

Form 3160-5  
(June 2019)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

11. Country or Parish, State

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Additional Remarks

Multi-Bowl Wellhead Schematic

### Location of Well

0. SHL: SWSE / 581 FSL / 1912 FEL / TWSP: 26S / RANGE: 35E / SECTION: 20 / LAT: 32.0231145 / LONG: -103.3870795 ( TVD: 0 feet, MD: 0 feet )

PPP: NWNE / 0 FNL / 1475 FEL / TWSP: 26S / RANGE: 35E / SECTION: 29 / LAT: 32.021513 / LONG: -103.385668 ( TVD: 12483 feet, MD: 13091 feet )

PPP: LOT 2 / 0 FNL / 1649 FEL / TWSP: 26S / RANGE: 35E / SECTION: 32 / LAT: 32.006986 / LONG: -103.386218 ( TVD: 12486 feet, MD: 18420 feet )

BHL: LOT 2 / 10 FSL / 1650 FEL / TWSP: 26S / RANGE: 35E / SECTION: 32 / LAT: 32.0003214 / LONG: -103.3862124 ( TVD: 12487 feet, MD: 20736 feet )

CONFIDENTIAL

District I

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

District II

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

District III

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

District IV

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

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<b>1 API Number</b> 30-025-48112	<b>2 Pool Code</b> 96776	<b>3 Pool Name</b> JABALINA; WOLFCAMP, SOUTHWEST
<b>4 Property Code</b>	<b>5 Property Name</b> EL CAMPEON FED COM	<b>6 Well Number</b> 433H
<b>7 OGRID No.</b> 331165	<b>8 Operator Name</b> EARTHSTONE OPERATING LLC	<b>9 Elevation</b> 3175'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	20	26-S	35-E		581'	SOUTH	1912'	EAST	LEA

<sup>11</sup> State Line Crossing If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County (TX)
1	32	26S	35E	2	0'	SOUTH	1650'	EAST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
240	Y		

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

**\*BHL & LTP WILL BE IN TEXAS**

**16 SURFACE HOLE LOCATION (SHL)**  
NEW MEXICO EAST - NAD 83  
X=834597.16 LAT.= 32.02311458° N  
Y=373432.06 LONG.= 103.38707951° W  
NEW MEXICO EAST - NAD 27  
X=793408.83 LAT.= 32.02298802° N  
Y=373374.86 LONG.= 103.38661972° W  
581' FSL, 1912' FEL - SECTION 20

**FIRST TAKE POINT (FTP)**  
NEW MEXICO EAST - NAD 83  
X=834865.80 LAT.= 32.02124091° N  
Y=372752.74 LONG.= 103.38623203° W  
NEW MEXICO EAST - NAD 27  
X=793677.43 LAT.= 32.02111433° N  
Y=372695.56 LONG.= 103.38577238° W  
100' FNL, 1650' FEL - SECTION 29  
100' FNL, 331' FEL - LEASE

**STATE LINE CROSSING (SLC)**  
NEW MEXICO EAST - NAD 83  
X=834939.12 LAT.= 32.00029404° N  
Y=365132.52 LONG.= 103.38621089° W  
NEW MEXICO EAST - NAD 27  
X=793750.43 LAT.= 32.00016735° N  
Y=365075.54 LONG.= -103.38575241° W  
0' FSL, 1650' FEL - SECTION 32  
0' FSL, 331' FEL - LEASE  
MD = 20.950'

**LAST TAKE POINT (LTP)**  
TEXAS CENTRAL - NAD 83  
X=1350182.74 LAT.= 31.99524206° N  
Y=10702432.93 LONG.= 103.38620640° W  
TEXAS CENTRAL - NAD 27  
X=1053720.02 LAT.= 31.99511534° N  
Y=859853.94 LONG.= 103.38574806° W  
100' FSL, 3268' FEL - SECTION 25  
100' FSL, 331' FEL - LEASE

**BOTTOM HOLE LOCATION (BHL)**  
TEXAS CENTRAL - NAD 83  
X=1350180.26 LAT.= 31.99498233° N  
Y=10702338.47 LONG.= 103.38620606° W  
TEXAS CENTRAL - NAD 27  
X=1053717.53 LAT.= 31.99485560° N  
Y=859759.48 LONG.= 103.38574773° W  
10' FSL, 3297' FEL - SECTION 25  
10' FSL, 331' FEL - LEASE

**17 OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Roger Lowery* 11/28/2022  
Signature Date

**Roger Lowery**  
Printed Name

[rlowery@earthstoneenergy.com](mailto:rlowery@earthstoneenergy.com)  
E-mail Address

**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

**CHARLES L. JURICA** 11/28/2022  
Date of Survey

*Charles L. Jurica*  
Signature and Seal of Professional Surveyor

25490  
Certificate Number

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	<b>Earthstone</b>
<b>LEASE NO.:</b>	<b>NMNM134888</b>
<b>LOCATION:</b>	Section 20, T.26 S., R.35 E., NMPM
<b>COUNTY:</b>	Lea County, New Mexico

<b>WELL NAME &amp; NO.:</b>	El CampeonFed Com 433H
<b>SURFACE HOLE FOOTAGE:</b>	581'S & 1912'E
<b>BOTTOM HOLE FOOTAGE:</b>	0'S & 1650'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 checked="" type="radio"/> Low	<input 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 checked="" 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 **1100** feet (a minimum of **25 feet (Lea 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 tail cement slurry due to cave/karst.**

**Operator has proposed to pump down 7-5/8" X 10-3/4" annulus. Operator must run a CBL from TD of the 7-5/8" casing to surface. Submit results to BLM.**

**Operator shall use the Minimum Max MW of 12.5ppg in this location due to Abnormal Pressure in this area.**

3. The minimum required fill of cement behind the **5-1/2 x 5** 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 **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 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)  
689-5981

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.

**ZS011323**

# Titus Oil & Gas Production, LLC - El Campeon Fed Com 433H

## 1. Geologic Formations

TVD of target	12,759' EOL	Pilot hole depth	NA
MD at TD:	22,125'	Deepest expected fresh water:	400'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1050	Water	
Top of Salt	1482	Salt	
Base of Salt	5052	Salt	
Lamar	5350	Salt Water	
Delaware	5372	Salt Water	
Bone Spring Lime	9238	Oil/Gas	
1st Bone Spring	10605	Oil/Gas	
2nd Bone Spring	11092	Oil/Gas	
3rd Bone Spring	12164	Oil/Gas	
Wolfcamp	12460	Oil/Gas	
Wolfcamp X Sand	12495	Oil/Gas	
Wolfcamp Y Sand	12556	Oil/Gas	
Wolfcamp A	12585	Target Oil/Gas	
Wolfcamp B	12914	Not Penetrated	

## 2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body
	From	To							
13.5"	0	1075	10.75"	45.5	J55	BTC	4.25	0.80	14.62
9.875"	0	12100	7.625"	29.7	HCL80	BTC	1.17	1.05	2.02
6.75"	0	11900	5.5"	20	P110	BTC	1.85	1.93	3.17
6.75"	11900	22,125	5"	18	P110	BTC	1.85	1.93	3.17
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing to mitigate collapse.  
 Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface and  
 All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

The 5" casing will be run back 200' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

## Titus Oil &amp; Gas Production, LLC - El CampeonLos Vaqueros Fed Com 433H

	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?	

## Titus Oil &amp; Gas Production, LLC - El Campeon Fed Com 433H

## 3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H <sub>2</sub> O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	250	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl <sub>2</sub>
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl <sub>2</sub>
Int	900	10.3	3.6	22.95	16	TXI Lightweight Blend
	250	13.5	1.5	7.8	8	Tail: Class H
Prod	1250	14.2	1.25	6.2	19	Tail: 50:50:2 Class H Blend

**Contingency remediation cement plan for intermediate casing if cmt is not circulated to surface:**1<sup>st</sup> Stage - Bradenhead Stage Notes

Operator will pump 1000+ sx of Class C and allow cement to fall into place. Operator will not put any fluid on top of the cement after the fall. This will leave annuls filled with air to TOC. We will WOC +/- 2 hrs ( or when surface samples are firm enough) to ensure cement is set up. TOC will be above the Lamar allowing for the fill up stage.

2<sup>nd</sup> Stage - Fill Up Stage Notes

After WOC to allow the Bradenhead Stage to set up, operator will proceed with the Fill Up Stage. Since there is only air in the annulus ( no fluid will be placed in annulus after bradenhead stage), we will pump cement with opposite valve set to allow air to displace out. Fill up cement will be mixed and pumped until returns are taken to surface to complete the fill up. This will confirm a solid column of cement in the annulus all the way to surface completing the top out job. Operator will WOC after cement returns have been taken to surface.

Casing String	TOC	% Excess
Surface	0'	50%
1 <sup>st</sup> Intermediate	0'	50%
Production	11,900'	35% OH in Lateral (KOP to EOL)

## Titus Oil &amp; Gas Production, LLC - El Campeon Fed Com 433H

## 4. Pressure Control Equipment

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

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
9-7/8"	13-5/8"	3M	Annular	x	3000 psi
			Blind Ram		3M
			Pipe Ram		
			Double Ram		
			Other*		
6-3/4"	13-5/8"	10M	Annular	x	50% testing pressure
			Blind Ram	x	5M
			VBR Ram	x	
			VBR Ram	x	
			Other*		

See attached 5M Annular Variance Well Control plan for Titus Oil & Gas Production, LLC.

