0               | 6,601.2               | 7.2              | 17.9          | -163.55               | -79.2                               | 467.2           | 752.2                  | 727.5                   | 24.76                     | 30.383            |                    |          |
| 6,700.0                                                                                        | 6,688.7               | 6,721.1               | 6,717.2               | 7.3              | 18.2          | -163.47               | -82.8                               | 463.7           | 756.3                  | 731.1                   | 25.24                     | 29.962            |                    |          |
| 6,800.0                                                                                        | 6,788.4               | 6,833.6               | 6,829.4               | 7.4              | 18.6          | -163.39               | -86.2                               | 457.8           | 758.2                  | 732.4                   | 25.72                     | 29.481            |                    |          |
| 6,900.0                                                                                        | 6,888.1               | 6,930.2               | 6,925.8               | 7.5              | 18.9          | -163.38               | -88.5                               | 452.1           | 759.4                  | 733.3                   | 26.15                     | 29.043            |                    |          |
| 7,000.0                                                                                        | 6,987.9               | 7,022.4               | 7,018.0               | 7.6              | 19.2          | -163.39               | -90.3                               | 447.7           | 761.7                  | 735.2                   | 26.57                     | 28.670            |                    |          |
| 7,100.0                                                                                        | 7,087.6               | 7,119.7               | 7,115.1               | 7.7              | 19.6          | -163.34               | -93.1                               | 443.6           | 764.7                  | 737.7                   | 27.01                     | 28.315            |                    |          |
| 7,200.0                                                                                        | 7,187.3               | 7,217.5               | 7,212.8               | 7.8              | 19.9          | -163.21               | -97.0                               | 439.7           | 767.9                  | 740.4                   | 27.45                     | 27.974            |                    |          |
| 7,300.0                                                                                        | 7,287.0               | 7,327.5               | 7,322.6               | 7.9              | 20.3          | -163.07               | -101.2                              | 435.3           | 771.0                  | 743.1                   | 27.93                     | 27.606            |                    |          |
| 7,400.0                                                                                        | 7,386.7               | 7,421.9               | 7,416.8               | 8.0              | 20.6          | -162.96               | -104.8                              | 430.4           | 773.0                  | 744.6                   | 28.36                     | 27.253            |                    |          |
| 7,500.0                                                                                        | 7,486.5               | 7,518.4               | 7,513.2               | 8.1              | 20.9          | -162.96               | -107.0                              | 426.7           | 776.2                  | 747.4                   | 28.80                     | 26.949            |                    |          |
| 7,600.0                                                                                        | 7,586.2               | 7,641.9               | 7,636.5               | 8.2              | 21.3          | -162.92               | -110.2                              | 420.3           | 778.3                  | 749.0                   | 29.32                     | 26.546            |                    |          |
| 7,700.0                                                                                        | 7,685.9               | 7,749.2               | 7,743.4               | 8.3              | 21.5          | -162.90               | -112.8                              | 412.3           | 778.0                  | 748.4                   | 29.56                     | 26.315            |                    |          |
| 7,800.0                                                                                        | 7,785.6               | 7,900.7               | 7,888.6               | 8.4              | 21.5          | -165.93               | -75.3                               | 394.1           | 772.8                  | 743.2                   | 29.58                     | 26.125            |                    |          |
| 7,900.0                                                                                        | 7,885.4               | 7,963.7               | 7,947.5               | 8.5              | 21.5          | -167.58               | -54.5                               | 386.4           | 769.2                  | 739.5                   | 29.72                     | 25.884            |                    |          |
| 8,000.0                                                                                        | 7,985.1               | 8,061.7               | 8,038.2               | 8.7              | 21.5          | -170.38               | -19.3                               | 374.8           | 767.9                  | 738.1                   | 29.80                     | 25.767            |                    |          |
| 8,100.0                                                                                        | 8,084.8               | 8,184.5               | 8,144.3               | 8.8              | 21.6          | -175.00               | 39.4                                | 356.6           | 767.8                  | 738.0                   | 29.84                     | 25.732            |                    |          |
| 8,171.1                                                                                        | 8,155.7               | 8,266.4               | 8,209.3               | 8.9              | 21.6          | -178.71               | 86.0                                | 339.4           | 767.2                  | 737.3                   | 29.87                     | 25.685            |                    |          |
| 8,200.0                                                                                        | 8,184.5               | 8,288.0               | 8,225.8               | 8.9              | 21.6          | -179.75               | 99.1                                | 334.5           | 767.4                  | 737.5                   | 29.90                     | 25.669 SF         |                    |          |
| 8,300.0                                                                                        | 8,284.2               | 8,350.0               | 8,271.0               | 9.0              | 21.7          | 177.09                | 139.0                               | 320.0           | 772.5                  | 742.4                   | 30.02                     | 25.735            |                    |          |
| 8,400.0                                                                                        | 8,384.0               | 8,390.4               | 8,298.3               | 9.1              | 21.7          | 174.90                | 167.3                               | 311.0           | 785.9                  | 755.7                   | 30.19                     | 26.030            |                    |          |
| 8,500.0                                                                                        | 8,483.7               | 8,433.9               | 8,325.5               | 9.2              | 21.7          | 172.43                | 199.9                               | 301.5           | 808.1                  | 777.7                   | 30.39                     | 26.591            |                    |          |
| 8,600.0                                                                                        | 8,583.4               | 8,486.1               | 8,356.3               | 9.3              | 21.8          | 169.42                | 240.4                               | 289.8           | 838.1                  | 807.5                   | 30.59                     | 27.395            |                    |          |
| 8,700.0                                                                                        | 8,683.1               | 8,527.9               | 8,379.9               | 9.5              | 21.8          | 167.02                | 273.6                               | 280.3           | 875.4                  | 844.6                   | 30.84                     | 28.389            |                    |          |
| 8,800.0                                                                                        | 8,782.8               | 8,569.0               | 8,401.8               | 9.6              | 21.8          | 164.66                | 307.0                               | 270.8           | 919.7                  | 888.6                   | 31.09                     | 29.579            |                    |          |
| 8,900.0                                                                                        | 8,882.6               | 8,606.2               | 8,421.4               | 9.7              | 21.9          | 162.58                | 337.5                               | 262.5           | 970.2                  | 938.8                   | 31.36                     | 30.939            |                    |          |
| 9,000.0                                                                                        | 8,982.3               | 8,683.6               | 8,463.0               | 9.8              | 22.0          | 158.48                | 400.6                               | 245.8           | 1,025.0                | 993.3                   | 31.60                     | 32.432            |                    |          |
| 9,100.0                                                                                        | 9,082.0               | 8,727.0               | 8,485.8               | 9.9              | 22.1          | 156.26                | 436.1                               | 235.5           | 1,083.3                | 1,051.4                 | 31.89                     | 33.975            |                    |          |
| 9,200.0                                                                                        | 9,181.7               | 8,764.7               | 8,504.9               | 10.0             | 22.1          | 154.37                | 467.3                               | 226.5           | 1,145.7                | 1,113.5                 | 32.18                     | 35.606            |                    |          |
| 9,300.0                                                                                        | 9,281.4               | 8,806.4               | 8,525.7               | 10.2             | 22.2          | 152.35                | 502.0                               | 216.4           | 1,211.4                | 1,179.0                 | 32.48                     | 37.303            |                    |          |
| 9,400.0                                                                                        | 9,381.2               | 8,839.9               | 8,542.2               | 10.3             | 22.3          | 150.78                | 530.0                               | 208.4           | 1,280.0                | 1,247.2                 | 32.78                     | 39.050            |                    |          |
| 9,500.0                                                                                        | 9,480.9               | 8,853.0               | 8,548.5               | 10.4             | 22.3          | 150.17                | 541.1                               | 205.2           | 1,351.6                | 1,318.6                 | 33.07                     | 40.870            |                    |          |
| 9,600.0                                                                                        | 9,580.6               | 8,884.0               | 8,562.4               | 10.5             | 22.4          | 148.75                | 567.7                               | 197.7           | 1,426.1                | 1,392.8                 | 33.38                     | 42.723            |                    |          |
| 9,700.0                                                                                        | 9,680.3               | 8,884.0               | 8,562.4               | 10.6             | 22.4          | 148.75                | 567.7                               | 197.7           | 1,503.1                | 1,469.4                 | 33.66                     | 44.653            |                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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> ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM 504H - ST02 - ST02    |                              |                              |                              |                         |                      |                              |                                            |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> | 0.0 usft |
| <b>Survey Program:</b> 139-MWD+IFR1+FDIR, 2087-MWD+IFR1+FDIR, 7725-MWD+IFR1+FDIR, 13810-MWD+IFR1+FDIR |                              |                              |                              |                         |                      |                              |                                            |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> | 3.0 usft |
| <b>Reference</b>                                                                                      |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Distance</b>              |                                            |                     |                               |                                |                                  |                          |                           |          |
| <b>Measured Depth (usft)</b>                                                                          | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre +N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>            |          |
| 9,800.0                                                                                               | 9,780.1                      | 8,915.0                      | 8,575.4                      | 10.8                    | 22.4                 | 147.37                       | 595.0                                      | 190.5               | 1,582.3                       | 1,548.3                        | 33.98                            | 46.561                   |                           |          |
| 9,900.0                                                                                               | 9,879.8                      | 8,931.5                      | 8,582.1                      | 10.9                    | 22.5                 | 146.65                       | 609.6                                      | 186.8               | 1,663.1                       | 1,628.8                        | 34.29                            | 48.502                   |                           |          |
| 10,000.0                                                                                              | 9,979.5                      | 8,971.3                      | 8,598.0                      | 11.0                    | 22.5                 | 144.97                       | 645.0                                      | 177.7               | 1,745.4                       | 1,710.7                        | 34.64                            | 50.385                   |                           |          |
| 10,100.0                                                                                              | 10,079.2                     | 9,019.6                      | 8,617.6                      | 11.1                    | 22.7                 | 143.03                       | 687.6                                      | 166.5               | 1,828.2                       | 1,793.2                        | 35.02                            | 52.208                   |                           |          |
| 10,200.0                                                                                              | 10,178.9                     | 9,041.0                      | 8,626.2                      | 11.2                    | 22.7                 | 142.20                       | 706.6                                      | 161.5               | 1,912.0                       | 1,876.7                        | 35.36                            | 54.079                   |                           |          |
| 10,300.0                                                                                              | 10,278.7                     | 9,053.1                      | 8,630.9                      | 11.4                    | 22.7                 | 141.75                       | 717.4                                      | 158.8               | 1,997.1                       | 1,961.4                        | 35.68                            | 55.965                   |                           |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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         |                       | ADMIRAL FEDERAL PROJECT (ATLAS 2529) - ADMIRAL FEDERAL COM 505H - OWB - AWP |                       |                 |        |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------------------------------------------------------------|-----------------------|-----------------|--------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program:       |                       | 142-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       | Offset | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 0.0                   | 0.0                   | 0.0                                                                         | 0.0                   | 3.0             | 3.0    | 90.88                 | -8.6                                | 560.2        | 560.3                  |                         |                           |                   |                    |          |
| 100.0                 | 100.0                 | 94.1                                                                        | 94.1                  | 3.0             | 3.0    | 90.91                 | -8.9                                | 560.4        | 560.5                  | 554.5                   | 6.00                      | 93.368            |                    |          |
| 200.0                 | 200.0                 | 194.9                                                                       | 194.9                 | 3.0             | 3.0    | 91.01                 | -9.9                                | 561.0        | 561.1                  | 555.1                   | 6.03                      | 93.088            |                    |          |
| 300.0                 | 300.0                 | 294.0                                                                       | 294.0                 | 3.0             | 3.1    | 91.08                 | -10.6                               | 561.2        | 561.4                  | 555.3                   | 6.10                      | 92.078            |                    |          |
| 400.0                 | 400.0                 | 392.5                                                                       | 392.5                 | 3.0             | 3.2    | 91.09                 | -10.7                               | 562.0        | 562.1                  | 555.9                   | 6.20                      | 90.612            |                    |          |
| 500.0                 | 500.0                 | 485.1                                                                       | 485.1                 | 3.1             | 3.3    | 91.07                 | -10.5                               | 563.1        | 563.4                  | 557.0                   | 6.33                      | 88.929            |                    |          |
| 600.0                 | 600.0                 | 578.1                                                                       | 578.0                 | 3.1             | 3.5    | 91.03                 | -10.2                               | 565.7        | 566.1                  | 559.6                   | 6.50                      | 87.160            |                    |          |
| 700.0                 | 700.0                 | 676.9                                                                       | 676.7                 | 3.1             | 3.7    | 90.98                 | -9.7                                | 569.3        | 569.7                  | 563.0                   | 6.69                      | 85.099            |                    |          |
| 800.0                 | 800.0                 | 779.2                                                                       | 779.0                 | 3.2             | 3.9    | 90.88                 | -8.8                                | 572.7        | 573.0                  | 566.1                   | 6.93                      | 82.720            |                    |          |
| 900.0                 | 900.0                 | 882.5                                                                       | 882.3                 | 3.2             | 4.1    | 90.77                 | -7.8                                | 575.6        | 575.8                  | 568.7                   | 7.18                      | 80.147            |                    |          |
| 1,000.0               | 1,000.0               | 979.1                                                                       | 978.8                 | 3.2             | 4.4    | 90.85                 | -8.6                                | 578.4        | 578.7                  | 571.3                   | 7.44                      | 77.758            |                    |          |
| 1,100.0               | 1,100.0               | 1,079.5                                                                     | 1,079.1               | 3.3             | 4.6    | 91.08                 | -11.0                               | 581.4        | 581.8                  | 574.1                   | 7.73                      | 75.301            |                    |          |
| 1,200.0               | 1,200.0               | 1,179.3                                                                     | 1,178.9               | 3.4             | 4.9    | 91.26                 | -12.9                               | 584.5        | 584.9                  | 576.9                   | 8.02                      | 72.910            |                    |          |
| 1,300.0               | 1,300.0               | 1,278.7                                                                     | 1,278.2               | 3.4             | 5.2    | 91.42                 | -14.6                               | 587.5        | 587.9                  | 579.6                   | 8.33                      | 70.599            |                    |          |
| 1,400.0               | 1,400.0               | 1,374.6                                                                     | 1,374.1               | 3.5             | 5.5    | 91.57                 | -16.2                               | 590.8        | 591.4                  | 582.8                   | 8.63                      | 68.514            |                    |          |
| 1,500.0               | 1,500.0               | 1,469.8                                                                     | 1,469.2               | 3.5             | 5.8    | 91.70                 | -17.6                               | 594.8        | 595.7                  | 586.8                   | 8.94                      | 66.621            |                    |          |
| 1,600.0               | 1,600.0               | 1,568.4                                                                     | 1,567.6               | 3.6             | 6.1    | 91.83                 | -19.2                               | 599.6        | 600.6                  | 591.3                   | 9.27                      | 64.785            |                    |          |
| 1,700.0               | 1,700.0               | 1,671.7                                                                     | 1,670.8               | 3.7             | 6.4    | 92.15                 | -22.7                               | 604.3        | 605.3                  | 595.6                   | 9.62                      | 62.903            |                    |          |
| 1,800.0               | 1,800.0               | 1,774.3                                                                     | 1,773.2               | 3.8             | 6.7    | 92.53                 | -26.9                               | 608.2        | 609.2                  | 599.3                   | 9.98                      | 61.066            |                    |          |
| 1,900.0               | 1,900.0               | 1,874.4                                                                     | 1,873.1               | 3.9             | 7.1    | 92.89                 | -30.9                               | 611.9        | 613.1                  | 602.8                   | 10.33                     | 59.368            |                    |          |
| 2,000.0               | 2,000.0               | 1,978.0                                                                     | 1,976.6               | 3.9             | 7.4    | 93.20                 | -34.4                               | 615.5        | 616.8                  | 606.1                   | 10.70                     | 57.669            |                    |          |
| 2,100.0               | 2,100.0               | 2,083.6                                                                     | 2,082.2               | 4.0             | 7.8    | 93.53                 | -38.1                               | 618.3        | 619.7                  | 608.6                   | 11.07                     | 55.956            |                    |          |
| 2,200.0               | 2,200.0               | 2,179.0                                                                     | 2,177.4               | 4.1             | 8.1    | 93.78                 | -41.0                               | 620.7        | 622.3                  | 610.9                   | 11.42                     | 54.489            |                    |          |
| 2,300.0               | 2,300.0               | 2,269.5                                                                     | 2,267.9               | 4.2             | 8.4    | 93.96                 | -43.2                               | 624.0        | 626.2                  | 614.4                   | 11.75                     | 53.270            |                    |          |
| 2,400.0               | 2,400.0               | 2,359.2                                                                     | 2,357.4               | 4.3             | 8.7    | 94.19                 | -46.0                               | 628.7        | 631.6                  | 619.5                   | 12.09                     | 52.254            |                    |          |
| 2,500.0               | 2,500.0               | 2,458.2                                                                     | 2,456.2               | 4.4             | 9.0    | 94.50                 | -49.9                               | 634.8        | 638.1                  | 625.6                   | 12.46                     | 51.215            |                    |          |
| 2,600.0               | 2,600.0               | 2,556.4                                                                     | 2,554.0               | 4.4             | 9.4    | -158.13               | -54.0                               | 640.9        | 646.2                  | 633.3                   | 12.83                     | 50.348            |                    |          |
| 2,700.0               | 2,699.8               | 2,648.0                                                                     | 2,645.3               | 4.5             | 9.7    | -157.87               | -58.2                               | 647.1        | 658.2                  | 645.0                   | 13.19                     | 49.895            |                    |          |
| 2,713.9               | 2,713.7               | 2,662.0                                                                     | 2,659.3               | 4.5             | 9.7    | -157.84               | -58.9                               | 648.2        | 660.2                  | 647.0                   | 13.25                     | 49.840            |                    |          |
| 2,800.0               | 2,799.6               | 2,741.7                                                                     | 2,738.7               | 4.5             | 10.0   | -157.77               | -62.5                               | 654.5        | 673.3                  | 659.7                   | 13.56                     | 49.643            |                    |          |