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 valve (inside BOP) and choke lines and choke manifold.

Y	Formation integrity test will be performed per Onshore Order #2.  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.



## Titus Oil &amp; Gas Production, LLC - El Campeon Fed Com 433H

## 5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	9-5/8" Int shoe	Nova N-Gauge	8.4 - 9	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	10.8 - 11.8	35-45	<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	No 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 (If cement not circulated to surface)
Y	Mud log	Intermediate shoe to TD
N	PEX	

**Titus Oil & Gas Production, LLC - El Campeon Fed Com 433H****7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7830 psi at 12759' TVD
Abnormal Temperature	NO 180 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?
N	Is casing pre-set?

x	H <sub>2</sub> S Plan.
x	BOP & Choke Schematics.
x	Directional Plan
x	Multibowl Schematic



## Well Control Plan For 10M MASP Section of Wellbore

## 1. Component and Preventer Compatibility Table

The table below covers drilling and casing of the 10M MASP portion of the well and outlines the tubulars and the compatible preventers in use. Combined with the mud program, the below documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

Component	OD	Preventer	RWP
Drill pipe	4.5"	Upper 4.5-7" VBR Lower 4.5-7" VBR	10M
HWDP	4.5"		
Jars	4.5"		
Drill collars and MWD tools	4.75-5.75"		
Mud Motor	4.75-5.75"		
Production casing	5.5" x 5"		
ALL	0 - 13-5/8"	Annular	5M
Open-hole	-	Blind Rams	10M

VBR = Variable Bore Ram with compatible range listed in chart.

## 2. Well Control and Shut-In Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are minimum tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. The maximum pressure at which well control is transferred from the annular to another compatible ram is 2500 psi.

### Drilling:

1. Sound the alarm (alert rig crew)
2. Space out the drill string
3. Shut down pumps and stop the rotary
4. Shut-in the well with the annular with HCR and choke in closed position
5. Confirm the well is shut-in
6. Notify contractor and company representatives
7. Read and record the following data
  - Time of shut-in
  - SIDPP and SICP
  - Pit gain
8. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
9. Prepare for well kill operation.

### Tripping:

1. Sound alarm (alert rig crew)
2. Stab full opening safety valve and close the valve
3. Space out the drill string
4. Shut-in the well with the annular with HCR and choke in closed position
5. Confirm shut-in
6. Notify contractor and company representatives
7. Read and record the following data:



## Well Control Plan For 10M MASP Section of Wellbore

- Time of shut-in
  - SIDPP and SICP
  - Pit gain
8. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
  9. Prepare for well kill operation.

### Running Casing

1. Sound alarm (alert rig crew)
2. Stab crossover and valve and close the valve
3. Shut-in the well with annular with HCR and choke in closed position
4. Confirm shut-in
5. Notify contractor and company representatives
6. Read and record the following data
  - Time of shut-in
  - SIDPP and SICP
  - Pit gain
7. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
8. Prepare for well kill operation

### No Pipe in Hole (Open Hole)

1. Well will be shut in with blind rams and choke in closed position, while HCR is open at any point when pipe or BHA are not in BOP stack. If pressure increase is observed:
2. Sound alarm (alert crew)
3. Confirm shut-in
4. Notify contractor and company representatives
5. Read and record the following data
  - Time of shut-in
  - Time of pressure increase
  - SICP
6. Prepare for well kill operation

### Pulling BHA through BOP Stack

1. Prior to pulling last joint/stand of drillpipe through the stack, perform a flow check. If well is flowing:
  - a. Sound alarm (alert crew)
  - b. Stab full opening safety valve and close the valve
  - c. Space out the drill string
  - d. Shut-in the well with the annular with HCR and choke in closed position
  - e. Confirm shut-in
  - f. Notify contractor and company representatives
  - g. Read and record the following data
    - Time of shut-in
    - SIDPP and SICP
    - Pit gain
  - h. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
  - i. Prepare for well kill operation.



## Well Control Plan For 10M MASP Section of Wellbore

2. With BHA in the stack:
  - a. If possible to pick up high enough, pull BHA clear of the stack
    - i. Follow "Open Hole" procedure above
  - b. If impossible to pick up high enough to pull BHA clear of the stack:
    - i. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
    - ii. Space out drill string with tooljoint just beneath the upper pipe ram.
    - iii. Shut-in the well with upper pipe ram with HCR and choke in closed position
    - iv. Confirm shut-in
    - v. Notify contractor and company representatives
    - vi. Read and record the following:
      - Time of shut-in
      - SIDPP and SICP
      - Pit gain
    - vii. Prepare for well kill operation.

### 3. Well Control Drills

Well control drills are specific to the rig equipment, personnel and operation at the time a kick occurs. Each crew will execute one drill weekly relevant to ongoing operations, but will make a reasonable attempt to vary the type of drills. The drills will be recorded in the daily drilling log. Below are minimum tasks for respective well control drills.

#### Drilling/Pit:

Action	Responsible Party
Initiate Drill <ul style="list-style-type: none"> <li>• Lift Flow Sensor or Pit Float to indicate a kick</li> <li>• Immediately record start time</li> </ul>	Company Representative / Rig Manager
Recognition <ul style="list-style-type: none"> <li>• Driller and/or Crew recognizes indicator</li> <li>• Driller stop drilling, pick up off bottom and spaces out drill string, stop pumps and rotary</li> <li>• Conduct flow check</li> </ul>	Driller
Initiate Action <ul style="list-style-type: none"> <li>• Sound alarm, notify rig crew that the well is flowing</li> </ul>	Company Representative / Rig Manager
Reaction <ul style="list-style-type: none"> <li>• Driller moves BOP remote and stands by</li> <li>• Crew is at their assigned stations</li> <li>• Time is stopped</li> <li>• Record time and drill type in the Drilling Report</li> </ul>	Driller / Crew



## Well Control Plan For 10M MASP Section of Wellbore

Tripping Pit Drills (either in the hole or out of the hole)

Action	Responsible Party
Initiate Drill <ul style="list-style-type: none"> <li>Lift Flow Sensor or Pit Float to indicate a kick</li> <li>Immediately record start time</li> </ul>	Company Representative / Rig Manager
Recognition <ul style="list-style-type: none"> <li>Driller recognizes indicator</li> <li>Suspends tripping operations</li> <li>Conduct Flow Check</li> </ul>	Driller
Initiate Action <ul style="list-style-type: none"> <li>Sound alarm, notify rig crew that the well is flowing</li> </ul>	Company Representative / Rig Manager
Reaction <ul style="list-style-type: none"> <li>Position tool joint above rotary and set slips</li> <li>Stab FOSV and close valve</li> <li>Driller moves to BOP remote and stands by</li> <li>Crew is at their assigned stations</li> <li>Time is stopped</li> <li>Record time and drill type in the Drilling Report</li> </ul>	Driller / Crew

Choke

Action	Responsible Party
<ul style="list-style-type: none"> <li>Have designated choke operator on station at the choke panel</li> <li>Close annular preventer</li> <li>Pressure annulus up 200-300 psi</li> <li>Pump slowly to bump the float and obtain SIDPP</li> <li>At choke operator instruction, slowly bring pumps online to slow pump rate while holding casing pressure constant at the SICP.</li> <li>Allow time for the well to stabilize. Mark and record circulating drillpipe pressure.</li> <li>Measure time lag on drillpipe gauge after choke adjustments.</li> <li>Hold casing pressure constant as pumps are slowed down while choke is closed.</li> <li>Record time and drill type in the Drilling Report</li> </ul>	Company Man / Rig Manager & Rig Crew

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  
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District III

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District IV

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<b>1 API Number</b> 30-025-48112	<b>2 Pool Code</b> 98234	<b>3 Pool Name</b> WC-025 G-09 S263619C, Wolfcamp
<b>4 Property Code</b>	<b>5 Property Name</b> EL CAMPEON FED COM	<b>6 Well Number</b> 433H
<b>7 OGRID No.</b> 331165	<b>8 Operator Name</b> EARTHSTONE OPERATING LLC	<b>9 Elevation</b> 3175'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	20	26-S	35-E		581'	SOUTH	1912'	EAST	LEA

<sup>11</sup> State Line Crossing If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County (TX)
1	32	26S	35E	2	0'	SOUTH	1650'	EAST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
240	Y		

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

**\*BHL & LTP WILL BE IN TEXAS**

**16 SURFACE HOLE LOCATION (SHL)**  
NEW MEXICO EAST - NAD 83  
X=834597.16 LAT.= 32.02311458° N  
Y=373432.06 LONG.= 103.38707951° W  
NEW MEXICO EAST - NAD 27  
X=793408.83 LAT.= 32.02298802° N  
Y=373374.86 LONG.= 103.38661972° W  
581' FSL, 1912' FEL - SECTION 20