| 2,900.0               | 2,899.3               | 2,842.4                                                                     | 2,838.9               | 4.5             | 10.3   | -157.69               | -67.0                               | 662.7        | 688.6                  | 674.7                   | 13.97                     | 49.306            |                    |          |
| 3,000.0               | 2,999.0               | 2,951.6                                                                     | 2,947.7               | 4.5             | 10.7   | -157.64               | -71.4                               | 670.6        | 703.1                  | 688.7                   | 14.41                     | 48.793            |                    |          |
| 3,100.0               | 3,098.7               | 3,050.4                                                                     | 3,046.3               | 4.5             | 11.1   | -157.64               | -74.9                               | 677.1        | 716.8                  | 702.0                   | 14.81                     | 48.389            |                    |          |
| 3,200.0               | 3,198.4               | 3,150.5                                                                     | 3,146.1               | 4.6             | 11.4   | -157.62               | -78.5                               | 683.7        | 730.6                  | 715.3                   | 15.23                     | 47.979            |                    |          |
| 3,300.0               | 3,298.2               | 3,253.4                                                                     | 3,248.7               | 4.6             | 11.8   | -157.63               | -82.0                               | 690.0        | 743.9                  | 728.2                   | 15.65                     | 47.521            |                    |          |
| 3,400.0               | 3,397.9               | 3,353.4                                                                     | 3,348.6               | 4.6             | 12.1   | -157.67               | -84.8                               | 695.9        | 756.9                  | 740.8                   | 16.07                     | 47.092            |                    |          |
| 3,500.0               | 3,497.6               | 3,454.6                                                                     | 3,449.5               | 4.7             | 12.5   | -157.72               | -87.6                               | 701.8        | 769.8                  | 753.3                   | 16.50                     | 46.662            |                    |          |
| 3,600.0               | 3,597.3               | 3,560.2                                                                     | 3,554.9               | 4.7             | 12.9   | -157.79               | -90.1                               | 707.4        | 782.2                  | 765.3                   | 16.94                     | 46.169            |                    |          |
| 3,700.0               | 3,697.1               | 3,662.8                                                                     | 3,657.4               | 4.8             | 13.2   | -157.89               | -92.0                               | 712.1        | 793.8                  | 776.4                   | 17.38                     | 45.683            |                    |          |
| 3,800.0               | 3,796.8               | 3,744.7                                                                     | 3,739.2               | 4.8             | 13.5   | -157.95               | -93.8                               | 716.3        | 806.1                  | 788.4                   | 17.74                     | 45.437            |                    |          |
| 3,900.0               | 3,896.5               | 3,831.9                                                                     | 3,826.1               | 4.9             | 13.8   | -157.94               | -97.0                               | 723.0        | 820.8                  | 802.7                   | 18.13                     | 45.284            |                    |          |
| 4,000.0               | 3,996.2               | 3,936.1                                                                     | 3,929.8               | 4.9             | 14.2   | -157.96               | -100.4                              | 731.0        | 835.7                  | 817.1                   | 18.58                     | 44.979            |                    |          |
| 4,100.0               | 4,095.9               | 4,037.6                                                                     | 4,031.1               | 5.0             | 14.5   | -158.01               | -103.1                              | 738.2        | 849.9                  | 830.9                   | 19.02                     | 44.674            |                    |          |
| 4,200.0               | 4,195.7               | 4,137.0                                                                     | 4,130.2               | 5.1             | 14.9   | -158.09               | -105.2                              | 745.3        | 864.1                  | 844.6                   | 19.46                     | 44.397            |                    |          |
| 4,300.0               | 4,295.4               | 4,240.5                                                                     | 4,233.5               | 5.1             | 15.3   | -158.19               | -107.2                              | 752.4        | 878.0                  | 858.0                   | 19.92                     | 44.082            |                    |          |
| 4,400.0               | 4,395.1               | 4,342.3                                                                     | 4,335.0               | 5.2             | 15.6   | -158.29               | -109.0                              | 758.9        | 891.4                  | 871.0                   | 20.37                     | 43.770            |                    |          |
| 4,500.0               | 4,494.8               | 4,428.0                                                                     | 4,420.4               | 5.3             | 15.9   | -158.31               | -111.6                              | 764.8        | 905.4                  | 884.6                   | 20.76                     | 43.612            |                    |          |
| 4,600.0               | 4,594.5               | 4,516.5                                                                     | 4,508.5               | 5.3             | 16.2   | -158.23               | -115.9                              | 772.0        | 920.7                  | 899.6                   | 21.17                     | 43.496            |                    |          |
| 4,700.0               | 4,694.3               | 4,624.0                                                                     | 4,615.6               | 5.4             | 16.6   | -158.11               | -121.5                              | 781.0        | 936.4                  | 914.7                   | 21.65                     | 43.245            |                    |          |
| 4,800.0               | 4,794.0               | 4,727.8                                                                     | 4,719.0               | 5.5             | 17.0   | -158.04               | -126.3                              | 788.7        | 951.0                  | 928.9                   | 22.12                     | 42.991            |                    |          |
| 4,900.0               | 4,893.7               | 4,827.5                                                                     | 4,818.3               | 5.6             | 17.4   | -157.99               | -130.5                              | 795.9        | 965.5                  | 942.9                   | 22.58                     | 42.763            |                    |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-----------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 142-MWD+IFR1+FDIR |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 3.0 usft |
| Reference                         |                       |                       |                       | 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  |
| 5,000.0                           | 4,993.4               | 4,929.7               | 4,920.2               | 5.7              | 17.7          | -157.94               | -134.8                              | 803.0        | 979.7                  | 956.7                   | 23.04                     | 42.518             |          |
| 5,100.0                           | 5,093.2               | 5,033.5               | 5,023.6               | 5.7              | 18.1          | -157.90               | -139.0                              | 809.8        | 993.5                  | 970.0                   | 23.51                     | 42.252             |          |
| 5,200.0                           | 5,192.9               | 5,135.7               | 5,125.6               | 5.8              | 18.5          | -157.87               | -142.9                              | 816.2        | 1,006.9                | 982.9                   | 23.98                     | 41.989             |          |
| 5,300.0                           | 5,292.6               | 5,241.6               | 5,231.2               | 5.9              | 18.8          | -157.83               | -147.0                              | 822.4        | 1,019.9                | 995.5                   | 24.46                     | 41.700             |          |
| 5,400.0                           | 5,392.3               | 5,349.6               | 5,339.0               | 6.0              | 19.2          | -157.77               | -151.6                              | 827.6        | 1,032.0                | 1,007.1                 | 24.94                     | 41.373             |          |
| 5,500.0                           | 5,492.0               | 5,443.4               | 5,432.7               | 6.1              | 19.6          | -157.74               | -155.3                              | 832.0        | 1,043.9                | 1,018.5                 | 25.39                     | 41.121             |          |
| 5,600.0                           | 5,591.8               | 5,547.4               | 5,536.4               | 6.2              | 19.9          | -157.79               | -157.8                              | 837.4        | 1,056.2                | 1,030.3                 | 25.86                     | 40.846             |          |
| 5,700.0                           | 5,691.5               | 5,662.0               | 5,650.9               | 6.3              | 20.3          | -157.81               | -161.0                              | 842.0        | 1,067.3                | 1,041.0                 | 26.36                     | 40.486             |          |
| 5,800.0                           | 5,791.2               | 5,738.0               | 5,726.8               | 6.4              | 20.6          | -157.83               | -163.2                              | 845.3        | 1,078.8                | 1,052.1                 | 26.75                     | 40.328             |          |
| 5,900.0                           | 5,890.9               | 5,830.2               | 5,818.8               | 6.5              | 21.0          | -157.86               | -165.6                              | 850.8        | 1,091.9                | 1,064.7                 | 27.19                     | 40.158             |          |
| 6,000.0                           | 5,990.6               | 5,935.5               | 5,924.0               | 6.6              | 21.3          | -157.90               | -168.3                              | 857.1        | 1,104.9                | 1,077.2                 | 27.67                     | 39.928             |          |
| 6,100.0                           | 6,090.4               | 6,042.4               | 6,030.6               | 6.6              | 21.7          | -157.93               | -171.3                              | 862.6        | 1,117.2                | 1,089.0                 | 28.16                     | 39.675             |          |
| 6,200.0                           | 6,190.1               | 6,105.5               | 6,093.5               | 6.7              | 21.9          | -157.93               | -173.5                              | 866.7        | 1,130.8                | 1,102.3                 | 28.51                     | 39.666             |          |
| 6,300.0                           | 6,289.8               | 6,181.7               | 6,169.3               | 6.8              | 22.2          | -157.88               | -177.1                              | 873.7        | 1,147.2                | 1,118.3                 | 28.90                     | 39.699             |          |
| 6,400.0                           | 6,389.5               | 6,278.6               | 6,265.6               | 6.9              | 22.6          | -157.82               | -181.9                              | 883.5        | 1,164.6                | 1,135.2                 | 29.36                     | 39.664             |          |
| 6,500.0                           | 6,489.3               | 6,384.9               | 6,371.3               | 7.0              | 23.0          | -157.76               | -187.2                              | 893.7        | 1,181.4                | 1,151.6                 | 29.86                     | 39.567             |          |
| 6,600.0                           | 6,589.0               | 6,488.8               | 6,474.6               | 7.2              | 23.3          | -157.71               | -191.9                              | 903.2        | 1,197.8                | 1,167.4                 | 30.35                     | 39.468             |          |
| 6,700.0                           | 6,688.7               | 6,601.5               | 6,586.9               | 7.3              | 23.7          | -157.66               | -197.1                              | 912.7        | 1,213.4                | 1,182.6                 | 30.87                     | 39.312             |          |
| 6,800.0                           | 6,788.4               | 6,715.4               | 6,700.4               | 7.4              | 24.2          | -157.62               | -201.9                              | 920.9        | 1,227.9                | 1,196.5                 | 31.39                     | 39.123             |          |
| 6,900.0                           | 6,888.1               | 6,828.4               | 6,813.0               | 7.5              | 24.6          | -157.60               | -206.0                              | 927.5        | 1,240.9                | 1,209.0                 | 31.90                     | 38.902             |          |
| 7,000.0                           | 6,987.9               | 6,932.6               | 6,917.0               | 7.6              | 24.9          | -157.62               | -209.3                              | 933.3        | 1,253.5                | 1,221.1                 | 32.38                     | 38.711             |          |
| 7,100.0                           | 7,087.6               | 7,072.8               | 7,057.1               | 7.7              | 25.4          | -157.68               | -212.3                              | 938.7        | 1,264.6                | 1,231.6                 | 32.96                     | 38.367             |          |
| 7,200.0                           | 7,187.3               | 7,151.2               | 7,135.4               | 7.8              | 25.7          | -157.74               | -213.4                              | 940.9        | 1,274.4                | 1,241.1                 | 33.37                     | 38.187             |          |
| 7,300.0                           | 7,287.0               | 7,252.1               | 7,236.2               | 7.9              | 26.1          | -157.84               | -214.4                              | 944.8        | 1,285.3                | 1,251.5                 | 33.84                     | 37.977             |          |
| 7,400.0                           | 7,386.7               | 7,339.0               | 7,323.1               | 8.0              | 26.4          | -157.92               | -215.4                              | 948.3        | 1,296.3                | 1,262.0                 | 34.28                     | 37.816             |          |
| 7,500.0                           | 7,486.5               | 7,438.5               | 7,422.5               | 8.1              | 26.7          | -157.96               | -217.7                              | 952.9        | 1,308.0                | 1,273.2                 | 34.75                     | 37.639             |          |
| 7,600.0                           | 7,586.2               | 7,575.0               | 7,558.8               | 8.2              | 27.2          | -158.03               | -220.4                              | 957.4        | 1,318.4                | 1,283.1                 | 35.31                     | 37.333             |          |
| 7,700.0                           | 7,685.9               | 7,692.1               | 7,676.0               | 8.3              | 27.6          | -158.12               | -221.4                              | 958.0        | 1,325.9                | 1,290.1                 | 35.82                     | 37.018             |          |
| 7,800.0                           | 7,785.6               | 7,782.9               | 7,766.8               | 8.4              | 28.0          | -158.18               | -222.6                              | 958.8        | 1,333.7                | 1,297.4                 | 36.26                     | 36.780             |          |
| 7,900.0                           | 7,885.4               | 7,877.8               | 7,861.6               | 8.5              | 28.3          | -158.36               | -221.2                              | 960.2        | 1,342.0                | 1,305.3                 | 36.71                     | 36.558             |          |
| 8,000.0                           | 7,985.1               | 7,984.8               | 7,968.4               | 8.7              | 28.6          | -158.75               | -215.3                              | 962.1        | 1,350.3                | 1,313.1                 | 37.17                     | 36.328             |          |
| 8,100.0                           | 8,084.8               | 8,077.7               | 8,061.0               | 8.8              | 28.9          | -159.13               | -208.8                              | 963.7        | 1,358.5                | 1,320.9                 | 37.60                     | 36.131             |          |
| 8,200.0                           | 8,184.5               | 8,175.0               | 8,156.9               | 8.9              | 29.3          | -159.93               | -192.4                              | 965.8        | 1,366.7                | 1,328.7                 | 38.03                     | 35.940             |          |
| 8,300.0                           | 8,284.2               | 8,222.0               | 8,202.0               | 9.0              | 29.4          | -160.52               | -179.7                              | 968.2        | 1,377.6                | 1,339.3                 | 38.35                     | 35.922             |          |
| 8,400.0                           | 8,384.0               | 8,331.0               | 8,304.8               | 9.1              | 29.8          | -162.11               | -144.2                              | 975.1        | 1,390.5                | 1,351.7                 | 38.79                     | 35.843             |          |
| 8,500.0                           | 8,483.7               | 8,488.0               | 8,448.6               | 9.2              | 30.2          | -164.82               | -81.7                               | 977.2        | 1,398.7                | 1,359.4                 | 39.31                     | 35.583 SF          |          |
| 8,600.0                           | 8,583.4               | 8,520.0               | 8,476.3               | 9.3              | 30.3          | -165.50               | -65.5                               | 977.6        | 1,410.4                | 1,370.8                 | 39.60                     | 35.621             |          |
| 8,700.0                           | 8,683.1               | 8,551.0               | 8,502.5               | 9.5              | 30.4          | -166.19               | -49.2                               | 979.3        | 1,427.5                | 1,387.6                 | 39.86                     | 35.810             |          |
| 8,800.0                           | 8,782.8               | 8,583.0               | 8,528.8               | 9.6              | 30.5          | -166.93               | -31.2                               | 982.3        | 1,449.7                | 1,409.6                 | 40.11                     | 36.140             |          |
| 8,900.0                           | 8,882.6               | 8,614.0               | 8,553.2               | 9.7              | 30.6          | -167.70               | -12.4                               | 986.0        | 1,476.8                | 1,436.4                 | 40.34                     | 36.604             |          |
| 9,000.0                           | 8,982.3               | 8,645.0               | 8,576.2               | 9.8              | 30.7          | -168.51               | 7.9                                 | 990.3        | 1,508.6                | 1,468.0                 | 40.56                     | 37.197             |          |
| 9,100.0                           | 9,082.0               | 8,658.8               | 8,586.0               | 9.9              | 30.7          | -168.89               | 17.3                                | 992.4        | 1,545.0                | 1,504.3                 | 40.71                     | 37.952             |          |
| 9,200.0                           | 9,181.7               | 8,676.0               | 8,597.7               | 10.0             | 30.8          | -169.37               | 29.7                                | 995.3        | 1,586.0                | 1,545.1                 | 40.85                     | 38.823             |          |
| 9,300.0                           | 9,281.4               | 8,707.0               | 8,617.5               | 10.2             | 30.8          | -170.28               | 52.9                                | 1,000.5      | 1,631.1                | 1,590.1                 | 41.02                     | 39.764             |          |
| 9,400.0                           | 9,381.2               | 8,728.4               | 8,630.4               | 10.3             | 30.9          | -170.93               | 69.6                                | 1,004.2      | 1,680.2                | 1,639.0                 | 41.15                     | 40.832             |          |
| 9,500.0                           | 9,480.9               | 8,739.0               | 8,636.5               | 10.4             | 30.9          | -171.25               | 78.0                                | 1,006.2      | 1,733.0                | 1,691.8                 | 41.24                     | 42.027             |          |
| 9,600.0                           | 9,580.6               | 8,770.0               | 8,653.6               | 10.5             | 31.0          | -172.20               | 103.2                               | 1,012.2      | 1,789.5                | 1,748.1                 | 41.38                     | 43.244             |          |
| 9,700.0                           | 9,680.3               | 8,770.0               | 8,653.6               | 10.6             | 31.0          | -172.20               | 103.2                               | 1,012.2      | 1,849.1                | 1,807.7                 | 41.42                     | 44.639             |          |
| 9,800.0                           | 9,780.1               | 8,783.3               | 8,660.3               | 10.8             | 31.0          | -172.61               | 114.3                               | 1,015.0      | 1,911.9                | 1,870.4                 | 41.51                     | 46.061             |          |
| 9,900.0                           | 9,879.8               | 8,801.0               | 8,668.8               | 10.9             | 31.0          | -173.17               | 129.4                               | 1,018.9      | 1,977.6                | 1,936.0                 | 41.61                     | 47.527             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 142-MWD+IFR1+FDIR, 9097-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           | 90.88                 | -8.6                                | 560.2        | 560.3                  |                         |                           |                    |          |
| 100.0                                                 | 100.0                 | 94.1                  | 94.1                  | 3.0              | 3.0           | 90.91                 | -8.9                                | 560.4        | 560.5                  | 554.5                   | 6.00                      | 93.368             |          |
| 200.0                                                 | 200.0                 | 194.9                 | 194.9                 | 3.0              | 3.0           | 91.01                 | -9.9                                | 561.0        | 561.1                  | 555.1                   | 6.03                      | 93.088             |          |
| 300.0                                                 | 300.0                 | 294.0                 | 294.0                 | 3.0              | 3.1           | 91.08                 | -10.6                               | 561.2        | 561.4                  | 555.3                   | 6.10                      | 92.078             |          |
| 400.0                                                 | 400.0                 | 392.5                 | 392.5                 | 3.0              | 3.2           | 91.09                 | -10.7                               | 562.0        | 562.1                  | 555.9                   | 6.20                      | 90.612             |          |
| 500.0                                                 | 500.0                 | 485.1                 | 485.1                 | 3.1              | 3.3           | 91.07                 | -10.5                               | 563.1        | 563.4                  | 557.0                   | 6.33                      | 88.929             |          |
| 600.0                                                 | 600.0                 | 578.1                 | 578.0                 | 3.1              | 3.5           | 91.03                 | -10.2                               | 565.7        | 566.1                  | 559.6                   | 6.50                      | 87.160             |          |
| 700.0                                                 | 700.0                 | 676.9                 | 676.7                 | 3.1              | 3.7           | 90.98                 | -9.7                                | 569.3        | 569.7                  | 563.0                   | 6.69                      | 85.099             |          |
| 800.0                                                 | 800.0                 | 779.2                 | 779.0                 | 3.2              | 3.9           | 90.88                 | -8.8                                | 572.7        | 573.0                  | 566.1                   | 6.93                      | 82.720             |          |
| 900.0                                                 | 900.0                 | 882.5                 | 882.3                 | 3.2              | 4.1           | 90.77                 | -7.8                                | 575.6        | 575.8                  | 568.7                   | 7.18                      | 80.147             |          |
| 1,000.0                                               | 1,000.0               | 979.1                 | 978.8                 | 3.2              | 4.4           | 90.85                 | -8.6                                | 578.4        | 578.7                  | 571.3                   | 7.44                      | 77.758             |          |
| 1,100.0                                               | 1,100.0               | 1,079.5               | 1,079.1               | 3.3              | 4.6           | 91.08                 | -11.0                               | 581.4        | 581.8                  | 574.1                   | 7.73                      | 75.301             |          |
| 1,200.0                                               | 1,200.0               | 1,179.3               | 1,178.9               | 3.4              | 4.9           | 91.26                 | -12.9                               | 584.5        | 584.9                  | 576.9                   | 8.02                      | 72.910             |          |
| 1,300.0                                               | 1,300.0               | 1,278.7               | 1,278.2               | 3.4              | 5.2           | 91.42                 | -14.6                               | 587.5        | 587.9                  | 579.6                   | 8.33                      | 70.599             |          |
| 1,400.0                                               | 1,400.0               | 1,374.6               | 1,374.1               | 3.5              | 5.5           | 91.57                 | -16.2                               | 590.8        | 591.4                  | 582.8                   | 8.63                      | 68.514             |          |