**FIRST TAKE POINT (FTP)**  
NEW MEXICO EAST - NAD 83  
X=834865.80 LAT.= 32.02124091° N  
Y=372752.74 LONG.= 103.38623203° W  
NEW MEXICO EAST - NAD 27  
X=793677.43 LAT.= 32.02111433° N  
Y=372695.56 LONG.= 103.38577238° W  
100' FNL, 1650' FEL - SECTION 29  
100' FNL, 331' FEL - LEASE

**STATE LINE CROSSING (SLC)**  
NEW MEXICO EAST - NAD 83  
X=834939.12 LAT.= 32.00029404° N  
Y=365132.52 LONG.= 103.38621089° W  
NEW MEXICO EAST - NAD 27  
X=793750.43 LAT.= 32.00016735° N  
Y=365075.54 LONG.= -103.38575241° W  
0' FSL, 1650' FEL - SECTION 32  
0' FSL, 331' FEL - LEASE  
MD = 20.950'

**LAST TAKE POINT (LTP)**  
TEXAS CENTRAL - NAD 83  
X=1350182.74 LAT.= 31.99524206° N  
Y=10702432.93 LONG.= 103.38620640° W  
TEXAS CENTRAL - NAD 27  
X=1053720.02 LAT.= 31.99511534° N  
Y=859853.94 LONG.= 103.38574806° W  
100' FSL, 3268' FEL - SECTION 25  
100' FSL, 331' FEL - LEASE

**BOTTOM HOLE LOCATION (BHL)**  
TEXAS CENTRAL - NAD 83  
X=1350180.26 LAT.= 31.99498233° N  
Y=10702338.47 LONG.= 103.38620606° W  
TEXAS CENTRAL - NAD 27  
X=1053717.53 LAT.= 31.99485560° N  
Y=859759.48 LONG.= 103.38574773° W  
10' FSL, 3297' FEL - SECTION 25  
10' FSL, 331' FEL - LEASE

**17 OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Roger Lowery* 11/28/2022  
Signature Date

**Roger Lowery**  
Printed Name

[rlowery@earthstoneenergy.com](mailto:rlowery@earthstoneenergy.com)  
E-mail Address

**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

**CHARLES L. JURICA** 11/28/2022  
Date of Survey

*Charles L. Jurica*  
Signature and Seal of Professional Surveyor

25490  
Certificate Number





# **Titus Oil & Gas Production, LLC**

**Lea County, NM - (NAD83 NME)**

**El Campeon Fed Com (NAD83)**

**El Campeon Fed Com 433H**

**OH**

**Plan 1 08-31-22**

## **Anticollision Report**

**31 August, 2022**





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Reference</b>	Plan 1 08-31-22		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 100.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum centre distance of 50,000.00usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	8/31/2022		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	22,125.24	Plan 1 08-31-22 (OH)	MWD+HRGM	OWSG MWD + HRGM

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						
Cattleman Fed Com 3						
Cattleman Fed Com 123H - OH / 69915 - Surveys (H&P 6	10,678.14	18,912.00	605.72	463.61	4.262	CC, ES
Cattleman Fed Com 123H - OH / 69915 - Surveys (H&P 6	10,700.00	18,912.00	606.11	463.74	4.257	SF
Cattleman Fed Com 213H - OH / 69914 - Surveys (H&P 6	11,063.73	19,250.00	70.70	1.50	1.022	Level 3, CC
Cattleman Fed Com 213H - OH / 69914 - Surveys (H&P 6	11,100.00	19,250.00	79.46	0.05	1.001	Level 3, ES, SF
Cattleman Fed Com 4						
Cattleman Fed Com 114H - OH / 69918 - Surveys (H&P 6	10,588.71	18,705.00	685.87	542.39	4.780	CC, ES
Cattleman Fed Com 114H - OH / 69918 - Surveys (H&P 6	10,600.00	18,705.00	685.96	542.45	4.780	SF
Cattleman Fed Com 204H - OH / 69917 - Surveys H&P 6	10,986.98	19,177.00	1,325.96	1,177.44	8.927	CC
Cattleman Fed Com 204H - OH / 69917 - Surveys H&P 6	11,000.00	19,177.00	1,326.03	1,177.36	8.919	ES
Cattleman Fed Com 204H - OH / 69917 - Surveys H&P 6	11,100.00	19,177.00	1,330.77	1,181.26	8.901	SF
Cattlemen Fed Com						
403H - OH / 68704 - Surveys (H&P 656)	12,500.00	20,991.00	179.86	90.53	2.013	ES, SF
403H - OH / 68704 - Surveys (H&P 656)	12,503.95	20,991.00	179.80	90.74	2.019	CC
422H - OH / 68635 - Surveys (H&P 625)	12,575.80	20,972.00	1,378.43	1,224.08	8.930	CC, ES
422H - OH / 68635 - Surveys (H&P 625)	12,650.00	20,972.00	1,381.35	1,226.42	8.916	SF
432H - OH / 68636 - Surveys (H&P 625)	12,606.03	21,094.00	1,972.01	1,817.20	12.738	CC, ES
432H - OH / 68636 - Surveys (H&P 625)	12,750.00	21,094.00	1,979.75	1,823.44	12.665	SF
433H - OH / 68696 - Surveys (H&P 656)	12,593.80	21,235.00	673.23	521.42	4.435	CC
433H - OH / 68696 - Surveys (H&P 656)	12,600.00	21,235.00	673.27	521.34	4.431	ES, SF
512H - OH / 68637 - Surveys (H&P 625)	12,724.99	21,477.00	1,745.92	1,590.91	11.263	CC, ES
512H - OH / 68637 - Surveys (H&P 625)	12,800.00	21,477.00	1,748.94	1,593.04	11.219	SF
513H - OH / 68705 - Surveys (H&P 656)	12,735.88	21,474.00	527.46	418.75	4.852	CC, ES, SF
Cattlemen Fed Com - Deep						
Cattleman Fed Com 404H - OH / 67732 - Surveys (H&P 4	12,471.26	20,964.00	1,300.18	1,153.26	8.849	CC, ES
Cattleman Fed Com 404H - OH / 67732 - Surveys (H&P 4	12,500.00	20,964.00	1,300.60	1,153.49	8.841	SF
Cattleman Fed Com 434H - OH / 67733 - Surveys (H&P 4	12,550.00	21,131.00	721.39	584.19	5.258	SF
Cattleman Fed Com 434H - OH / 67733 - Surveys (H&P 4	12,580.22	21,131.00	720.46	583.49	5.260	CC, ES
Cattleman Fed Com 514H - OH / 67734 - Surveys (H&P 4	12,721.61	21,341.00	1,256.34	1,120.91	9.277	CC, ES, SF

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

## Summary

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
El Campeon Fed Com						
214H - OH / 68221 - Surveys (H&P 474)	10,966.69	11,179.45	452.12	390.24	7.306	CC, ES
214H - OH / 68221 - Surveys (H&P 474)	11,000.00	11,189.66	453.22	391.03	7.287	SF
404H - OH / 68222 - Surveys (H&P 474)	12,306.75	12,353.31	1,097.60	1,035.97	17.811	CC, ES
404H - OH / 68222 - Surveys (H&P 474)	20,200.00	20,525.00	1,294.02	1,045.30	5.203	SF
434H - OH / 68223 - Surveys (H&P 474)	12,654.85	13,321.96	558.26	491.68	8.385	CC
434H - OH / 68223 - Surveys (H&P 474)	20,169.76	20,912.00	673.16	426.05	2.724	ES, SF
514H - OH / 68224 - Surveys (H&P 474)	19,046.04	19,785.12	992.46	779.92	4.670	CC
514H - OH / 68224 - Surveys (H&P 474)	20,200.00	20,918.00	994.75	750.52	4.073	ES, SF
El Campeon Fed Com (NAD83)						
El Campeon Fed Com 412H - OH - Plan 1 08-31-22	1,500.00	1,499.00	1,290.22	1,280.66	134.917	CC, ES
El Campeon Fed Com 412H - OH - Plan 1 08-31-22	22,125.24	22,492.58	1,978.84	1,679.15	6.603	SF
El Campeon Fed Com 413H - OH - Plan 1 08-31-22	1,500.00	1,500.00	60.07	50.51	6.280	CC, ES
El Campeon Fed Com 413H - OH - Plan 1 08-31-22	22,125.24	21,988.93	667.62	372.91	2.265	SF
El Campeon Fed Com 432H - OH - Plan 1 08-31-22	1,631.38	1,651.64	1,230.01	1,220.08	123.962	CC
El Campeon Fed Com 432H - OH - Plan 1 08-31-22	22,125.24	22,331.21	1,317.76	1,020.48	4.433	ES, SF
El Campeon Fed Com 512H - OH - Plan 1 08-31-22	1,500.00	1,499.00	1,260.21	1,250.65	131.778	CC, ES
El Campeon Fed Com 512H - OH - Plan 1 08-31-22	22,125.24	22,679.56	1,809.34	1,515.57	6.159	SF
El Campeon Fed Com 513H - OH - Plan 1 08-31-22	1,500.00	1,499.00	29.98	20.42	3.135	CC, ES
El Campeon Fed Com 513H - OH - Plan 1 08-31-22	22,125.24	22,657.81	399.93	179.43	1.814	SF

## Offset Design: Cattleman Fed Com 3 - Cattleman Fed Com 123H - OH / 69915 - Surveys (H&amp;P 616)

Survey Program: 206-MWD+HRGM		Rule Assigned:										Offset Well Error: 1.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	53.28	4.28	1.00	1.06	-0.895	7,680.20	-120.03	7,681.14				
100.00	100.00	162.00	113.00	1.08	1.47	-0.898	7,680.07	-120.32	7,681.02	7,678.48	2.54	3,018.712	
200.00	200.00	265.48	216.48	1.60	2.03	-0.901	7,679.85	-120.80	7,680.82	7,677.20	3.62	2,123.600	
300.00	300.00	363.32	314.32	2.01	2.59	-0.904	7,679.64	-121.14	7,680.61	7,676.04	4.57	1,680.309	
400.00	400.00	457.69	408.69	2.35	3.07	-0.906	7,679.49	-121.50	7,680.46	7,675.08	5.37	1,429.101	
500.00	500.00	551.76	502.76	2.65	3.38	-0.909	7,679.42	-121.90	7,680.38	7,674.43	5.95	1,290.465	
600.00	600.00	654.00	604.99	2.93	3.62	-0.913	7,679.37	-122.41	7,680.34	7,673.91	6.43	1,194.067	
633.68	633.68	682.68	633.68	3.01	3.69	-0.914	7,679.35	-122.58	7,680.33	7,673.76	6.57	1,169.143	
700.00	700.00	736.58	687.58	3.18	3.81	-0.917	7,679.39	-122.90	7,680.38	7,673.55	6.83	1,123.911	
800.00	800.00	840.54	791.53	3.41	4.04	-0.921	7,679.55	-123.50	7,680.54	7,673.29	7.25	1,059.454	
900.00	900.00	936.91	887.90	3.64	4.25	-0.926	7,679.67	-124.12	7,680.68	7,673.05	7.63	1,006.111	
1,000.00	1,000.00	1,047.12	998.11	3.85	4.50	-0.931	7,679.77	-124.80	7,680.78	7,672.75	8.03	956.775	
1,100.00	1,100.00	1,150.63	1,101.61	4.05	4.70	-0.935	7,679.72	-125.36	7,680.75	7,672.38	8.37	918.149	
1,200.00	1,200.00	1,270.30	1,221.29	4.24	5.04	-0.939	7,679.55	-125.83	7,680.61	7,671.77	8.84	868.837	
1,300.00	1,300.00	1,406.06	1,357.04	4.43	5.36	-0.944	7,678.87	-126.52	7,680.12	7,670.83	9.29	826.648	
1,400.00	1,400.00	1,474.16	1,425.14	4.61	5.50	-0.946	7,678.54	-126.80	7,679.63	7,670.05	9.58	801.667	
1,500.00	1,500.00	1,566.52	1,517.50	4.78	5.63	-0.947	7,678.30	-126.92	7,679.37	7,669.48	9.89	776.695	
1,506.93	1,506.93	1,573.22	1,524.20	4.79	5.64	-158.340	7,678.29	-126.92	7,679.36	7,669.45	9.91	774.988	
1,600.00	1,599.98	1,690.97	1,641.95	4.98	5.78	-158.336	7,677.85	-126.81	7,680.64	7,670.39	10.25	749.298	
1,699.91	1,699.74	1,772.00	1,722.98	5.60	5.91	-158.315	7,677.60	-126.87	7,685.17	7,674.23	10.93	702.861	
1,800.00	1,799.59	1,863.58	1,814.55	5.91	6.05	-158.333	7,677.44	-126.91	7,691.47	7,680.11	11.35	677.417	
1,900.00	1,899.35	1,960.00	1,910.98	6.08	6.19	-158.353	7,677.25	-127.01	7,697.76	7,686.11	11.65	660.520	
2,000.00	1,999.11	2,055.63	2,006.61	6.27	6.37	-158.373	7,677.12	-127.21	7,704.11	7,692.13	11.98	643.165	
2,100.00	2,098.86	2,172.02	2,123.00	6.47	6.48	-158.393	7,676.81	-126.94	7,710.31	7,697.99	12.32	625.923	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 3 - Cattleman Fed Com 123H - OH / 69915 - Surveys (H&P 616)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 206-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,200.00	2,198.62	2,252.45	2,203.43	6.68	6.51	-158.404	7,676.68	-126.41	7,716.62	7,704.01	12.62	611.649	
2,300.00	2,298.38	2,338.00	2,288.97	6.91	6.53	-158.416	7,676.63	-125.76	7,723.05	7,710.13	12.92	597.721	
2,400.00	2,398.13	2,407.81	2,358.78	7.15	6.61	-158.429	7,676.78	-125.69	7,729.78	7,716.56	13.22	584.831	
2,500.00	2,497.89	2,432.00	2,382.97	7.41	6.63	-158.435	7,676.93	-125.89	7,737.17	7,723.69	13.48	574.163	
2,600.00	2,597.65	2,470.30	2,421.26	7.67	6.74	-158.447	7,677.48	-126.63	7,745.39	7,731.56	13.83	560.084	
2,700.00	2,697.40	2,526.00	2,476.88	7.94	6.91	-158.475	7,679.34	-128.94	7,754.90	7,740.66	14.24	544.567	
2,800.00	2,797.16	2,526.00	2,476.88	8.21	6.91	-158.475	7,679.34	-128.94	7,764.87	7,750.37	14.49	535.784	
2,900.00	2,896.92	2,526.00	2,476.88	8.50	6.91	-158.475	7,679.34	-128.94	7,776.10	7,761.35	14.75	527.251	
3,000.00	2,996.67	18,789.56	10,679.53	8.79	119.08	126.331	-437.33	-361.12	7,701.02	7,625.59	75.43	102.101	
3,100.00	3,096.43	18,791.46	10,679.44	9.08	119.11	126.162	-439.22	-361.13	7,601.35	7,525.80	75.56	100.605	
3,200.00	3,196.19	18,793.35	10,679.36	9.38	119.13	125.992	-441.11	-361.14	7,501.69	7,426.00	75.69	99.111	
3,300.00	3,295.94	18,795.25	10,679.27	9.69	119.16	125.822	-443.00	-361.15	7,402.04	7,326.21	75.83	97.618	
3,400.00	3,395.70	18,797.14	10,679.18	10.00	119.19	125.652	-444.89	-361.15	7,302.40	7,226.43	75.97	96.128	
3,500.00	3,495.46	18,799.03	10,679.10	10.31	119.21	125.481	-446.78	-361.16	7,202.76	7,126.66	76.11	94.640	
3,600.00	3,595.21	18,800.93	10,679.01	10.63	119.24	125.310	-448.68	-361.17	7,103.14	7,026.89	76.25	93.154	
3,700.00	3,694.97	18,802.82	10,678.93	10.95	119.27	125.139	-450.57	-361.18	7,003.53	6,927.13	76.40	91.671	
3,800.00	3,794.73	18,804.71	10,678.84	11.27	119.29	124.968	-452.46	-361.19	6,903.92	6,827.38	76.55	90.190	
3,900.00	3,894.48	18,806.61	10,678.75	11.60	119.32	124.797	-454.35	-361.19	6,804.33	6,727.63	76.70	88.712	
4,000.00	3,994.24	18,808.50	10,678.67	11.93	119.35	124.625	-456.24	-361.20	6,704.75	6,627.90	76.86	87.237	
4,100.00	4,094.00	18,810.39	10,678.58	12.26	119.37	124.453	-458.13	-361.21	6,605.19	6,528.17	77.01	85.765	
4,200.00	4,193.75	18,812.29	10,678.50	12.59	119.40	124.281	-460.02	-361.22	6,505.63	6,428.45	77.18	84.296	
4,300.00	4,293.51	18,814.18	10,678.41	12.93	119.43	124.109	-461.92	-361.23	6,406.09	6,328.75	77.34	82.830	
4,400.00	4,393.27	18,816.07	10,678.33	13.26	119.45	123.937	-463.81	-361.23	6,306.56	6,229.05	77.51	81.368	
4,500.00	4,493.02	18,817.97	10,678.24	13.60	119.48	123.764	-465.70	-361.24	6,207.05	6,129.37	77.68	79.908	
4,600.00	4,592.78	18,819.86	10,678.15	13.94	119.51	123.591	-467.59	-361.25	6,107.55	6,029.70	77.85	78.453	
4,700.00	4,692.54	18,821.75	10,678.07	14.28	119.53	123.418	-469.48	-361.26	6,008.07	5,930.04	78.03	77.001	
4,800.00	4,792.29	18,823.65	10,677.98	14.62	119.56	123.245	-471.37	-361.26	5,908.60	5,830.40	78.20	75.553	
4,900.00	4,892.05	18,825.54	10,677.90	14.97	119.59	123.072	-473.27	-361.27	5,809.16	5,730.77	78.39	74.109	
5,000.00	4,991.81	18,827.43	10,677.81	15.31	119.61	122.898	-475.16	-361.28	5,709.73	5,631.16	78.57	72.669	
5,100.00	5,091.56	18,829.33	10,677.72	15.66	119.64	122.724	-477.05	-361.29	5,610.32	5,531.56	78.76	71.233	
5,200.00	5,191.32	18,831.22	10,677.64	16.00	119.67	122.550	-478.94	-361.30	5,510.93	5,431.98	78.95	69.801	
5,300.00	5,291.08	18,833.11	10,677.55	16.35	119.69	122.376	-480.83	-361.30	5,411.57	5,332.42	79.15	68.374	
5,400.00	5,390.83	18,835.01	10,677.47	16.70	119.72	122.202	-482.72	-361.31	5,312.22	5,232.88	79.34	66.951	
5,500.00	5,490.59	18,836.90	10,677.38	17.05	119.75	122.027	-484.61	-361.32	5,212.90	5,133.36	79.55	65.533	
5,600.00	5,590.35	18,838.80	10,677.29	17.40	119.77	121.852	-486.51	-361.33	5,113.61	5,033.86	79.75	64.119	