| 1,500.0                                               | 1,500.0               | 1,469.8               | 1,469.2               | 3.5              | 5.8           | 91.70                 | -17.6                               | 594.8        | 595.7                  | 586.8                   | 8.94                      | 66.621             |          |
| 1,600.0                                               | 1,600.0               | 1,568.4               | 1,567.6               | 3.6              | 6.1           | 91.83                 | -19.2                               | 599.6        | 600.6                  | 591.3                   | 9.27                      | 64.785             |          |
| 1,700.0                                               | 1,700.0               | 1,671.7               | 1,670.8               | 3.7              | 6.4           | 92.15                 | -22.7                               | 604.3        | 605.3                  | 595.6                   | 9.62                      | 62.903             |          |
| 1,800.0                                               | 1,800.0               | 1,774.3               | 1,773.2               | 3.8              | 6.7           | 92.53                 | -26.9                               | 608.2        | 609.2                  | 599.3                   | 9.98                      | 61.066             |          |
| 1,900.0                                               | 1,900.0               | 1,874.4               | 1,873.1               | 3.9              | 7.1           | 92.89                 | -30.9                               | 611.9        | 613.1                  | 602.8                   | 10.33                     | 59.368             |          |
| 2,000.0                                               | 2,000.0               | 1,978.0               | 1,976.6               | 3.9              | 7.4           | 93.20                 | -34.4                               | 615.5        | 616.8                  | 606.1                   | 10.70                     | 57.669             |          |
| 2,100.0                                               | 2,100.0               | 2,083.6               | 2,082.2               | 4.0              | 7.8           | 93.53                 | -38.1                               | 618.3        | 619.7                  | 608.6                   | 11.07                     | 55.956             |          |
| 2,200.0                                               | 2,200.0               | 2,179.0               | 2,177.4               | 4.1              | 8.1           | 93.78                 | -41.0                               | 620.7        | 622.3                  | 610.9                   | 11.42                     | 54.489             |          |
| 2,300.0                                               | 2,300.0               | 2,269.5               | 2,267.9               | 4.2              | 8.4           | 93.96                 | -43.2                               | 624.0        | 626.2                  | 614.4                   | 11.75                     | 53.270             |          |
| 2,400.0                                               | 2,400.0               | 2,359.2               | 2,357.4               | 4.3              | 8.7           | 94.19                 | -46.0                               | 628.7        | 631.6                  | 619.5                   | 12.09                     | 52.254             |          |
| 2,500.0                                               | 2,500.0               | 2,458.2               | 2,456.2               | 4.4              | 9.0           | 94.50                 | -49.9                               | 634.8        | 638.1                  | 625.6                   | 12.46                     | 51.215             |          |
| 2,600.0                                               | 2,600.0               | 2,556.4               | 2,554.0               | 4.4              | 9.4           | -158.13               | -54.0                               | 640.9        | 646.2                  | 633.3                   | 12.83                     | 50.348             |          |
| 2,700.0                                               | 2,699.8               | 2,648.0               | 2,645.3               | 4.5              | 9.7           | -157.87               | -58.2                               | 647.1        | 658.2                  | 645.0                   | 13.19                     | 49.895             |          |
| 2,713.9                                               | 2,713.7               | 2,662.0               | 2,659.3               | 4.5              | 9.7           | -157.84               | -58.9                               | 648.2        | 660.2                  | 647.0                   | 13.25                     | 49.840             |          |
| 2,800.0                                               | 2,799.6               | 2,741.7               | 2,738.7               | 4.5              | 10.0          | -157.77               | -62.5                               | 654.5        | 673.3                  | 659.7                   | 13.56                     | 49.643             |          |
| 2,900.0                                               | 2,899.3               | 2,842.4               | 2,838.9               | 4.5              | 10.3          | -157.69               | -67.0                               | 662.7        | 688.6                  | 674.7                   | 13.97                     | 49.306             |          |
| 3,000.0                                               | 2,999.0               | 2,951.6               | 2,947.7               | 4.5              | 10.7          | -157.64               | -71.4                               | 670.6        | 703.1                  | 688.7                   | 14.41                     | 48.793             |          |
| 3,100.0                                               | 3,098.7               | 3,050.4               | 3,046.3               | 4.5              | 11.1          | -157.64               | -74.9                               | 677.1        | 716.8                  | 702.0                   | 14.81                     | 48.389             |          |
| 3,200.0                                               | 3,198.4               | 3,150.5               | 3,146.1               | 4.6              | 11.4          | -157.62               | -78.5                               | 683.7        | 730.6                  | 715.3                   | 15.23                     | 47.979             |          |
| 3,300.0                                               | 3,298.2               | 3,253.4               | 3,248.7               | 4.6              | 11.8          | -157.63               | -82.0                               | 690.0        | 743.9                  | 728.2                   | 15.65                     | 47.521             |          |
| 3,400.0                                               | 3,397.9               | 3,353.4               | 3,348.6               | 4.6              | 12.1          | -157.67               | -84.8                               | 695.9        | 756.9                  | 740.8                   | 16.07                     | 47.092             |          |
| 3,500.0                                               | 3,497.6               | 3,454.6               | 3,449.5               | 4.7              | 12.5          | -157.72               | -87.6                               | 701.8        | 769.8                  | 753.3                   | 16.50                     | 46.662             |          |
| 3,600.0                                               | 3,597.3               | 3,560.2               | 3,554.9               | 4.7              | 12.9          | -157.79               | -90.1                               | 707.4        | 782.2                  | 765.3                   | 16.94                     | 46.169             |          |
| 3,700.0                                               | 3,697.1               | 3,662.8               | 3,657.4               | 4.8              | 13.2          | -157.89               | -92.0                               | 712.1        | 793.8                  | 776.4                   | 17.38                     | 45.683             |          |
| 3,800.0                                               | 3,796.8               | 3,744.7               | 3,739.2               | 4.8              | 13.5          | -157.95               | -93.8                               | 716.3        | 806.1                  | 788.4                   | 17.74                     | 45.437             |          |
| 3,900.0                                               | 3,896.5               | 3,831.9               | 3,826.1               | 4.9              | 13.8          | -157.94               | -97.0                               | 723.0        | 820.8                  | 802.7                   | 18.13                     | 45.284             |          |
| 4,000.0                                               | 3,996.2               | 3,936.1               | 3,929.8               | 4.9              | 14.2          | -157.96               | -100.4                              | 731.0        | 835.7                  | 817.1                   | 18.58                     | 44.979             |          |
| 4,100.0                                               | 4,095.9               | 4,037.6               | 4,031.1               | 5.0              | 14.5          | -158.01               | -103.1                              | 738.2        | 849.9                  | 830.9                   | 19.02                     | 44.674             |          |
| 4,200.0                                               | 4,195.7               | 4,137.0               | 4,130.2               | 5.1              | 14.9          | -158.09               | -105.2                              | 745.3        | 864.1                  | 844.6                   | 19.46                     | 44.397             |          |
| 4,300.0                                               | 4,295.4               | 4,240.5               | 4,233.5               | 5.1              | 15.3          | -158.19               | -107.2                              | 752.4        | 878.0                  | 858.0                   | 19.92                     | 44.082             |          |
| 4,400.0                                               | 4,395.1               | 4,342.3               | 4,335.0               | 5.2              | 15.6          | -158.29               | -109.0                              | 758.9        | 891.4                  | 871.0                   | 20.37                     | 43.770             |          |
| 4,500.0                                               | 4,494.8               | 4,428.0               | 4,420.4               | 5.3              | 15.9          | -158.31               | -111.6                              | 764.8        | 905.4                  | 884.6                   | 20.76                     | 43.612             |          |
| 4,600.0                                               | 4,594.5               | 4,516.5               | 4,508.5               | 5.3              | 16.2          | -158.23               | -115.9                              | 772.0        | 920.7                  | 899.6                   | 21.17                     | 43.496             |          |
| 4,700.0                                               | 4,694.3               | 4,624.0               | 4,615.6               | 5.4              | 16.6          | -158.11               | -121.5                              | 781.0        | 936.4                  | 914.7                   | 21.65                     | 43.245             |          |
| 4,800.0                                               | 4,794.0               | 4,727.8               | 4,719.0               | 5.5              | 17.0          | -158.04               | -126.3                              | 788.7        | 951.0                  | 928.9                   | 22.12                     | 42.991             |          |
| 4,900.0                                               | 4,893.7               | 4,827.5               | 4,818.3               | 5.6              | 17.4          | -157.99               | -130.5                              | 795.9        | 965.5                  | 942.9                   | 22.58                     | 42.763             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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: | 0.0 usft |
|-------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 142-MWD+IFR1+FDIR, 9097-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  |          |
| 5,000.0                                               | 4,993.4               | 4,929.7               | 4,920.2               | 5.7              | 17.7          | -157.94               | -134.8                              | 803.0        | 979.7                  | 956.7                   | 23.04                     | 42.518             |          |
| 5,100.0                                               | 5,093.2               | 5,033.5               | 5,023.6               | 5.7              | 18.1          | -157.90               | -139.0                              | 809.8        | 993.5                  | 970.0                   | 23.51                     | 42.252             |          |
| 5,200.0                                               | 5,192.9               | 5,135.7               | 5,125.6               | 5.8              | 18.5          | -157.87               | -142.9                              | 816.2        | 1,006.9                | 982.9                   | 23.98                     | 41.989             |          |
| 5,300.0                                               | 5,292.6               | 5,241.6               | 5,231.2               | 5.9              | 18.8          | -157.83               | -147.0                              | 822.4        | 1,019.9                | 995.5                   | 24.46                     | 41.700             |          |
| 5,400.0                                               | 5,392.3               | 5,349.6               | 5,339.0               | 6.0              | 19.2          | -157.77               | -151.6                              | 827.6        | 1,032.0                | 1,007.1                 | 24.94                     | 41.373             |          |
| 5,500.0                                               | 5,492.0               | 5,443.4               | 5,432.7               | 6.1              | 19.6          | -157.74               | -155.3                              | 832.0        | 1,043.9                | 1,018.5                 | 25.39                     | 41.121             |          |
| 5,600.0                                               | 5,591.8               | 5,547.4               | 5,536.4               | 6.2              | 19.9          | -157.79               | -157.8                              | 837.4        | 1,056.2                | 1,030.3                 | 25.86                     | 40.846             |          |
| 5,700.0                                               | 5,691.5               | 5,662.0               | 5,650.9               | 6.3              | 20.3          | -157.81               | -161.0                              | 842.0        | 1,067.3                | 1,041.0                 | 26.36                     | 40.486             |          |
| 5,800.0                                               | 5,791.2               | 5,738.0               | 5,726.8               | 6.4              | 20.6          | -157.83               | -163.2                              | 845.3        | 1,078.8                | 1,052.1                 | 26.75                     | 40.328             |          |
| 5,900.0                                               | 5,890.9               | 5,830.2               | 5,818.8               | 6.5              | 21.0          | -157.86               | -165.6                              | 850.8        | 1,091.9                | 1,064.7                 | 27.19                     | 40.158             |          |
| 6,000.0                                               | 5,990.6               | 5,935.5               | 5,924.0               | 6.6              | 21.3          | -157.90               | -168.3                              | 857.1        | 1,104.9                | 1,077.2                 | 27.67                     | 39.928             |          |
| 6,100.0                                               | 6,090.4               | 6,042.4               | 6,030.6               | 6.6              | 21.7          | -157.93               | -171.3                              | 862.6        | 1,117.2                | 1,089.0                 | 28.16                     | 39.675             |          |
| 6,200.0                                               | 6,190.1               | 6,105.5               | 6,093.5               | 6.7              | 21.9          | -157.93               | -173.5                              | 866.7        | 1,130.8                | 1,102.3                 | 28.51                     | 39.666             |          |
| 6,300.0                                               | 6,289.8               | 6,181.7               | 6,169.3               | 6.8              | 22.2          | -157.88               | -177.1                              | 873.7        | 1,147.2                | 1,118.3                 | 28.90                     | 39.699             |          |
| 6,400.0                                               | 6,389.5               | 6,278.6               | 6,265.6               | 6.9              | 22.6          | -157.82               | -181.9                              | 883.5        | 1,164.6                | 1,135.2                 | 29.36                     | 39.664             |          |
| 6,500.0                                               | 6,489.3               | 6,384.9               | 6,371.3               | 7.0              | 23.0          | -157.76               | -187.2                              | 893.7        | 1,181.4                | 1,151.6                 | 29.86                     | 39.567             |          |
| 6,600.0                                               | 6,589.0               | 6,488.8               | 6,474.6               | 7.2              | 23.3          | -157.71               | -191.9                              | 903.2        | 1,197.8                | 1,167.4                 | 30.35                     | 39.468             |          |
| 6,700.0                                               | 6,688.7               | 6,601.5               | 6,586.9               | 7.3              | 23.7          | -157.66               | -197.1                              | 912.7        | 1,213.4                | 1,182.6                 | 30.87                     | 39.312             |          |
| 6,800.0                                               | 6,788.4               | 6,715.4               | 6,700.4               | 7.4              | 24.2          | -157.62               | -201.9                              | 920.9        | 1,227.9                | 1,196.5                 | 31.39                     | 39.123             |          |
| 6,900.0                                               | 6,888.1               | 6,828.4               | 6,813.0               | 7.5              | 24.6          | -157.60               | -206.0                              | 927.5        | 1,240.9                | 1,209.0                 | 31.90                     | 38.902             |          |
| 7,000.0                                               | 6,987.9               | 6,932.6               | 6,917.0               | 7.6              | 24.9          | -157.62               | -209.3                              | 933.3        | 1,253.5                | 1,221.1                 | 32.38                     | 38.711             |          |
| 7,100.0                                               | 7,087.6               | 7,072.8               | 7,057.1               | 7.7              | 25.4          | -157.68               | -212.3                              | 938.7        | 1,264.6                | 1,231.6                 | 32.96                     | 38.367             |          |
| 7,200.0                                               | 7,187.3               | 7,151.2               | 7,135.4               | 7.8              | 25.7          | -157.74               | -213.4                              | 940.9        | 1,274.4                | 1,241.1                 | 33.37                     | 38.187             |          |
| 7,300.0                                               | 7,287.0               | 7,252.1               | 7,236.2               | 7.9              | 26.1          | -157.84               | -214.4                              | 944.8        | 1,285.3                | 1,251.5                 | 33.84                     | 37.977             |          |
| 7,400.0                                               | 7,386.7               | 7,339.0               | 7,323.1               | 8.0              | 26.4          | -157.92               | -215.4                              | 948.3        | 1,296.3                | 1,262.0                 | 34.28                     | 37.816             |          |
| 7,500.0                                               | 7,486.5               | 7,438.5               | 7,422.5               | 8.1              | 26.7          | -157.96               | -217.7                              | 952.9        | 1,308.0                | 1,273.2                 | 34.75                     | 37.639             |          |
| 7,600.0                                               | 7,586.2               | 7,575.0               | 7,558.8               | 8.2              | 27.2          | -158.03               | -220.4                              | 957.4        | 1,318.4                | 1,283.1                 | 35.31                     | 37.333             |          |
| 7,700.0                                               | 7,685.9               | 7,692.1               | 7,676.0               | 8.3              | 27.6          | -158.12               | -221.4                              | 958.0        | 1,325.9                | 1,290.1                 | 35.82                     | 37.018             |          |
| 7,800.0                                               | 7,785.6               | 7,782.9               | 7,766.8               | 8.4              | 28.0          | -158.18               | -222.6                              | 958.8        | 1,333.7                | 1,297.4                 | 36.26                     | 36.780             |          |
| 7,900.0                                               | 7,885.4               | 7,877.8               | 7,861.6               | 8.5              | 28.3          | -158.36               | -221.2                              | 960.2        | 1,342.0                | 1,305.3                 | 36.71                     | 36.558             |          |
| 8,000.0                                               | 7,985.1               | 7,984.8               | 7,968.4               | 8.7              | 28.6          | -158.75               | -215.3                              | 962.1        | 1,350.3                | 1,313.1                 | 37.17                     | 36.328             |          |
| 8,100.0                                               | 8,084.8               | 8,077.7               | 8,061.0               | 8.8              | 28.9          | -159.13               | -208.8                              | 963.7        | 1,358.5                | 1,320.9                 | 37.60                     | 36.131             |          |
| 8,200.0                                               | 8,184.5               | 8,175.0               | 8,156.9               | 8.9              | 29.3          | -159.93               | -192.4                              | 965.8        | 1,366.7                | 1,328.7                 | 38.03                     | 35.940             |          |
| 8,300.0                                               | 8,284.2               | 8,222.0               | 8,202.0               | 9.0              | 29.4          | -160.52               | -179.7                              | 968.2        | 1,377.6                | 1,339.3                 | 38.35                     | 35.922             |          |
| 8,400.0                                               | 8,384.0               | 8,331.0               | 8,304.8               | 9.1              | 29.8          | -162.11               | -144.2                              | 975.1        | 1,390.5                | 1,351.7                 | 38.79                     | 35.843             |          |
| 8,500.0                                               | 8,483.7               | 8,488.0               | 8,448.6               | 9.2              | 30.2          | -164.82               | -81.7                               | 977.2        | 1,398.7                | 1,359.4                 | 39.31                     | 35.583 SF          |          |
| 8,600.0                                               | 8,583.4               | 8,520.0               | 8,476.3               | 9.3              | 30.3          | -165.50               | -65.5                               | 977.6        | 1,410.4                | 1,370.8                 | 39.60                     | 35.621             |          |
| 8,700.0                                               | 8,683.1               | 8,551.0               | 8,502.5               | 9.5              | 30.4          | -166.19               | -49.2                               | 979.3        | 1,427.5                | 1,387.6                 | 39.86                     | 35.810             |          |
| 8,800.0                                               | 8,782.8               | 8,583.0               | 8,528.8               | 9.6              | 30.5          | -166.93               | -31.2                               | 982.3        | 1,449.7                | 1,409.6                 | 40.11                     | 36.140             |          |
| 8,900.0                                               | 8,882.6               | 8,614.0               | 8,553.2               | 9.7              | 30.6          | -167.70               | -12.4                               | 986.0        | 1,476.8                | 1,436.4                 | 40.34                     | 36.604             |          |
| 9,000.0                                               | 8,982.3               | 8,645.0               | 8,576.2               | 9.8              | 30.7          | -168.51               | 7.9                                 | 990.3        | 1,508.6                | 1,468.0                 | 40.56                     | 37.197             |          |
| 9,100.0                                               | 9,082.0               | 8,658.8               | 8,586.0               | 9.9              | 30.7          | -168.89               | 17.3                                | 992.4        | 1,545.0                | 1,504.3                 | 40.71                     | 37.952             |          |
| 9,200.0                                               | 9,181.7               | 8,676.0               | 8,597.7               | 10.0             | 30.8          | -169.37               | 29.7                                | 995.3        | 1,586.0                | 1,545.1                 | 40.85                     | 38.823             |          |
| 9,300.0                                               | 9,281.4               | 8,707.0               | 8,617.5               | 10.2             | 30.8          | -170.28               | 52.9                                | 1,000.5      | 1,631.1                | 1,590.1                 | 41.02                     | 39.764             |          |
| 9,400.0                                               | 9,381.2               | 8,728.4               | 8,630.4               | 10.3             | 30.9          | -170.93               | 69.6                                | 1,004.2      | 1,680.2                | 1,639.0                 | 41.15                     | 40.832             |          |
| 9,500.0                                               | 9,480.9               | 8,739.0               | 8,636.5               | 10.4             | 30.9          | -171.25               | 78.0                                | 1,006.2      | 1,733.0                | 1,691.8                 | 41.24                     | 42.027             |          |
| 9,600.0                                               | 9,580.6               | 8,770.0               | 8,653.6               | 10.5             | 31.0          | -172.20               | 103.2                               | 1,012.2      | 1,789.5                | 1,748.1                 | 41.38                     | 43.244             |          |
| 9,700.0                                               | 9,680.3               | 8,770.0               | 8,653.6               | 10.6             | 31.0          | -172.20               | 103.2                               | 1,012.2      | 1,849.1                | 1,807.7                 | 41.42                     | 44.639             |          |
| 9,800.0                                               | 9,780.1               | 8,783.3               | 8,660.3               | 10.8             | 31.0          | -172.61               | 114.3                               | 1,015.0      | 1,911.9                | 1,870.4                 | 41.51                     | 46.061             |          |
| 9,900.0                                               | 9,879.8               | 8,801.0               | 8,668.8               | 10.9             | 31.0          | -173.17               | 129.4                               | 1,018.9      | 1,977.6                | 1,936.0                 | 41.61                     | 47.527             |          |

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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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' @ 3010.6usft (TBD)

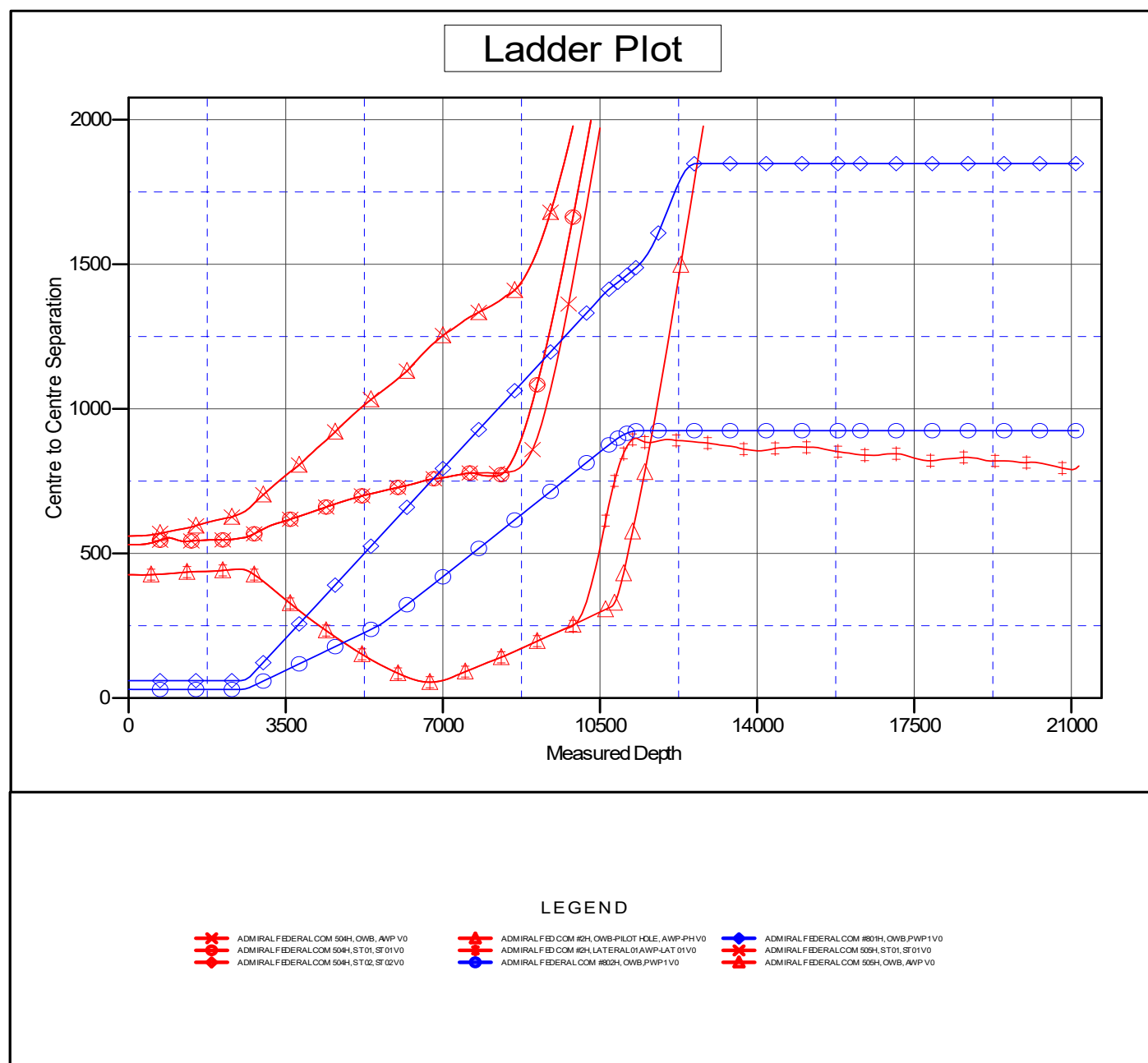
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ADMIRAL FEDERAL COM #803H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.18°