5,700.00	5,690.10	18,840.69	10,677.21	17.75	119.80	121.677	-488.40	-361.34	5,014.35	4,934.39	79.96	62.709	
5,800.00	5,789.86	18,842.58	10,677.12	18.10	119.83	121.502	-490.29	-361.34	4,915.11	4,834.94	80.17	61.305	
5,900.00	5,889.62	18,844.48	10,677.04	18.46	119.85	121.327	-492.18	-361.35	4,815.91	4,735.51	80.39	59.906	
6,000.00	5,989.37	18,846.37	10,676.95	18.81	119.88	121.152	-494.07	-361.36	4,716.73	4,636.12	80.61	58.511	
6,100.00	6,089.13	18,848.26	10,676.86	19.16	119.91	120.976	-495.96	-361.37	4,617.60	4,536.76	80.84	57.122	
6,200.00	6,188.89	18,850.16	10,676.78	19.52	119.93	120.801	-497.86	-361.38	4,518.49	4,437.43	81.07	55.737	
6,300.00	6,288.64	18,852.05	10,676.69	19.87	119.96	120.625	-499.75	-361.38	4,419.43	4,338.13	81.30	54.358	
6,400.00	6,388.40	18,853.94	10,676.61	20.22	119.99	120.449	-501.64	-361.39	4,320.42	4,238.87	81.54	52.984	
6,500.00	6,488.16	18,855.84	10,676.52	20.58	120.01	120.273	-503.53	-361.40	4,221.44	4,139.66	81.79	51.616	
6,600.00	6,587.91	18,857.73	10,676.44	20.94	120.04	120.096	-505.42	-361.41	4,122.52	4,040.48	82.04	50.253	
6,700.00	6,687.67	18,859.62	10,676.35	21.29	120.07	119.920	-507.31	-361.42	4,023.65	3,941.36	82.29	48.895	
6,800.00	6,787.43	18,861.52	10,676.26	21.65	120.09	119.743	-509.20	-361.42	3,924.83	3,842.28	82.55	47.544	
6,900.00	6,887.18	18,863.41	10,676.18	22.01	120.12	119.567	-511.10	-361.43	3,826.08	3,743.26	82.82	46.197	
7,000.00	6,986.94	18,865.30	10,676.09	22.36	120.15	119.390	-512.99	-361.44	3,727.39	3,644.29	83.09	44.857	
7,100.00	7,086.70	18,867.20	10,676.01	22.72	120.17	119.213	-514.88	-361.45	3,628.77	3,545.39	83.38	43.523	
7,200.00	7,186.45	18,869.09	10,675.92	23.08	120.20	119.036	-516.77	-361.46	3,530.23	3,446.56	83.67	42.194	
7,300.00	7,286.21	18,870.98	10,675.83	23.44	120.23	118.859	-518.66	-361.46	3,431.77	3,347.80	83.97	40.871	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design:		Cattleman Fed Com 3 - Cattleman Fed Com 123H - OH / 69915 - Surveys (H&P 616)												Offset Site Error: 0.00 usft	
Survey Program:		206-MWD+HRGM						Rule Assigned:						Offset Well Error: 1.00 usft	
Reference		Offset		Semi Maior Axis		Offset Wellbore Centre		Distance				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
7,400.00	7,385.97	18,872.88	10,675.75	23.80	120.25	118.682	-520.55	-361.47	3,333.40	3,249.13	84.27	39.554			
7,500.00	7,485.72	18,874.77	10,675.66	24.16	120.28	118.504	-522.45	-361.48	3,235.13	3,150.54	84.59	38.244			
7,600.00	7,585.48	18,876.67	10,675.58	24.52	120.31	118.327	-524.34	-361.49	3,136.97	3,052.05	84.92	36.939			
7,700.00	7,685.24	18,878.56	10,675.49	24.88	120.34	118.149	-526.23	-361.49	3,038.93	2,953.66	85.27	35.641			
7,800.00	7,784.99	18,880.45	10,675.40	25.24	120.36	117.971	-528.12	-361.50	2,941.02	2,855.39	85.62	34.349			
7,900.00	7,884.75	18,882.35	10,675.32	25.60	120.39	117.794	-530.01	-361.51	2,843.25	2,757.25	86.00	33.063			
8,000.00	7,984.51	18,884.24	10,675.23	25.96	120.42	117.616	-531.90	-361.52	2,745.64	2,659.26	86.39	31.783			
8,100.00	8,084.26	18,886.13	10,675.15	26.32	120.44	117.438	-533.79	-361.53	2,648.21	2,561.41	86.80	30.510			
8,200.00	8,184.02	18,888.03	10,675.06	26.68	120.47	117.260	-535.69	-361.53	2,550.98	2,463.75	87.23	29.244			
8,300.00	8,283.78	18,889.92	10,674.98	27.04	120.50	117.081	-537.58	-361.54	2,453.97	2,366.27	87.69	27.984			
8,400.00	8,383.53	18,891.81	10,674.89	27.40	120.52	116.903	-539.47	-361.55	2,357.20	2,269.02	88.18	26.730			
8,500.00	8,483.29	18,893.71	10,674.80	27.76	120.55	116.725	-541.36	-361.56	2,260.72	2,172.01	88.71	25.484			
8,600.00	8,583.05	18,895.60	10,674.72	28.12	120.58	116.546	-543.25	-361.57	2,164.55	2,075.27	89.28	24.245			
8,700.00	8,682.80	18,897.49	10,674.63	28.48	120.60	116.368	-545.14	-361.57	2,068.75	1,978.85	89.90	23.012			
8,800.00	8,782.56	18,899.39	10,674.55	28.85	120.63	116.189	-547.04	-361.58	1,973.36	1,882.78	90.57	21.787			
8,900.00	8,882.32	18,901.28	10,674.46	29.21	120.66	116.011	-548.93	-361.59	1,878.45	1,787.13	91.32	20.571			
9,000.00	8,982.07	18,903.17	10,674.37	29.57	120.68	115.832	-550.82	-361.60	1,784.09	1,691.94	92.14	19.362			
9,100.00	9,081.83	18,905.07	10,674.29	29.93	120.71	115.653	-552.71	-361.61	1,690.38	1,597.31	93.07	18.163			
9,200.00	9,181.59	18,906.96	10,674.20	30.30	120.74	115.474	-554.60	-361.61	1,597.42	1,503.31	94.12	16.973			
9,300.00	9,281.34	18,908.85	10,674.12	30.66	120.76	115.296	-556.49	-361.62	1,505.37	1,410.07	95.31	15.795			
9,400.00	9,381.10	18,910.75	10,674.03	31.02	120.79	115.117	-558.38	-361.63	1,414.40	1,317.72	96.68	14.630			
9,500.00	9,480.86	18,912.00	10,673.97	31.39	120.81	114.998	-559.64	-361.63	1,324.73	1,226.46	98.27	13.481			
9,600.00	9,580.61	18,912.00	10,673.97	31.75	120.81	114.998	-559.64	-361.63	1,236.64	1,136.52	100.12	12.352			
9,700.00	9,680.37	18,912.00	10,673.97	32.11	120.81	114.998	-559.64	-361.63	1,150.50	1,048.20	102.30	11.246			
9,800.00	9,780.13	18,912.00	10,673.97	32.48	120.81	114.998	-559.64	-361.63	1,066.78	961.89	104.89	10.170			
9,900.00	9,879.88	18,912.00	10,673.97	32.84	120.81	114.998	-559.64	-361.63	986.10	878.14	107.96	9.134			
10,000.00	9,979.64	18,912.00	10,673.97	33.20	120.81	114.998	-559.64	-361.63	909.27	797.68	111.59	8.149			
10,100.00	10,079.39	18,912.00	10,673.97	33.57	120.81	114.998	-559.64	-361.63	837.34	721.52	115.82	7.229			
10,200.00	10,179.15	18,912.00	10,673.97	33.93	120.81	114.998	-559.64	-361.63	771.69	651.03	120.67	6.395			
10,300.00	10,278.91	18,912.00	10,673.97	34.29	120.81	114.998	-559.64	-361.63	714.06	588.08	125.98	5.668			
10,400.00	10,378.66	18,912.00	10,673.97	34.66	120.81	114.998	-559.64	-361.63	666.53	535.08	131.44	5.071			
10,500.00	10,478.42	18,912.00	10,673.97	35.02	120.81	114.998	-559.64	-361.63	631.37	494.90	136.48	4.626			
10,600.00	10,578.18	18,912.00	10,673.97	35.39	120.81	114.998	-559.64	-361.63	610.74	470.40	140.34	4.352			
10,678.14	10,656.13	18,912.00	10,673.97	35.67	120.81	114.998	-559.64	-361.63	605.72	463.61	142.11	4.262 CC, ES			
10,700.00	10,677.93	18,912.00	10,673.97	35.75	120.81	114.998	-559.64	-361.63	606.11	463.74	142.38	4.257 SF			
10,800.00	10,777.69	18,912.00	10,673.97	36.12	120.81	114.998	-559.64	-361.63	617.86	475.53	142.32	4.341			
10,900.00	10,877.45	18,912.00	10,673.97	36.48	120.81	114.998	-559.64	-361.63	645.07	504.63	140.44	4.593			
11,000.00	10,977.20	18,912.00	10,673.97	36.85	120.81	114.998	-559.64	-361.63	685.92	548.58	137.34	4.994			
11,100.00	11,076.96	18,912.00	10,673.97	37.21	120.81	114.998	-559.64	-361.63	738.15	604.46	133.69	5.521			
11,200.00	11,176.72	18,912.00	10,673.97	37.57	120.81	114.998	-559.64	-361.63	799.52	669.55	129.97	6.152			
11,300.00	11,276.47	18,912.00	10,673.97	37.94	120.81	114.998	-559.64	-361.63	868.11	741.61	126.50	6.863			
11,400.00	11,376.23	18,912.00	10,673.97	38.30	120.81	114.998	-559.64	-361.63	942.33	818.93	123.40	7.636			
11,500.00	11,475.99	18,912.00	10,673.97	38.67	120.81	114.998	-559.64	-361.63	1,020.96	900.23	120.73	8.457			
11,510.34	11,486.30	18,912.00	10,673.97	38.71	120.81	114.998	-559.64	-361.63	1,029.30	908.82	120.47	8.544			
11,600.00	11,575.83	18,912.00	10,673.97	39.02	120.81	117.295	-559.64	-361.63	1,102.72	984.30	118.42	9.312			
11,700.00	11,675.80	18,912.00	10,673.97	39.33	120.81	119.984	-559.64	-361.63	1,186.44	1,070.03	116.41	10.192			
11,710.24	11,686.04	18,912.00	10,673.97	39.34	120.81	-82.342	-559.64	-361.63	1,195.11	1,078.89	116.22	10.284			
11,800.00	11,775.80	18,912.00	10,673.97	39.34	120.81	-82.342	-559.64	-361.63	1,272.01	1,157.35	114.66	11.094			
11,900.00	11,875.80	18,912.00	10,673.97	39.35	120.81	-82.342	-559.64	-361.63	1,359.55	1,246.33	113.22	12.008			
12,000.00	11,975.80	18,912.00	10,673.97	39.35	120.81	-82.342	-559.64	-361.63	1,448.71	1,336.67	112.04	12.931			
12,100.00	12,075.80	18,912.00	10,673.97	39.36	120.81	-82.342	-559.64	-361.63	1,539.19	1,428.12	111.07	13.858			
12,200.00	12,175.80	18,912.00	10,673.97	39.36	120.81	-82.342	-559.64	-361.63	1,630.79	1,520.51	110.29	14.787			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 3 - Cattleman Fed Com 123H - OH / 69915 - Surveys (H&P 616)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 206-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
12,210.24	12,186.04	18,912.00	10,673.97	39.36	120.81	-82.342	-559.64	-361.63	1,640.23	1,530.01	110.21	14.882	
12,250.00	12,225.77	18,912.00	10,673.97	39.43	120.81	88.572	-559.64	-361.63	1,677.00	1,567.04	109.96	15.251	
12,300.00	12,275.43	18,912.00	10,673.97	39.69	120.81	76.307	-559.64	-361.63	1,723.37	1,613.68	109.69	15.711	
12,350.00	12,324.42	18,912.00	10,673.97	39.98	120.81	64.946	-559.64	-361.63	1,769.56	1,660.09	109.47	16.165	
12,400.00	12,372.35	18,912.00	10,673.97	40.29	120.81	55.215	-559.64	-361.63	1,815.24	1,705.95	109.29	16.610	
12,450.00	12,418.86	18,912.00	10,673.97	40.60	120.81	47.279	-559.64	-361.63	1,860.12	1,750.98	109.15	17.042	
12,500.00	12,463.61	18,912.00	10,673.97	40.91	120.81	40.955	-559.64	-361.63	1,903.93	1,794.89	109.04	17.462	
12,550.00	12,506.24	18,912.00	10,673.97	41.22	120.81	35.947	-559.64	-361.63	1,946.41	1,837.46	108.95	17.865	
12,600.00	12,546.43	18,912.00	10,673.97	41.50	120.81	31.967	-559.64	-361.63	1,987.33	1,878.45	108.88	18.252	
12,650.00	12,583.88	18,912.00	10,673.97	41.78	120.81	28.781	-559.64	-361.63	2,026.50	1,917.67	108.83	18.621	
12,700.00	12,618.30	18,912.00	10,673.97	42.03	120.81	26.208	-559.64	-361.63	2,063.71	1,954.93	108.78	18.971	
12,750.00	12,649.43	18,912.00	10,673.97	42.27	120.81	24.113	-559.64	-361.63	2,098.80	1,990.06	108.74	19.301	
12,800.00	12,677.04	18,912.00	10,673.97	42.47	120.81	22.395	-559.64	-361.63	2,131.61	2,022.92	108.69	19.611	
12,850.00	12,700.91	18,912.00	10,673.97	42.66	120.81	20.981	-559.64	-361.63	2,162.00	2,053.36	108.64	19.900	
12,900.00	12,720.86	18,912.00	10,673.97	42.81	120.81	19.812	-559.64	-361.63	2,189.84	2,081.26	108.58	20.168	
12,950.00	12,736.74	18,912.00	10,673.97	42.94	120.81	18.846	-559.64	-361.63	2,215.03	2,106.52	108.51	20.413	
13,000.00	12,748.43	18,912.00	10,673.97	43.04	120.81	18.052	-559.64	-361.63	2,237.45	2,129.03	108.42	20.637	
13,050.00	12,755.84	18,912.00	10,673.97	43.11	120.81	17.403	-559.64	-361.63	2,257.04	2,148.72	108.32	20.837	
13,100.00	12,758.91	18,912.00	10,673.97	43.15	120.81	16.882	-559.64	-361.63	2,273.71	2,165.51	108.20	21.014	
13,110.24	12,759.00	18,912.00	10,673.97	43.16	120.81	16.790	-559.64	-361.63	2,276.76	2,168.61	108.15	21.052	
13,200.00	12,759.00	18,912.00	10,673.97	43.21	120.81	16.790	-559.64	-361.63	2,304.52	2,196.85	107.68	21.402	
13,300.00	12,759.00	18,912.00	10,673.97	43.28	120.81	16.790	-559.64	-361.63	2,339.13	2,232.06	107.06	21.848	
13,400.00	12,759.00	18,912.00	10,673.97	43.36	120.81	16.790	-559.64	-361.63	2,377.44	2,271.07	106.37	22.351	
13,500.00	12,759.00	18,912.00	10,673.97	43.45	120.81	16.790	-559.64	-361.63	2,419.28	2,313.67	105.61	22.907	
13,600.00	12,759.00	18,912.00	10,673.97	43.56	120.81	16.790	-559.64	-361.63	2,464.47	2,359.67	104.80	23.516	
13,700.00	12,759.00	18,912.00	10,673.97	43.70	120.81	16.790	-559.64	-361.63	2,512.83	2,408.89	103.94	24.176	
13,800.00	12,759.00	18,912.00	10,673.97	43.86	120.81	16.790	-559.64	-361.63	2,564.17	2,461.13	103.05	24.884	
13,900.00	12,759.00	18,912.00	10,673.97	44.05	120.81	16.790	-559.64	-361.63	2,618.34	2,516.21	102.13	25.638	
14,000.00	12,759.00	18,912.00	10,673.97	44.28	120.81	16.790	-559.64	-361.63	2,675.14	2,573.95	101.19	26.436	
14,100.00	12,759.00	18,912.00	10,673.97	44.57	120.81	16.790	-559.64	-361.63	2,734.42	2,634.18	100.25	27.277	
14,200.00	12,759.00	18,912.00	10,673.97	44.91	120.81	16.790	-559.64	-361.63	2,796.03	2,696.73	99.30	28.158	
14,300.00	12,759.00	18,912.00	10,673.97	45.32	120.81	16.790	-559.64	-361.63	2,859.80	2,761.45	98.35	29.077	
14,400.00	12,759.00	18,912.00	10,673.97	45.81	120.81	16.790	-559.64	-361.63	2,925.60	2,828.19	97.42	30.032	
14,500.00	12,759.00	18,912.00	10,673.97	46.40	120.81	16.790	-559.64	-361.63	2,993.30	2,896.81	96.49	31.022	
14,600.00	12,759.00	18,912.00	10,673.97	47.09	120.81	16.790	-559.64	-361.63	3,062.77	2,967.19	95.58	32.044	
14,700.00	12,759.00	18,912.00	10,673.97	47.88	120.81	16.790	-559.64	-361.63	3,133.89	3,039.20	94.69	33.096	
14,800.00	12,759.00	18,912.00	10,673.97	48.76	120.81	16.790	-559.64	-361.63	3,206.55	3,112.73	93.82	34.178	
14,900.00	12,759.00	18,912.00	10,673.97	49.72	120.81	16.790	-559.64	-361.63	3,280.65	3,187.67	92.97	35.287	
15,000.00	12,759.00	18,912.00	10,673.97	50.75	120.81	16.790	-559.64	-361.63	3,356.09	3,263.94	92.15	36.421	
15,100.00	12,759.00	18,912.00	10,673.97	51.84	120.81	16.790	-559.64	-361.63	3,432.79	3,341.44	91.35	37.580	
15,200.00	12,759.00	18,912.00	10,673.97	52.98	120.81	16.790	-559.64	-361.63	3,510.66	3,420.09	90.57	38.761	
15,300.00	12,759.00	18,912.00	10,673.97	54.15	120.81	16.790	-559.64	-361.63	3,589.63	3,499.80	89.82	39.963	
15,400.00	12,759.00	18,912.00	10,673.97	55.36	120.81	16.790	-559.64	-361.63	3,669.62	3,580.52	89.10	41.186	
15,500.00	12,759.00	18,912.00	10,673.97	56.60	120.81	16.790	-559.64	-361.63	3,750.57	3,662.17	88.40	42.427	
15,600.00	12,759.00	18,912.00	10,673.97	57.85	120.81	16.790	-559.64	-361.63	3,832.43	3,744.70	87.73	43.685	
15,700.00	12,759.00	18,912.00	10,673.97	59.13	120.81	16.790	-559.64	-361.63	3,915.12	3,828.04	87.08	44.959	
15,800.00	12,759.00	18,912.00	10,673.97	60.42	120.81	16.790	-559.64	-361.63	3,998.61	3,912.15	86.46	46.249	