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 ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>           | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Reference Site:</b>    | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Site Error:</b>        | 0.0 usft                             | <b>North Reference:</b>             | Grid                           |
| <b>Reference Well:</b>    | ADMIRAL FEDERAL COM #803H            | <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' @ 3010.6usft (TBD)

Offset Depths are relative to Offset Datum

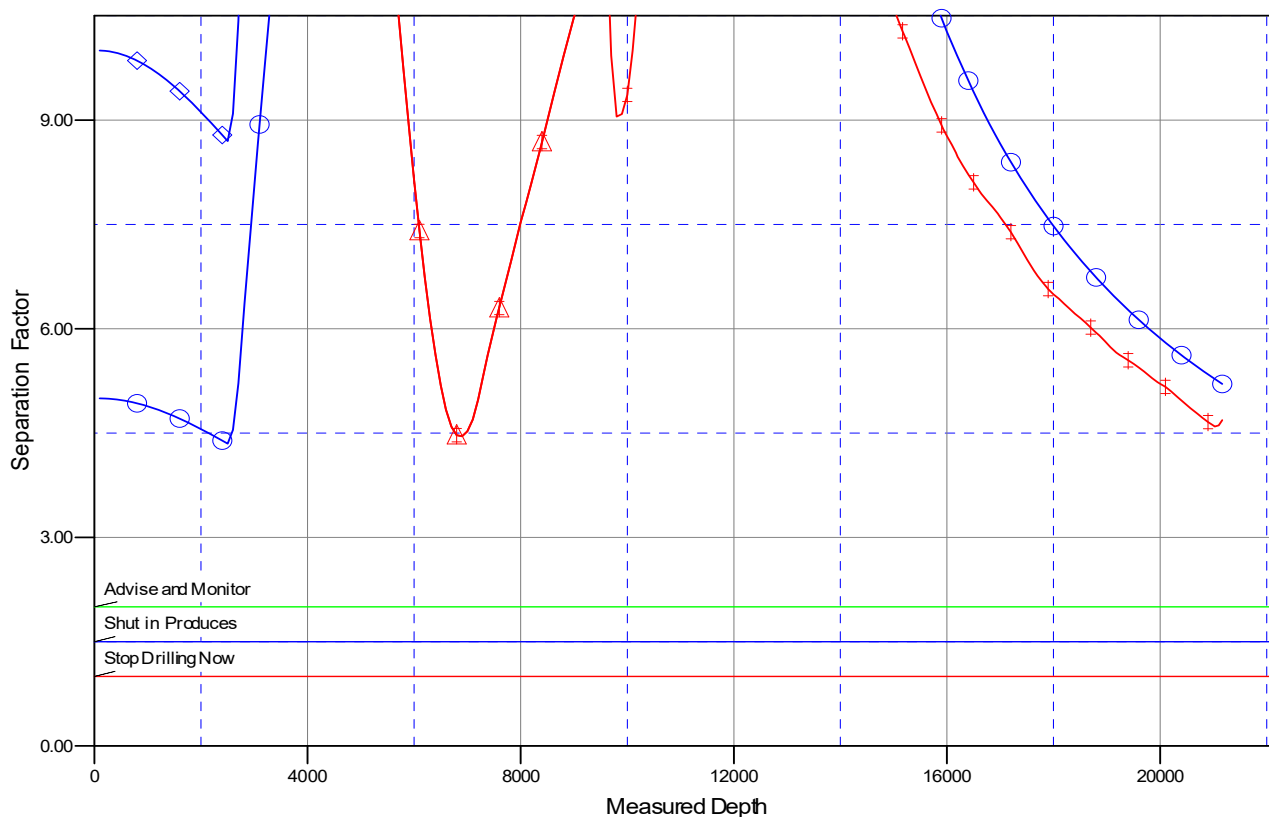
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ADMIRAL FEDERAL COM #803H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.18°

## Separation Factor Plot



## LEGEND

ADMIRAL FEDERAL COM #803H, OWB, AWP V0  
 ADMIRAL FEDERAL COM #803H, ST01, SF 01 V0  
 ADMIRAL FEDERAL COM #803H, ST02, SF 02 V0

ADMIRAL FEDERAL COM #803H, OWB-PILOT HOLE, AWP-PH V0  
 ADMIRAL FEDERAL COM #803H, LATERAL 01 AWP-LAT 01 V0  
 ADMIRAL FEDERAL COM #803H, OWB, PWP1 V0

ADMIRAL FEDERAL COM #803H, OWB, PWP1 V0  
 ADMIRAL FEDERAL COM #803H, ST01, SF 01 V0  
 ADMIRAL FEDERAL COM #803H, OWB, AWP V0

# **DELAWARE BASIN WEST**

**ATLAS PROSPECT (NM-E)**

**ADMIRAL FEDERAL PROJECT (ATLAS 2529)**

**ADMIRAL FEDERAL COM #803H**

**OWB**

**Plan: PWP1**

## **Standard Survey Report**

**14 December, 2020**

## Concho Resources LLC

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST                  | <b>Local Co-ordinate Reference:</b> | Well ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Site:</b>     | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Well:</b>     | ADMIRAL FEDERAL COM #803H            | <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>Site</b>                  | ADMIRAL FEDERAL PROJECT (ATLAS 2529) |                          |                   |
| <b>Site Position:</b>        |                                      | <b>Northing:</b>         | 398,093.60 usft   |
| <b>From:</b>                 | Map                                  | <b>Easting:</b>          | 604,917.40 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft                             | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                                      | <b>Latitude:</b>         | 32° 5' 38.480 N   |
|                              |                                      | <b>Longitude:</b>        | 103° 59' 40.340 W |
|                              |                                      | <b>Grid Convergence:</b> | 0.18 °            |

|                             |                           |          |                            |
|-----------------------------|---------------------------|----------|----------------------------|
| <b>Well</b>                 | ADMIRAL FEDERAL COM #803H |          |                            |
| <b>Well Position</b>        | <b>+N/-S</b>              | 0.0 usft | <b>Northing:</b>           |
|                             | <b>+E/-W</b>              | 0.0 usft | <b>Easting:</b>            |
| <b>Position Uncertainty</b> |                           | 3.0 usft | <b>Wellhead Elevation:</b> |
|                             |                           |          | <b>Latitude:</b>           |
|                             |                           |          | <b>Longitude:</b>          |
|                             |                           |          | <b>Ground Level:</b>       |

|                  |                   |                    |                            |
|------------------|-------------------|--------------------|----------------------------|
| <b>Wellbore</b>  | OWB               |                    |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b>     |
|                  | IGRF2020          | 10/20/2020         | 6.80                       |
|                  |                   |                    | <b>Dip Angle (°)</b>       |
|                  |                   |                    | 59.74                      |
|                  |                   |                    | <b>Field Strength (nT)</b> |
|                  |                   |                    | 47,444.93993080            |

|                          |                                |                     |                      |
|--------------------------|--------------------------------|---------------------|----------------------|
| <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>  |
|                          | 0.0                            | 0.0                 | 0.0                  |
|                          |                                |                     | <b>Direction (°)</b> |
|                          |                                |                     | 356.06               |

|                            |                  |                          |                     |                                    |
|----------------------------|------------------|--------------------------|---------------------|------------------------------------|
| <b>Survey Tool Program</b> | <b>Date</b>      | 12/10/2020               |                     |                                    |
| <b>From (usft)</b>         | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>    | <b>Description</b>                 |
| 0.0                        | 10,606.0         | PWP1 (OWB)               | Standard Keeper 104 | Standard Wireline Keeper ver 1.0.4 |
| 10,606.0                   | 21,166.2         | 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                         |

## Concho Resources LLC

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST                  | <b>Local Co-ordinate Reference:</b> | Well ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Site:</b>     | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Well:</b>     | ADMIRAL FEDERAL COM #803H            | <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) |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 1,000.0                               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0                               | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0                               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0                               | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0                               | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0                               | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0                               | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0                               | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0                               | 0.00            | 0.00        | 1,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0                               | 0.00            | 0.00        | 1,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0                               | 0.00            | 0.00        | 2,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0                               | 0.00            | 0.00        | 2,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0                               | 0.00            | 0.00        | 2,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0                               | 0.00            | 0.00        | 2,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0                               | 0.00            | 0.00        | 2,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0                               | 0.00            | 0.00        | 2,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Build 2.00</b>               |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,600.0                               | 2.00            | 252.95      | 2,600.0               | -0.5         | -1.7         | -0.4                    | 2.00                    | 2.00                   | 0.00                  |
| 2,700.0                               | 4.00            | 252.95      | 2,699.8               | -2.0         | -6.7         | -1.6                    | 2.00                    | 2.00                   | 0.00                  |
| 2,713.9                               | 4.28            | 252.95      | 2,713.7               | -2.3         | -7.6         | -1.8                    | 2.00                    | 2.00                   | 0.00                  |
| <b>Start 7892.1 hold at 2713.9 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,800.0                               | 4.28            | 252.95      | 2,799.6               | -4.2         | -13.8        | -3.3                    | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0                               | 4.28            | 252.95      | 2,899.3               | -6.4         | -20.9        | -5.0                    | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0                               | 4.28            | 252.95      | 2,999.0               | -8.6         | -28.0        | -6.7                    | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0                               | 4.28            | 252.95      | 3,098.7               | -10.8        | -35.2        | -8.3                    | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0                               | 4.28            | 252.95      | 3,198.4               | -13.0        | -42.3        | -10.0                   | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0                               | 4.28            | 252.95      | 3,298.2               | -15.2        | -49.4        | -11.7                   | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0                               | 4.28            | 252.95      | 3,397.9               | -17.4        | -56.6        | -13.4                   | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0                               | 4.28            | 252.95      | 3,497.6               | -19.5        | -63.7        | -15.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0                               | 4.28            | 252.95      | 3,597.3               | -21.7        | -70.8        | -16.8                   | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0                               | 4.28            | 252.95      | 3,697.1               | -23.9        | -78.0        | -18.5                   | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0                               | 4.28            | 252.95      | 3,796.8               | -26.1        | -85.1        | -20.2                   | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0                               | 4.28            | 252.95      | 3,896.5               | -28.3        | -92.2        | -21.9                   | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0                               | 4.28            | 252.95      | 3,996.2               | -30.5        | -99.4        | -23.6                   | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0                               | 4.28            | 252.95      | 4,095.9               | -32.7        | -106.5       | -25.3                   | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0                               | 4.28            | 252.95      | 4,195.7               | -34.9        | -113.6       | -27.0                   | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0                               | 4.28            | 252.95      | 4,295.4               | -37.0        | -120.8       | -28.7                   | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0                               | 4.28            | 252.95      | 4,395.1               | -39.2        | -127.9       | -30.3                   | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0                               | 4.28            | 252.95      | 4,494.8               | -41.4        | -135.0       | -32.0                   | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0                               | 4.28            | 252.95      | 4,594.5               | -43.6        | -142.1       | -33.7                   | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0                               | 4.28            | 252.95      | 4,694.3               | -45.8        | -149.3       | -35.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0                               | 4.28            | 252.95      | 4,794.0               | -48.0        | -156.4       | -37.1                   | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0                               | 4.28            | 252.95      | 4,893.7               | -50.2        | -163.5       | -38.8                   | 0.00                    | 0.00                   | 0.00                  |

## Concho Resources LLC

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST                  | <b>Local Co-ordinate Reference:</b> | Well ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Site:</b>     | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Well:</b>     | ADMIRAL FEDERAL COM #803H            | <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) |  |
| 5,000.0               | 4.28            | 252.95      | 4,993.4               | -52.4        | -170.7       | -40.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,100.0               | 4.28            | 252.95      | 5,093.2               | -54.5        | -177.8       | -42.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,200.0               | 4.28            | 252.95      | 5,192.9               | -56.7        | -184.9       | -43.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,300.0               | 4.28            | 252.95      | 5,292.6               | -58.9        | -192.1       | -45.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,400.0               | 4.28            | 252.95      | 5,392.3               | -61.1        | -199.2       | -47.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,500.0               | 4.28            | 252.95      | 5,492.0               | -63.3        | -206.3       | -49.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,600.0               | 4.28            | 252.95      | 5,591.8               | -65.5        | -213.5       | -50.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,700.0               | 4.28            | 252.95      | 5,691.5               | -67.7        | -220.6       | -52.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,800.0               | 4.28            | 252.95      | 5,791.2               | -69.9        | -227.7       | -54.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,900.0               | 4.28            | 252.95      | 5,890.9               | -72.0        | -234.9       | -55.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,000.0               | 4.28            | 252.95      | 5,990.6               | -74.2        | -242.0       | -57.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,100.0               | 4.28            | 252.95      | 6,090.4               | -76.4        | -249.1       | -59.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,200.0               | 4.28            | 252.95      | 6,190.1               | -78.6        | -256.3       | -60.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,300.0               | 4.28            | 252.95      | 6,289.8               | -80.8        | -263.4       | -62.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,400.0               | 4.28            | 252.95      | 6,389.5               | -83.0        | -270.5       | -64.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,500.0               | 4.28            | 252.95      | 6,489.3               | -85.2        | -277.7       | -65.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,600.0               | 4.28            | 252.95      | 6,589.0               | -87.4        | -284.8       | -67.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,700.0               | 4.28            | 252.95      | 6,688.7               | -89.5        | -291.9       | -69.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,800.0               | 4.28            | 252.95      | 6,788.4               | -91.7        | -299.1       | -71.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,900.0               | 4.28            | 252.95      | 6,888.1               | -93.9        | -306.2       | -72.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,000.0               | 4.28            | 252.95      | 6,987.9               | -96.1        | -313.3       | -74.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,100.0               | 4.28            | 252.95      | 7,087.6               | -98.3        | -320.5       | -76.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,200.0               | 4.28            | 252.95      | 7,187.3               | -100.5       | -327.6       | -77.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,300.0               | 4.28            | 252.95      | 7,287.0               | -102.7       | -334.7       | -79.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,400.0               | 4.28            | 252.95      | 7,386.7               | -104.9       | -341.8       | -81.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,500.0               | 4.28            | 252.95      | 7,486.5               | -107.0       | -349.0       | -82.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,600.0               | 4.28            | 252.95      | 7,586.2               | -109.2       | -356.1       | -84.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,700.0               | 4.28            | 252.95      | 7,685.9               | -111.4       | -363.2       | -86.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,800.0               | 4.28            | 252.95      | 7,785.6               | -113.6       | -370.4       | -87.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,900.0               | 4.28            | 252.95      | 7,885.4               | -115.8       | -377.5       | -89.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,000.0               | 4.28            | 252.95      | 7,985.1               | -118.0       | -384.6       | -91.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,100.0               | 4.28            | 252.95      | 8,084.8               | -120.2       | -391.8       | -93.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,200.0               | 4.28            | 252.95      | 8,184.5               | -122.4       | -398.9       | -94.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,300.0               | 4.28            | 252.95      | 8,284.2               | -124.6       | -406.0       | -96.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,400.0               | 4.28            | 252.95      | 8,384.0               | -126.7       | -413.2       | -98.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,500.0               | 4.28            | 252.95      | 8,483.7               | -128.9       | -420.3       | -99.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,600.0               | 4.28            | 252.95      | 8,583.4               | -131.1       | -427.4       | -101.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,700.0               | 4.28            | 252.95      | 8,683.1               | -133.3       | -434.6       | -103.1                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,800.0               | 4.28            | 252.95      | 8,782.8               | -135.5       | -441.7       | -104.8                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,900.0               | 4.28            | 252.95      | 8,882.6               | -137.7       | -448.8       | -106.5                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,000.0               | 4.28            | 252.95      | 8,982.3               | -139.9       | -456.0       | -108.2                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,100.0               | 4.28            | 252.95      | 9,082.0               | -142.1       | -463.1       | -109.9                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,200.0               | 4.28            | 252.95      | 9,181.7               | -144.2       | -470.2       | -111.6                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,300.0               | 4.28            | 252.95      | 9,281.4               | -146.4       | -477.4       | -113.3                  | 0.00                    | 0.00                   | 0.00                  |  |