15,900.00	12,759.00	18,912.00	10,673.97	61.72	120.81	16.790	-559.64	-361.63	4,082.84	3,996.98	85.86	47.552	
16,000.00	12,759.00	18,912.00	10,673.97	63.04	120.81	16.790	-559.64	-361.63	4,167.77	4,082.48	85.29	48.868	
16,100.00	12,759.00	18,912.00	10,673.97	64.36	120.81	16.790	-559.64	-361.63	4,253.35	4,168.62	84.73	50.197	
16,200.00	12,759.00	18,912.00	10,673.97	65.69	120.81	16.790	-559.64	-361.63	4,339.55	4,255.34	84.20	51.536	
16,300.00	12,759.00	18,912.00	10,673.97	67.03	120.81	16.790	-559.64	-361.63	4,426.33	4,342.63	83.70	52.885	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattleman Fed Com 3 - Cattleman Fed Com 123H - OH / 69915 - Surveys (H&P 616)													Offset Site Error:	0.00 usft	
Survey Program:		206-MWD+HRGM								Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
16,400.00	12,759.00	18,912.00	10,673.97	68.37	120.81	16.790	-559.64	-361.63	4,513.65	4,430.44	83.21	54.244			
16,500.00	12,759.00	18,912.00	10,673.97	69.73	120.81	16.790	-559.64	-361.63	4,601.50	4,518.75	82.74	55.611			
16,600.00	12,759.00	18,912.00	10,673.97	71.08	120.81	16.790	-559.64	-361.63	4,689.82	4,607.53	82.30	56.986			
16,700.00	12,759.00	18,912.00	10,673.97	72.44	120.81	16.790	-559.64	-361.63	4,778.61	4,696.74	81.87	58.368			
16,800.00	12,759.00	18,912.00	10,673.97	73.81	120.81	16.790	-559.64	-361.63	4,867.84	4,786.38	81.46	59.756			
16,900.00	12,759.00	18,912.00	10,673.97	75.18	120.81	16.790	-559.64	-361.63	4,957.47	4,876.40	81.07	61.150			
17,000.00	12,759.00	18,912.00	10,673.97	76.55	120.81	16.790	-559.64	-361.63	5,047.50	4,966.80	80.70	62.549			
17,100.00	12,759.00	18,912.00	10,673.97	77.92	120.81	16.790	-559.64	-361.63	5,137.89	5,057.55	80.34	63.952			
17,200.00	12,759.00	18,912.00	10,673.97	79.30	120.81	16.790	-559.64	-361.63	5,228.64	5,148.64	80.00	65.359			
17,300.00	12,759.00	18,912.00	10,673.97	80.68	120.81	16.790	-559.64	-361.63	5,319.71	5,240.04	79.67	66.770			
17,400.00	12,759.00	18,912.00	10,673.97	82.07	120.81	16.790	-559.64	-361.63	5,411.10	5,331.74	79.36	68.183			
17,500.00	12,759.00	18,912.00	10,673.97	83.45	120.81	16.790	-559.64	-361.63	5,502.79	5,423.73	79.06	69.599			
17,600.00	12,759.00	18,912.00	10,673.97	84.84	120.81	16.790	-559.64	-361.63	5,594.77	5,515.98	78.78	71.016			
17,700.00	12,759.00	18,912.00	10,673.97	86.23	120.81	16.790	-559.64	-361.63	5,687.01	5,608.50	78.51	72.435			
17,800.00	12,759.00	18,912.00	10,673.97	87.62	120.81	16.790	-559.64	-361.63	5,779.52	5,701.26	78.25	73.855			
17,900.00	12,759.00	18,912.00	10,673.97	89.01	120.81	16.790	-559.64	-361.63	5,872.26	5,794.25	78.01	75.276			
18,000.00	12,759.00	18,912.00	10,673.97	90.41	120.81	16.790	-559.64	-361.63	5,965.25	5,887.47	77.78	76.697			
18,100.00	12,759.00	18,912.00	10,673.97	91.80	120.81	16.790	-559.64	-361.63	6,058.46	5,980.90	77.56	78.118			
18,200.00	12,759.00	18,912.00	10,673.97	93.20	120.81	16.790	-559.64	-361.63	6,151.88	6,074.53	77.34	79.538			
18,300.00	12,759.00	18,912.00	10,673.97	94.60	120.81	16.790	-559.64	-361.63	6,245.50	6,168.36	77.14	80.958			
18,400.00	12,759.00	18,912.00	10,673.97	96.00	120.81	16.790	-559.64	-361.63	6,339.32	6,262.36	76.96	82.377			
18,500.00	12,759.00	18,912.00	10,673.97	97.40	120.81	16.790	-559.64	-361.63	6,433.32	6,356.55	76.78	83.794			
18,600.00	12,759.00	18,912.00	10,673.97	98.81	120.81	16.790	-559.64	-361.63	6,527.51	6,450.90	76.61	85.210			
18,700.00	12,759.00	18,912.00	10,673.97	100.21	120.81	16.790	-559.64	-361.63	6,621.86	6,545.42	76.44	86.623			
18,800.00	12,759.00	18,912.00	10,673.97	101.62	120.81	16.790	-559.64	-361.63	6,716.38	6,640.09	76.29	88.035			
18,900.00	12,759.00	18,912.00	10,673.97	103.02	120.81	16.790	-559.64	-361.63	6,811.05	6,734.90	76.15	89.444			
19,000.00	12,759.00	18,912.00	10,673.97	104.43	120.81	16.790	-559.64	-361.63	6,905.88	6,829.86	76.01	90.851			
19,100.00	12,759.00	18,912.00	10,673.97	105.84	120.81	16.790	-559.64	-361.63	7,000.85	6,924.96	75.89	92.255			
19,200.00	12,759.00	18,912.00	10,673.97	107.24	120.81	16.790	-559.64	-361.63	7,095.95	7,020.19	75.77	93.656			
19,300.00	12,759.00	18,912.00	10,673.97	108.65	120.81	16.790	-559.64	-361.63	7,191.19	7,115.54	75.65	95.053			
19,400.00	12,759.00	18,912.00	10,673.97	110.06	120.81	16.790	-559.64	-361.63	7,286.56	7,211.01	75.55	96.448			
19,500.00	12,759.00	18,912.00	10,673.97	111.47	120.81	16.790	-559.64	-361.63	7,382.05	7,306.60	75.45	97.838			
19,600.00	12,759.00	18,912.00	10,673.97	112.89	120.81	16.790	-559.64	-361.63	7,477.65	7,402.29	75.36	99.225			
19,700.00	12,759.00	18,912.00	10,673.97	114.30	120.81	16.790	-559.64	-361.63	7,573.37	7,498.10	75.28	100.608			
19,800.00	12,759.00	18,912.00	10,673.97	115.71	120.81	16.790	-559.64	-361.63	7,669.20	7,594.01	75.20	101.987			
19,900.00	12,759.00	18,912.00	10,673.97	117.12	120.81	16.790	-559.64	-361.63	7,765.14	7,690.01	75.13	103.362			
20,000.00	12,759.00	18,912.00	10,673.97	118.54	120.81	16.790	-559.64	-361.63	7,861.18	7,786.12	75.06	104.733			
20,100.00	12,759.00	18,912.00	10,673.97	119.95	120.81	16.790	-559.64	-361.63	7,957.31	7,882.31	75.00	106.099			
20,200.00	12,759.00	18,912.00	10,673.97	121.37	120.81	16.790	-559.64	-361.63	8,053.54	7,978.59	74.94	107.460			
20,300.00	12,759.00	18,912.00	10,673.97	122.78	120.81	16.790	-559.64	-361.63	8,149.86	8,074.96	74.90	108.817			
20,400.00	12,759.00	18,912.00	10,673.97	124.20	120.81	16.790	-559.64	-361.63	8,246.26	8,171.41	74.85	110.169			
20,500.00	12,759.00	18,912.00	10,673.97	125.61	120.81	16.790	-559.64	-361.63	8,342.76	8,267.94	74.81	111.516			
20,600.00	12,759.00	18,912.00	10,673.97	127.03	120.81	16.790	-559.64	-361.63	8,439.33	8,364.55	74.78	112.859			
20,700.00	12,759.00	18,912.00	10,673.97	128.45	120.81	16.790	-559.64	-361.63	8,535.98	8,461.23	74.75	114.196			
20,800.00	12,759.00	18,912.00	10,673.97	129.87	120.81	16.790	-559.64	-361.63	8,632.71	8,557.98	74.72	115.528			
20,900.00	12,759.00	18,912.00	10,673.97	131.29	120.81	16.790	-559.64	-361.63	8,729.51	8,654.81	74.70	116.855			
21,000.00	12,759.00	18,912.00	10,673.97	132.70	120.81	16.790	-559.64	-361.63	8,826.38	8,751.69	74.69	118.176			
21,100.00	12,759.00	18,912.00	10,673.97	134.12	120.81	16.790	-559.64	-361.63	8,923.33	8,848.65	74.68	119.492			
21,200.00	12,759.00	18,912.00	10,673.97	135.54	120.81	16.790	-559.64	-361.63	9,020.33	8,945.66	74.67	120.803			
21,300.00	12,759.00	18,912.00	10,673.97	136.96	120.81	16.790	-559.64	-361.63	9,117.41	9,042.74	74.67	122.108			
21,400.00	12,759.00	18,912.00	10,673.97	138.38	120.81	16.790	-559.64	-361.63	9,214.54	9,139.88	74.67	123.408			
21,500.00	12,759.00	18,912.00	10,673.97	139.80	120.81	16.790	-559.64	-361.63	9,311.74	9,237.07	74.67	124.702			