## Concho Resources LLC

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST                  | <b>Local Co-ordinate Reference:</b> | Well ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Site:</b>     | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Well:</b>     | ADMIRAL FEDERAL COM #803H            | <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) |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 9,400.0                                | 4.28            | 252.95      | 9,381.2               | -148.6       | -484.5       | -115.0                  | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0                                | 4.28            | 252.95      | 9,480.9               | -150.8       | -491.6       | -116.7                  | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0                                | 4.28            | 252.95      | 9,580.6               | -153.0       | -498.8       | -118.4                  | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0                                | 4.28            | 252.95      | 9,680.3               | -155.2       | -505.9       | -120.1                  | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0                                | 4.28            | 252.95      | 9,780.1               | -157.4       | -513.0       | -121.7                  | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0                                | 4.28            | 252.95      | 9,879.8               | -159.6       | -520.1       | -123.4                  | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0                               | 4.28            | 252.95      | 9,979.5               | -161.7       | -527.3       | -125.1                  | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0                               | 4.28            | 252.95      | 10,079.2              | -163.9       | -534.4       | -126.8                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0                               | 4.28            | 252.95      | 10,178.9              | -166.1       | -541.5       | -128.5                  | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0                               | 4.28            | 252.95      | 10,278.7              | -168.3       | -548.7       | -130.2                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0                               | 4.28            | 252.95      | 10,378.4              | -170.5       | -555.8       | -131.9                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0                               | 4.28            | 252.95      | 10,478.1              | -172.7       | -562.9       | -133.6                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0                               | 4.28            | 252.95      | 10,577.8              | -174.9       | -570.1       | -135.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,606.0                               | 4.28            | 252.95      | 10,583.8              | -175.0       | -570.5       | -135.4                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 12.00 TFO 106.29</b>      |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,700.0                               | 10.88           | 337.34      | 10,677.1              | -167.8       | -577.3       | -127.8                  | 12.00                   | 7.02                   | 89.77                 |
| 10,800.0                               | 22.44           | 349.27      | 10,772.8              | -140.3       | -584.5       | -99.8                   | 12.00                   | 11.56                  | 11.93                 |
| 10,900.0                               | 34.30           | 353.24      | 10,860.6              | -93.4        | -591.4       | -52.5                   | 12.00                   | 11.86                  | 3.97                  |
| 11,000.0                               | 46.22           | 355.34      | 10,936.8              | -29.2        | -597.7       | 12.0                    | 12.00                   | 11.92                  | 2.10                  |
| 11,100.0                               | 58.17           | 356.73      | 10,998.0              | 49.5         | -603.0       | 90.8                    | 12.00                   | 11.95                  | 1.39                  |
| 11,200.0                               | 70.13           | 357.80      | 11,041.5              | 139.2        | -607.3       | 180.6                   | 12.00                   | 11.96                  | 1.07                  |
| 11,300.0                               | 82.10           | 358.71      | 11,065.5              | 236.1        | -610.2       | 277.5                   | 12.00                   | 11.97                  | 0.92                  |
| 11,366.7                               | 90.09           | 359.29      | 11,070.0              | 302.6        | -611.4       | 343.9                   | 12.00                   | 11.97                  | 0.86                  |
| <b>Start 4692.5 hold at 11366.7 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,400.0                               | 90.09           | 359.29      | 11,070.0              | 335.9        | -611.8       | 377.1                   | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0                               | 90.09           | 359.29      | 11,069.8              | 435.9        | -613.0       | 477.0                   | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0                               | 90.09           | 359.29      | 11,069.7              | 535.9        | -614.3       | 576.8                   | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0                               | 90.09           | 359.29      | 11,069.5              | 635.8        | -615.5       | 676.6                   | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0                               | 90.09           | 359.29      | 11,069.4              | 735.8        | -616.8       | 776.5                   | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0                               | 90.09           | 359.29      | 11,069.2              | 835.8        | -618.0       | 876.3                   | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0                               | 90.09           | 359.29      | 11,069.1              | 935.8        | -619.2       | 976.2                   | 0.00                    | 0.00                   | 0.00                  |
| 12,100.0                               | 90.09           | 359.29      | 11,068.9              | 1,035.8      | -620.5       | 1,076.0                 | 0.00                    | 0.00                   | 0.00                  |
| 12,200.0                               | 90.09           | 359.29      | 11,068.8              | 1,135.8      | -621.7       | 1,175.8                 | 0.00                    | 0.00                   | 0.00                  |
| 12,300.0                               | 90.09           | 359.29      | 11,068.6              | 1,235.8      | -623.0       | 1,275.7                 | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0                               | 90.09           | 359.29      | 11,068.5              | 1,335.8      | -624.2       | 1,375.5                 | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0                               | 90.09           | 359.29      | 11,068.3              | 1,435.8      | -625.4       | 1,475.4                 | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0                               | 90.09           | 359.29      | 11,068.2              | 1,535.8      | -626.7       | 1,575.2                 | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0                               | 90.09           | 359.29      | 11,068.0              | 1,635.8      | -627.9       | 1,675.0                 | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0                               | 90.09           | 359.29      | 11,067.9              | 1,735.8      | -629.2       | 1,774.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0                               | 90.09           | 359.29      | 11,067.7              | 1,835.8      | -630.4       | 1,874.7                 | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0                               | 90.09           | 359.29      | 11,067.5              | 1,935.7      | -631.6       | 1,974.6                 | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0                               | 90.09           | 359.29      | 11,067.4              | 2,035.7      | -632.9       | 2,074.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0                               | 90.09           | 359.29      | 11,067.2              | 2,135.7      | -634.1       | 2,174.3                 | 0.00                    | 0.00                   | 0.00                  |

## Concho Resources LLC

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST                  | <b>Local Co-ordinate Reference:</b> | Well ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Site:</b>     | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Well:</b>     | ADMIRAL FEDERAL COM #803H            | <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) |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 13,300.0                               | 90.09           | 359.29      | 11,067.1              | 2,235.7      | -635.4       | 2,274.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0                               | 90.09           | 359.29      | 11,066.9              | 2,335.7      | -636.6       | 2,373.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0                               | 90.09           | 359.29      | 11,066.8              | 2,435.7      | -637.8       | 2,473.8                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0                               | 90.09           | 359.29      | 11,066.6              | 2,535.7      | -639.1       | 2,573.6                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0                               | 90.09           | 359.29      | 11,066.5              | 2,635.7      | -640.3       | 2,673.5                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0                               | 90.09           | 359.29      | 11,066.3              | 2,735.7      | -641.6       | 2,773.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0                               | 90.09           | 359.29      | 11,066.2              | 2,835.7      | -642.8       | 2,873.1                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0                               | 90.09           | 359.29      | 11,066.0              | 2,935.7      | -644.0       | 2,973.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0                               | 90.09           | 359.29      | 11,065.9              | 3,035.7      | -645.3       | 3,072.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0                               | 90.09           | 359.29      | 11,065.7              | 3,135.7      | -646.5       | 3,172.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0                               | 90.09           | 359.29      | 11,065.6              | 3,235.6      | -647.8       | 3,272.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0                               | 90.09           | 359.29      | 11,065.4              | 3,335.6      | -649.0       | 3,372.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0                               | 90.09           | 359.29      | 11,065.3              | 3,435.6      | -650.2       | 3,472.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0                               | 90.09           | 359.29      | 11,065.1              | 3,535.6      | -651.5       | 3,572.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0                               | 90.09           | 359.29      | 11,065.0              | 3,635.6      | -652.7       | 3,671.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0                               | 90.09           | 359.29      | 11,064.8              | 3,735.6      | -654.0       | 3,771.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0                               | 90.09           | 359.29      | 11,064.7              | 3,835.6      | -655.2       | 3,871.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0                               | 90.09           | 359.29      | 11,064.5              | 3,935.6      | -656.4       | 3,971.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0                               | 90.09           | 359.29      | 11,064.4              | 4,035.6      | -657.7       | 4,071.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0                               | 90.09           | 359.29      | 11,064.2              | 4,135.6      | -658.9       | 4,171.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0                               | 90.09           | 359.29      | 11,064.1              | 4,235.6      | -660.2       | 4,270.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0                               | 90.09           | 359.29      | 11,063.9              | 4,335.6      | -661.4       | 4,370.8                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0                               | 90.09           | 359.29      | 11,063.7              | 4,435.6      | -662.6       | 4,470.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0                               | 90.09           | 359.29      | 11,063.6              | 4,535.5      | -663.9       | 4,570.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0                               | 90.09           | 359.29      | 11,063.4              | 4,635.5      | -665.1       | 4,670.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0                               | 90.09           | 359.29      | 11,063.3              | 4,735.5      | -666.4       | 4,770.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0                               | 90.09           | 359.29      | 11,063.1              | 4,835.5      | -667.6       | 4,870.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0                               | 90.09           | 359.29      | 11,063.0              | 4,935.5      | -668.8       | 4,969.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,059.2                               | 90.09           | 359.29      | 11,062.9              | 4,994.8      | -669.6       | 5,029.0                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 2.00 TFO 89.79</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 16,080.2                               | 90.09           | 359.71      | 11,062.9              | 5,015.7      | -669.8       | 5,049.8                 | 2.00                    | 0.01                   | 2.00                  |
| <b>Start 5086.0 hold at 16080.2 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 16,100.0                               | 90.09           | 359.71      | 11,062.8              | 5,035.5      | -669.9       | 5,069.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0                               | 90.09           | 359.71      | 11,062.7              | 5,135.5      | -670.4       | 5,169.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0                               | 90.09           | 359.71      | 11,062.5              | 5,235.5      | -670.9       | 5,269.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0                               | 90.09           | 359.71      | 11,062.4              | 5,335.5      | -671.4       | 5,369.0                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0                               | 90.09           | 359.71      | 11,062.2              | 5,435.5      | -671.9       | 5,468.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0                               | 90.09           | 359.71      | 11,062.1              | 5,535.5      | -672.4       | 5,568.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0                               | 90.09           | 359.71      | 11,061.9              | 5,635.5      | -672.9       | 5,668.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0                               | 90.09           | 359.71      | 11,061.8              | 5,735.5      | -673.4       | 5,768.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0                               | 90.09           | 359.71      | 11,061.6              | 5,835.5      | -673.9       | 5,868.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0                               | 90.09           | 359.71      | 11,061.4              | 5,935.5      | -674.5       | 5,967.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0                               | 90.09           | 359.71      | 11,061.3              | 6,035.5      | -675.0       | 6,067.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0                               | 90.09           | 359.71      | 11,061.1              | 6,135.5      | -675.5       | 6,167.4                 | 0.00                    | 0.00                   | 0.00                  |

## Concho Resources LLC

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST                  | <b>Local Co-ordinate Reference:</b> | Well ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Site:</b>     | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Well:</b>     | ADMIRAL FEDERAL COM #803H            | <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) |
| 17,300.0              | 90.09           | 359.71      | 11,061.0              | 6,235.5      | -676.0       | 6,267.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.09           | 359.71      | 11,060.8              | 6,335.5      | -676.5       | 6,367.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.09           | 359.71      | 11,060.7              | 6,435.5      | -677.0       | 6,466.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.09           | 359.71      | 11,060.5              | 6,535.5      | -677.5       | 6,566.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.09           | 359.71      | 11,060.4              | 6,635.5      | -678.0       | 6,666.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.09           | 359.71      | 11,060.2              | 6,735.5      | -678.5       | 6,766.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.09           | 359.71      | 11,060.1              | 6,835.5      | -679.0       | 6,866.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.09           | 359.71      | 11,059.9              | 6,935.5      | -679.6       | 6,965.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.09           | 359.71      | 11,059.7              | 7,035.5      | -680.1       | 7,065.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.09           | 359.71      | 11,059.6              | 7,135.5      | -680.6       | 7,165.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 90.09           | 359.71      | 11,059.4              | 7,235.5      | -681.1       | 7,265.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 90.09           | 359.71      | 11,059.3              | 7,335.5      | -681.6       | 7,365.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 90.09           | 359.71      | 11,059.1              | 7,435.5      | -682.1       | 7,464.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0              | 90.09           | 359.71      | 11,059.0              | 7,535.5      | -682.6       | 7,564.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0              | 90.09           | 359.71      | 11,058.8              | 7,635.5      | -683.1       | 7,664.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0              | 90.09           | 359.71      | 11,058.7              | 7,735.5      | -683.6       | 7,764.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0              | 90.09           | 359.71      | 11,058.5              | 7,835.5      | -684.1       | 7,864.0                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0              | 90.09           | 359.71      | 11,058.4              | 7,935.5      | -684.7       | 7,963.8                 | 0.00                    | 0.00                   | 0.00                  |
| 19,100.0              | 90.09           | 359.71      | 11,058.2              | 8,035.5      | -685.2       | 8,063.6                 | 0.00                    | 0.00                   | 0.00                  |
| 19,200.0              | 90.09           | 359.71      | 11,058.0              | 8,135.5      | -685.7       | 8,163.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0              | 90.09           | 359.71      | 11,057.9              | 8,235.5      | -686.2       | 8,263.1                 | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0              | 90.09           | 359.71      | 11,057.7              | 8,335.5      | -686.7       | 8,362.9                 | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0              | 90.09           | 359.71      | 11,057.6              | 8,435.5      | -687.2       | 8,462.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0              | 90.09           | 359.71      | 11,057.4              | 8,535.5      | -687.7       | 8,562.5                 | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0              | 90.09           | 359.71      | 11,057.3              | 8,635.5      | -688.2       | 8,662.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,800.0              | 90.09           | 359.71      | 11,057.1              | 8,735.5      | -688.7       | 8,762.1                 | 0.00                    | 0.00                   | 0.00                  |
| 19,900.0              | 90.09           | 359.71      | 11,057.0              | 8,835.5      | -689.2       | 8,861.9                 | 0.00                    | 0.00                   | 0.00                  |
| 20,000.0              | 90.09           | 359.71      | 11,056.8              | 8,935.5      | -689.8       | 8,961.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,100.0              | 90.09           | 359.71      | 11,056.6              | 9,035.5      | -690.3       | 9,061.5                 | 0.00                    | 0.00                   | 0.00                  |
| 20,200.0              | 90.09           | 359.71      | 11,056.5              | 9,135.5      | -690.8       | 9,161.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,300.0              | 90.09           | 359.71      | 11,056.3              | 9,235.4      | -691.3       | 9,261.1                 | 0.00                    | 0.00                   | 0.00                  |
| 20,400.0              | 90.09           | 359.71      | 11,056.2              | 9,335.4      | -691.8       | 9,360.9                 | 0.00                    | 0.00                   | 0.00                  |
| 20,500.0              | 90.09           | 359.71      | 11,056.0              | 9,435.4      | -692.3       | 9,460.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,600.0              | 90.09           | 359.71      | 11,055.9              | 9,535.4      | -692.8       | 9,560.5                 | 0.00                    | 0.00                   | 0.00                  |
| 20,700.0              | 90.09           | 359.71      | 11,055.7              | 9,635.4      | -693.3       | 9,660.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,800.0              | 90.09           | 359.71      | 11,055.6              | 9,735.4      | -693.8       | 9,760.1                 | 0.00                    | 0.00                   | 0.00                  |
| 20,900.0              | 90.09           | 359.71      | 11,055.4              | 9,835.4      | -694.3       | 9,859.9                 | 0.00                    | 0.00                   | 0.00                  |
| 21,000.0              | 90.09           | 359.71      | 11,055.3              | 9,935.4      | -694.9       | 9,959.7                 | 0.00                    | 0.00                   | 0.00                  |
| 21,100.0              | 90.09           | 359.71      | 11,055.1              | 10,035.4     | -695.4       | 10,059.5                | 0.00                    | 0.00                   | 0.00                  |
| 21,166.2              | 90.09           | 359.71      | 11,055.0              | 10,101.6     | -695.7       | 10,125.5                | 0.00                    | 0.00                   | 0.00                  |
| TD at 21166.2         |                 |             |                       |              |              |                         |                         |                        |                       |

## Concho Resources LLC

## Survey Report

|                  |                                      |                                     |                                |
|------------------|--------------------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | DELAWARE BASIN WEST                  | <b>Local Co-ordinate Reference:</b> | Well ADMIRAL FEDERAL COM #803H |
| <b>Project:</b>  | ATLAS PROSPECT (NM-E)                | <b>TVD Reference:</b>               | KB=25' @ 3010.6usft (TBD)      |
| <b>Site:</b>     | ADMIRAL FEDERAL PROJECT (ATLAS 2529) | <b>MD Reference:</b>                | KB=25' @ 3010.6usft (TBD)      |
| <b>Well:</b>     | ADMIRAL FEDERAL COM #803H            | <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         |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------------|-------------------|
| LTP (ADMIRAL FED C<br>- plan misses target center by 0.6usft at 21036.2usft MD (11055.2 TVD, 9971.6 N, -695.0 E)<br>- Point               | 0.00             | 0.00            | 11,055.0      | 9,971.6         | -694.5          | 408,169.10         | 607,094.60        | 32° 7' 18.123 N | 103° 59' 14.655 W |
| PBHL (ADMIRAL FED<br>- plan hits target center<br>- Rectangle (sides W100.0 H5,108.0 D20.0)                                               | 0.12             | 179.71          | 11,055.0      | 10,101.6        | -695.7          | 408,299.10         | 607,093.40        | 32° 7' 19.409 N | 103° 59' 14.664 W |
| POI 1 (ADMIRAL FED<br>- plan hits target center<br>- Rectangle (sides W100.0 H4,979.0 D20.0)                                              | 0.12             | 179.29          | 11,062.9      | 4,994.8         | -669.6          | 403,192.25         | 607,119.52        | 32° 6' 28.869 N | 103° 59' 14.551 W |
| FTP (ADMIRAL FED C<br>- plan misses target center by 79.4usft at 11101.6usft MD (10998.8 TVD, 50.8 N, -603.1 E)<br>- Circle (radius 50.0) | 0.00             | 0.00            | 11,070.0      | 16.1            | -608.2          | 398,213.60         | 607,180.90        | 32° 5' 39.596 N | 103° 59' 14.023 W |

## Plan Annotations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                         |
|-----------------------------|-----------------------------|-------------------|-----------------|---------------------------------|
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                 |
| 2500                        | 2500                        | 0                 | 0               | Start Build 2.00                |
| 2714                        | 2714                        | -2                | -8              | Start 7892.1 hold at 2713.9 MD  |
| 10,606                      | 10,584                      | -175              | -570            | Start DLS 12.00 TFO 106.29      |
| 11,367                      | 11,070                      | 303               | -611            | Start 4692.5 hold at 11366.7 MD |
| 16,059                      | 11,063                      | 4995              | -670            | Start DLS 2.00 TFO 89.79        |
| 16,080                      | 11,063                      | 5016              | -670            | Start 5086.0 hold at 16080.2 MD |
| 21,166                      | 11,055                      | 10,102            | -696            | TD at 21166.2                   |

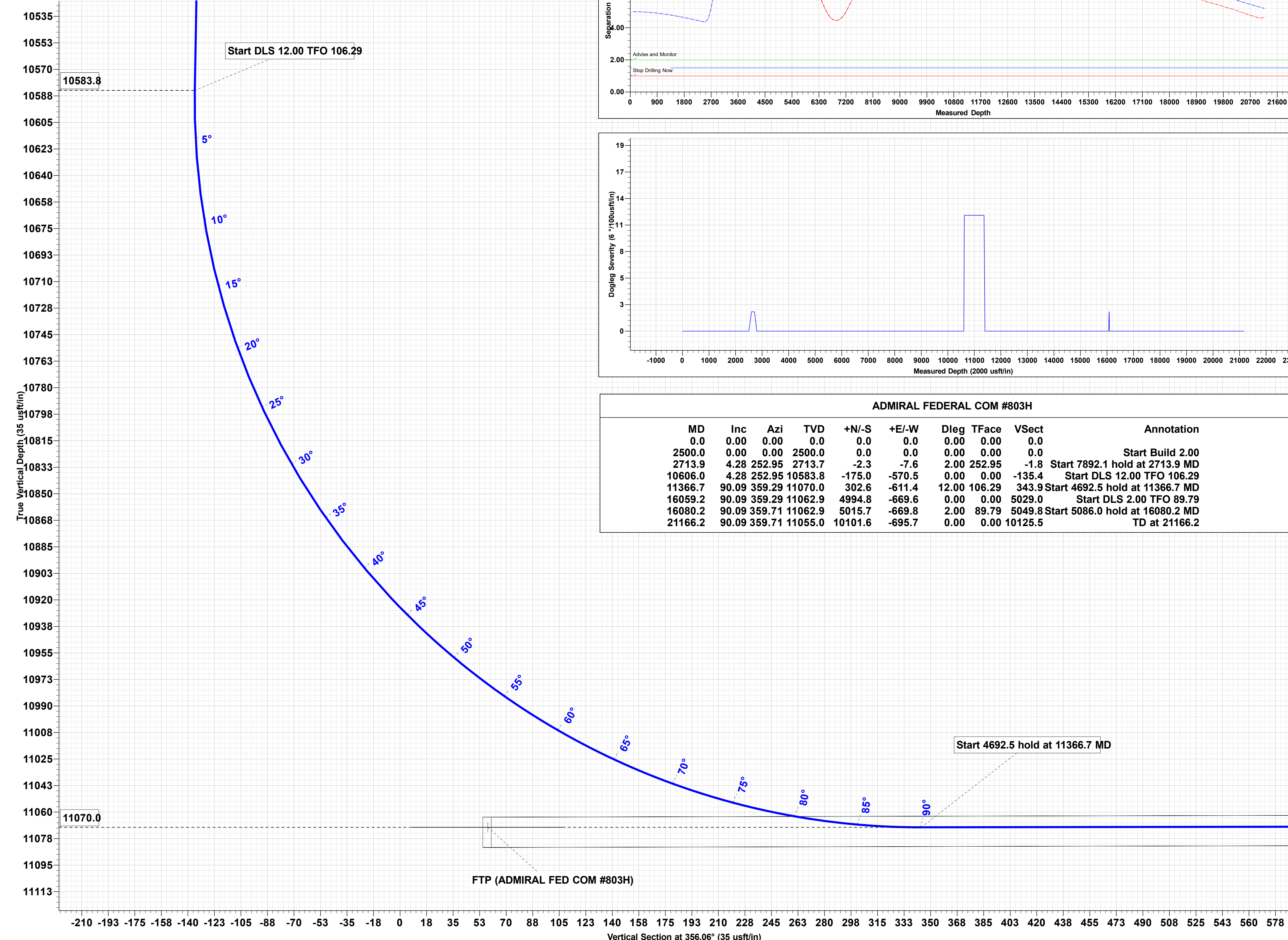
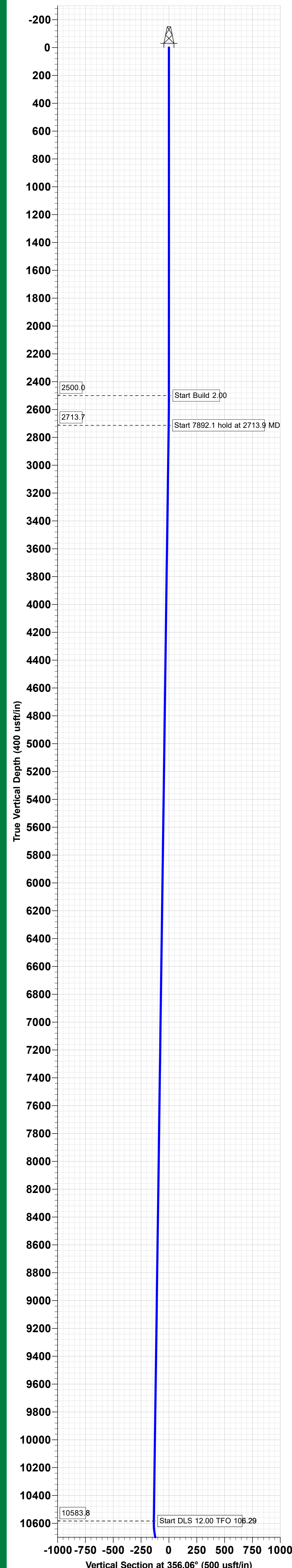
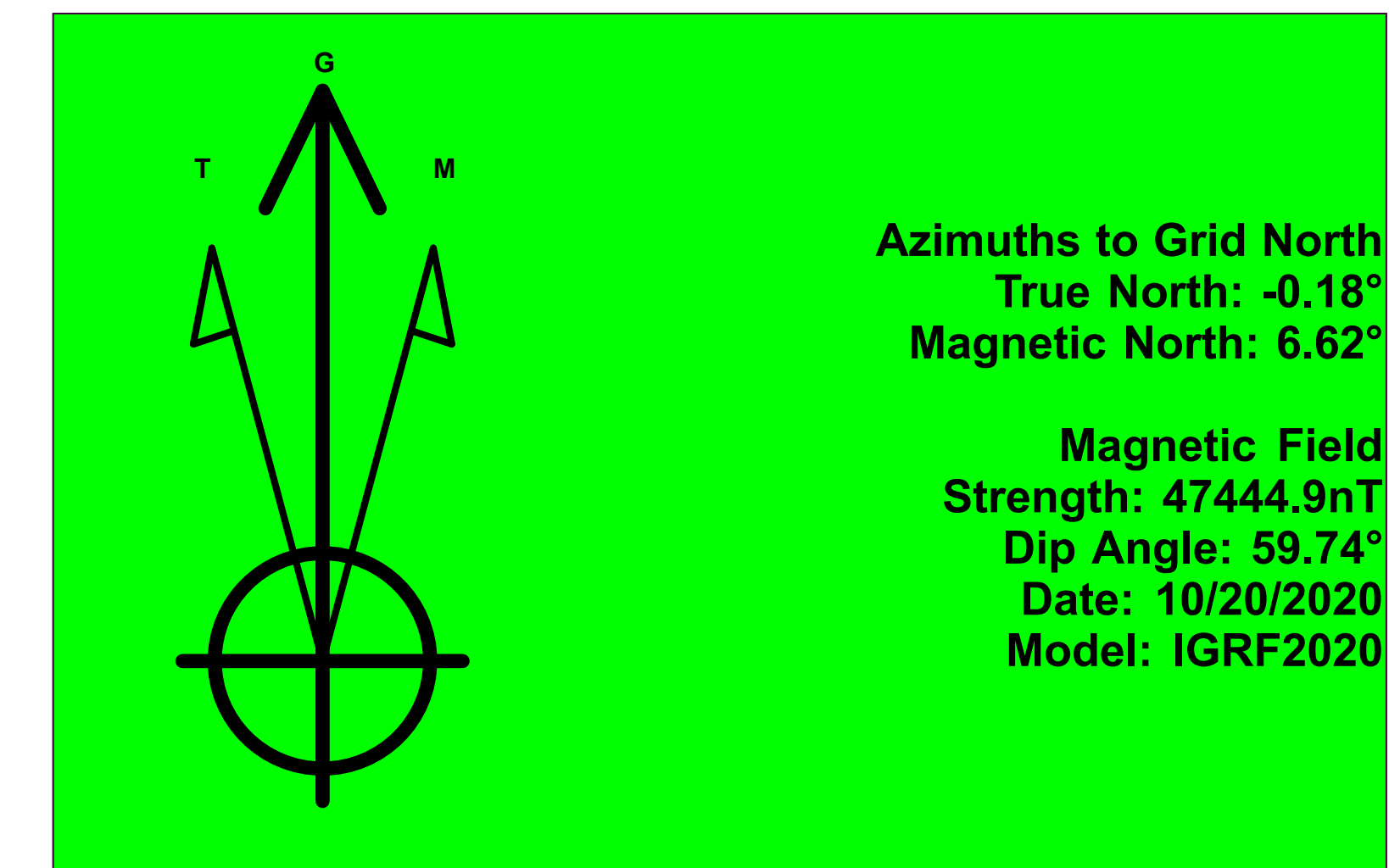
Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



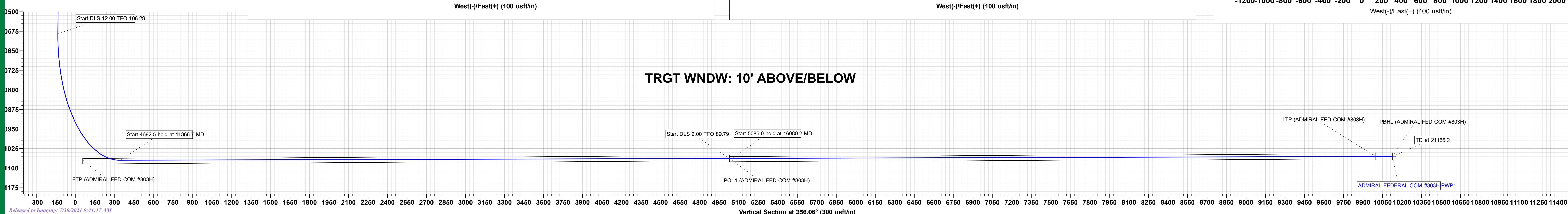
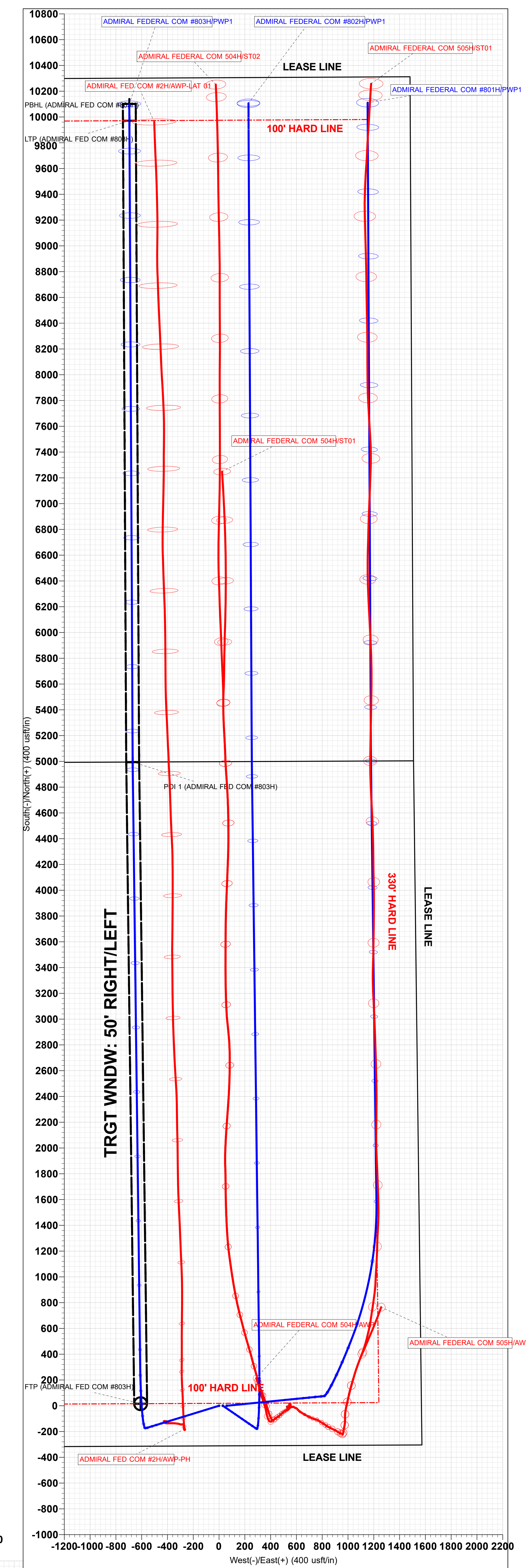
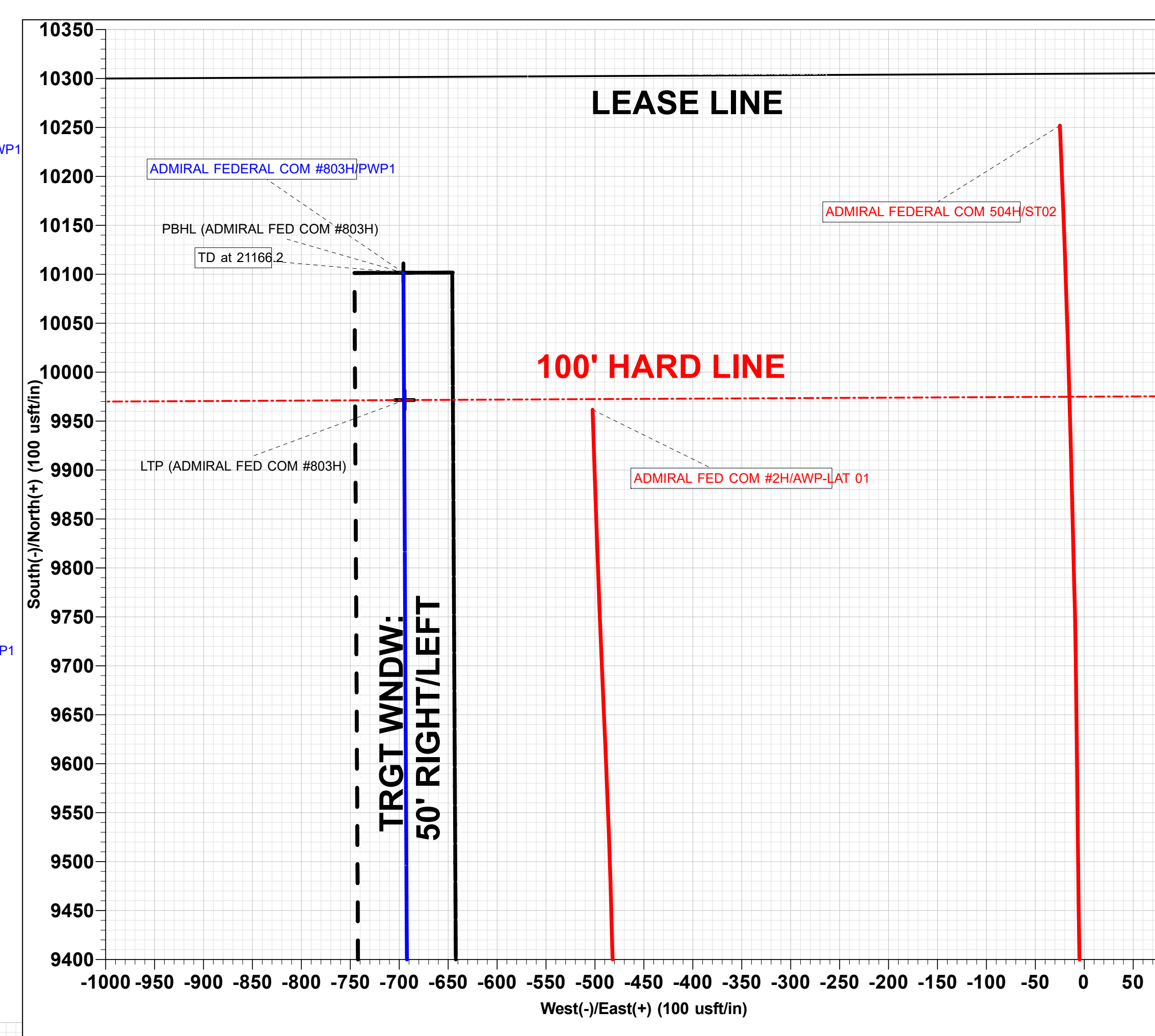
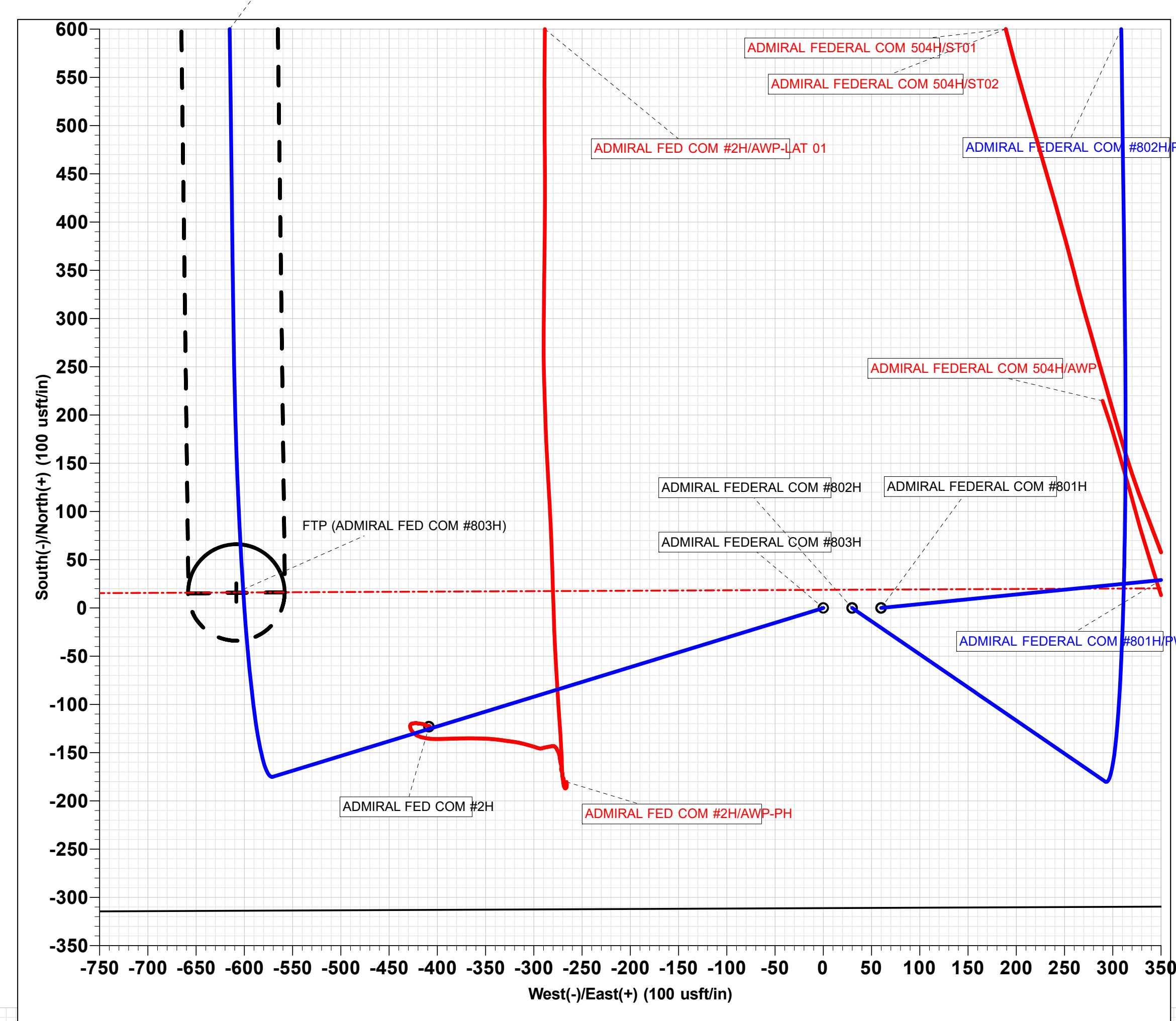
Project: ATLAS PROSPECT (NM-E)  
Site: ADMIRAL FEDERAL PROJECT (ATLAS 2529)  
Well: ADMIRAL FEDERAL COM #803H  
Wellbore: OWB  
Design: PWP1  
GL: 2985.6  
KB=25' @ 3010.6usft (TBD)

| WELL DETAILS: ADMIRAL FEDERAL COM #803H |       |           |           |                 |                  |
|-----------------------------------------|-------|-----------|-----------|-----------------|------------------|
| +N/-S                                   | +E/-W | Northing  | Easting   | Latitude        | Longitude        |
| 0.0                                     | 0.0   | 398197.50 | 607789.10 | 32° 5' 39.418 N | 103° 59' 6.954 W |

| DESIGN TARGET DETAILS         |         |         |        |           |           |                 |
|-------------------------------|---------|---------|--------|-----------|-----------|-----------------|
| Name                          | TVD     | +N/-S   | +E/-W  | Northing  | Easting   | Latitude        |
| LTP (ADMIRAL FED COM #803H)   | 11055.0 | 9971.6  | -694.5 | 408169.10 | 607093.40 | 32° 7' 18.123 N |
| PBHL (ADMIRAL FED COM #803H)  | 11055.0 | 10101.6 | -695.7 | 408299.10 | 607093.40 | 32° 7' 18.409 N |
| POI 1 (ADMIRAL FED COM #803H) | 11062.9 | 4994.8  | -669.6 | 403192.25 | 607119.52 | 32° 6' 28.869 N |
| FTP (ADMIRAL FED COM #803H)   | 11070.0 | 16.1    | -608.2 | 398213.60 | 607180.90 | 32° 5' 39.596 N |



| ADMIRAL FEDERAL COM #803H |       |        |         |         |        |       |        |         |                                 |
|---------------------------|-------|--------|---------|---------|--------|-------|--------|---------|---------------------------------|
| MD                        | Inc   | Azi    | TVD     | +N/-S   | +E/-W  | Dleg  | TFace  | VSect   | Annotation                      |
| 0.0                       | 0.00  | 0.00   | 0.0     | 0.0     | 0.0    | 0.00  | 0.00   | 0.0     | Start Build 2.00                |
| 2500.0                    | 0.00  | 0.00   | 2500.0  | 0.0     | 0.0    | 0.00  | 0.00   | 0.0     | Start 7892.1 hold at 2713.9 MD  |
| 2713.9                    | 4.28  | 252.95 | 2713.7  | -2.3    | -7.6   | 2.00  | 252.95 | -1.8    | Start 7892.1 hold at 2713.9 MD  |
| 10606.0                   | 4.28  | 252.95 | 10583.8 | -175.0  | -570.5 | 0.00  | 0.00   | -135.4  | Start DLS 12.00 TFO 106.29      |
| 11366.7                   | 90.09 | 359.29 | 11070.0 | 302.6   | -611.4 | 12.00 | 106.29 | 343.9   | Start 4692.5 hold at 11366.7 MD |
| 16059.2                   | 90.09 | 359.29 | 11062.9 | 4994.8  | -669.6 | 0.00  | 0.00   | 5029.0  | Start DLS 2.00 TFO 89.79        |
| 16080.2                   | 90.09 | 359.71 | 11062.9 | 5015.7  | -669.8 | 2.00  | 89.79  | 5049.8  | Start 5086.0 hold at 16080.2 MD |
| 21166.2                   | 90.09 | 359.71 | 11055.0 | 10101.6 | -695.7 | 0.00  | 0.00   | 10125.5 | TD at 21166.2                   |



## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

|                         |                                    |
|-------------------------|------------------------------------|
| <b>OPERATOR'S NAME:</b> | <b>COG</b>                         |
| <b>LEASE NO.:</b>       | <b>NMNM096848</b>                  |
| <b>LOCATION:</b>        | Section 28, T.25 S., R.29 E., NMPM |
| <b>COUNTY:</b>          | Eddy County, New Mexico            |

|                              |                      |
|------------------------------|----------------------|
| <b>WELL NAME &amp; NO.:</b>  | Admiral Fed Com 803H |
| <b>SURFACE HOLE FOOTAGE:</b> | 311'/S & 1570'/E     |
| <b>BOTTOM HOLE FOOTAGE:</b>  | 200'/N & 330'/E      |

COA

|                      |                                         |                                            |                                     |
|----------------------|-----------------------------------------|--------------------------------------------|-------------------------------------|
| H2S                  | <input type="radio"/> Yes               | <input checked="" type="radio"/> No        |                                     |
| Potash               | <input checked="" type="radio"/> None   | <input type="radio"/> Secretary            | <input type="radio"/> R-111-P       |
| Cave/Karst Potential | <input type="radio"/> Low               | <input checked="" type="radio"/> Medium    | <input type="radio"/> High          |
| Cave/Karst Potential | <input type="radio"/> Critical          |                                            |                                     |
| Variance             | <input type="radio"/> None              | <input checked="" type="radio"/> Flex Hose | <input type="radio"/> Other         |
| Wellhead             | <input type="radio"/> Conventional      | <input checked="" type="radio"/> Multibowl | <input type="radio"/> Both          |
| Other                | <input type="checkbox"/> 4 String Area  | <input type="checkbox"/> Capitan Reef      | <input type="checkbox"/> WIPP       |
| Other                | <input type="checkbox"/> Fluid Filled   | <input type="checkbox"/> Cement Squeeze    | <input type="checkbox"/> Pilot Hole |
| Special Requirements | <input type="checkbox"/> Water Disposal | <input checked="" type="checkbox"/> COM    | <input type="checkbox"/> Unit       |

### A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

### B. CASING

1. The **10-3/4** inch surface casing shall be set at approximately **610** feet (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8**

- hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
  - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
- Cement to surface. If cement does not circulate see B.1.a, c-d above.
- Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**
- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

### C. PRESSURE CONTROL

1. **Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).**
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
  - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

**D. SPECIAL REQUIREMENT (S)****Communitization Agreement**

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

**GENERAL REQUIREMENTS**

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,  
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)  
393-3612

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - Notify the BLM when moving in and removing the Spudder Rig.

- Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
  - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
  3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

**B. PRESSURE CONTROL**

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.

- c. Manufacturer representative shall install the test plug for the initial BOP test.
  - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
  - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
  - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
  - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
  - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
  - e. The results of the test shall be reported to the appropriate BLM office.

- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

#### C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

#### D. WASTE MATERIAL AND FLUIDS

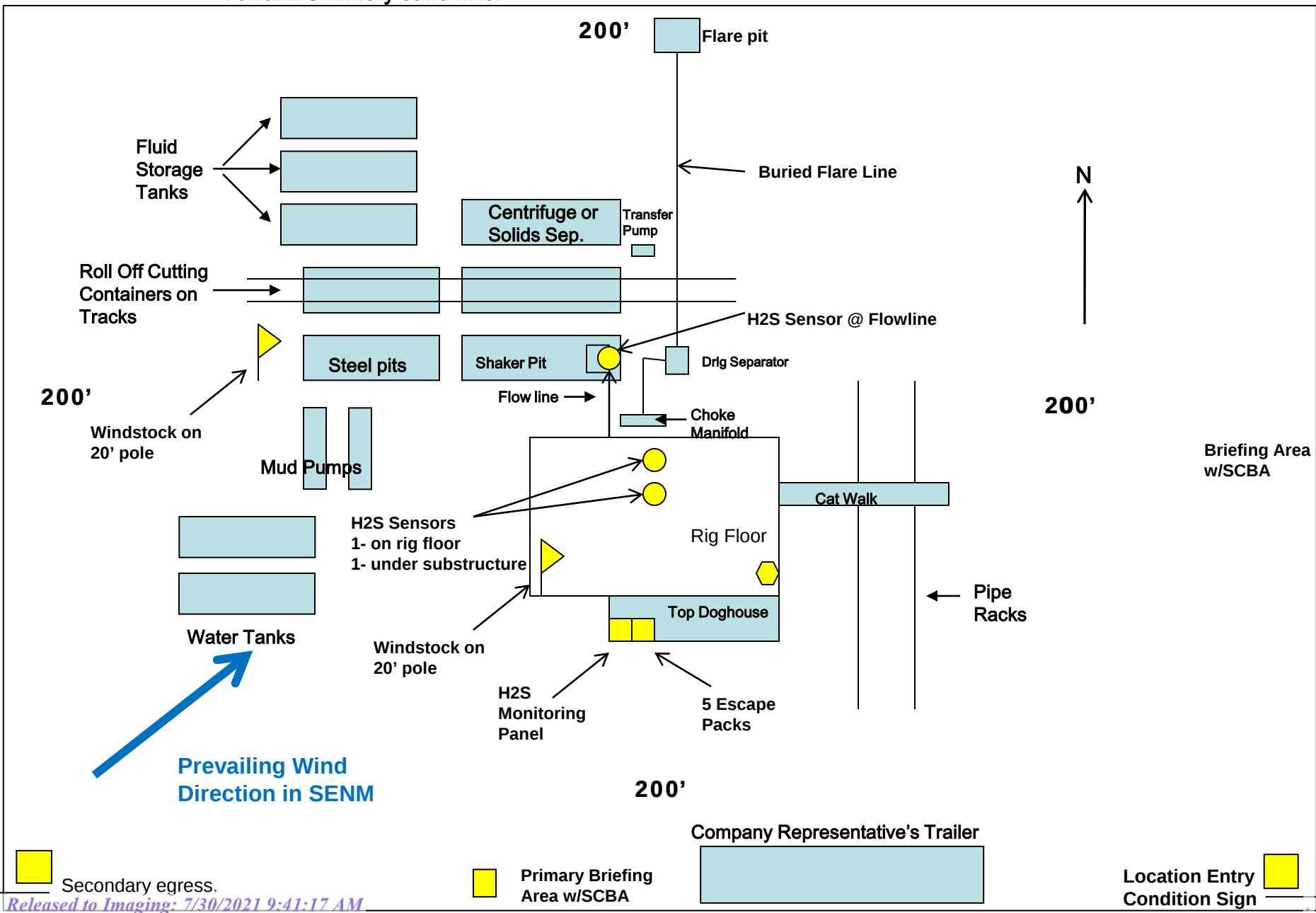
All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

**ZS 070121**

COG Operating LLC  
H<sub>2</sub>S Equipment Schematic  
Terrain: Shinnery sand hills.

Well pad will be 400' x 400'  
with cellar in center of pad



**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         |

**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**

COMMENTS  
  
Action 38514

COMMENTS

|                                                                           |                                                                       |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137                                                      |
|                                                                           | Action Number:<br>38514                                               |
|                                                                           | Action Type:<br>[C-101] BLM - Federal/Indian Land Lease (Form 3160-3) |

COMMENTS

| Created By | Comment                 | Comment Date |
|------------|-------------------------|--------------|
| kpickford  | KP GEO Review 7/29/2021 | 7/29/2021    |

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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CONDITIONS

Action 38514

**CONDITIONS**

|                                                                           |                                                                       |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Operator:<br>COG OPERATING LLC<br>600 W Illinois Ave<br>Midland, TX 79701 | OGRID:<br>229137                                                      |
|                                                                           | Action Number:<br>38514                                               |
|                                                                           | Action Type:<br>[C-101] BLM - Federal/Indian Land Lease (Form 3160-3) |

**CONDITIONS**

| Created By | Condition                                                                                                                                                                                                                                                            | Condition Date |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| kpickford  | Notify OCD 24 hours prior to casing & cement                                                                                                                                                                                                                         | 7/29/2021      |
| kpickford  | Will require a File As Drilled C-102 and a Directional Survey with the C-104                                                                                                                                                                                         | 7/29/2021      |
| 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 | 7/29/2021      |
| kpickford  | Cement is required to circulate on both surface and intermediate1 strings of casing                                                                                                                                                                                  | 7/29/2021      |
| 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                  | 7/29/2021      |