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 3 - Cattleman Fed Com 123H - OH / 69915 - Surveys (H&P 616)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 206-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (")</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Rule Assigned:</b>		<b>Warning</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>+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>	
21,600.00	12,759.00	18,912.00	10,673.97	141.22	120.81	16.790	-559.64	-361.63	9,409.00	9,334.32	74.68	125.990	
21,700.00	12,759.00	18,912.00	10,673.97	142.65	120.81	16.790	-559.64	-361.63	9,506.31	9,431.62	74.69	127.273	
21,800.00	12,759.00	18,912.00	10,673.97	144.07	120.81	16.790	-559.64	-361.63	9,603.68	9,528.97	74.71	128.550	
21,900.00	12,759.00	18,912.00	10,673.97	145.49	120.81	16.790	-559.64	-361.63	9,701.10	9,626.37	74.73	129.821	
22,000.00	12,759.00	18,912.00	10,673.97	146.91	120.81	16.790	-559.64	-361.63	9,798.57	9,723.82	74.75	131.086	
22,100.00	12,759.00	18,912.00	10,673.97	148.33	120.81	16.790	-559.64	-361.63	9,896.09	9,821.32	74.77	132.346	
22,125.24	12,759.00	18,912.00	10,673.97	148.69	120.81	16.790	-559.64	-361.63	9,920.72	9,845.94	74.78	132.663	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 3 - Cattleman Fed Com 213H - OH / 69914 - Surveys (H&P 616)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 177-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
0.00	0.00	51.34	2.34	1.00	1.05	-0.670	7,680.35	-89.88	7,680.87				
100.00	100.00	156.10	107.10	1.08	1.37	-0.667	7,680.29	-89.37	7,680.81	7,678.37	2.44	3,143.841	
200.00	200.00	255.08	206.07	1.60	1.92	-0.661	7,680.20	-88.59	7,680.72	7,677.22	3.49	2,198.216	
300.00	300.00	354.01	305.01	2.01	2.51	-0.656	7,680.14	-87.89	7,680.65	7,676.18	4.47	1,719.912	
400.00	400.00	453.80	404.79	2.35	3.06	-0.650	7,680.09	-87.16	7,680.58	7,675.26	5.33	1,441.813	
490.99	490.99	540.00	490.99	2.63	3.31	-0.646	7,680.06	-86.55	7,680.55	7,674.74	5.82	1,320.596	
500.00	500.00	548.27	499.26	2.65	3.33	-0.645	7,680.07	-86.50	7,680.55	7,674.69	5.86	1,310.711	
600.00	600.00	636.39	587.38	2.93	3.55	-0.641	7,680.15	-85.98	7,680.64	7,674.34	6.31	1,217.680	
700.00	700.00	733.06	684.05	3.18	3.77	-0.638	7,680.33	-85.56	7,680.82	7,674.08	6.74	1,139.318	
800.00	800.00	822.45	773.43	3.41	3.95	-0.637	7,680.58	-85.36	7,681.10	7,673.96	7.14	1,076.353	
900.00	900.00	910.82	861.81	3.64	4.11	-0.636	7,680.96	-85.29	7,681.53	7,674.01	7.52	1,021.886	
1,000.00	1,000.00	1,016.01	966.99	3.85	4.29	-0.636	7,681.45	-85.29	7,682.00	7,674.08	7.92	970.334	
1,100.00	1,100.00	1,121.73	1,072.71	4.05	4.44	-0.637	7,681.86	-85.41	7,682.38	7,674.09	8.29	926.203	
1,200.00	1,200.00	1,208.89	1,158.87	4.24	4.53	-0.639	7,682.20	-85.72	7,682.79	7,674.18	8.61	892.374	
1,300.00	1,300.00	1,346.94	1,297.91	4.43	4.68	-0.646	7,682.70	-86.63	7,683.19	7,674.18	9.01	853.101	
1,400.00	1,400.00	1,461.46	1,412.43	4.61	4.78	-0.649	7,682.57	-86.98	7,683.08	7,673.76	9.32	824.508	
1,500.00	1,500.00	1,552.94	1,503.91	4.78	4.87	-0.649	7,682.48	-87.09	7,682.97	7,673.37	9.60	800.270	
1,501.53	1,501.53	1,554.36	1,505.34	4.79	4.87	-158.043	7,682.48	-87.09	7,682.97	7,673.37	9.60	799.900	
1,600.00	1,599.98	1,658.08	1,609.05	4.98	4.98	-158.038	7,682.44	-87.35	7,684.56	7,674.65	9.91	775.658	
1,699.91	1,699.74	1,766.68	1,717.65	5.60	5.09	-158.021	7,682.20	-87.65	7,689.18	7,678.60	10.59	726.264	
1,800.00	1,799.59	1,880.53	1,831.51	5.91	5.21	-158.044	7,681.87	-87.72	7,695.38	7,684.37	11.00	699.555	
1,900.00	1,899.35	1,978.98	1,929.96	6.08	5.32	-158.063	7,681.45	-87.66	7,701.42	7,690.14	11.28	682.935	
2,000.00	1,999.11	2,074.96	2,025.93	6.27	5.45	-158.079	7,681.10	-87.29	7,707.52	7,695.95	11.57	666.081	
2,100.00	2,098.86	2,161.91	2,112.88	6.47	5.57	-158.090	7,680.87	-86.53	7,713.72	7,701.85	11.87	649.756	
2,200.00	2,198.62	2,248.41	2,199.37	6.68	5.71	-158.098	7,680.80	-85.37	7,720.09	7,707.91	12.19	633.565	
2,300.00	2,298.38	2,336.79	2,287.73	6.91	5.86	-158.104	7,680.88	-83.83	7,726.63	7,714.12	12.51	617.582	
2,400.00	2,398.13	2,418.76	2,369.68	7.15	6.00	-158.105	7,681.10	-81.90	7,733.34	7,720.50	12.84	602.376	
2,500.00	2,497.89	2,462.00	2,412.90	7.41	6.08	-158.104	7,681.31	-80.66	7,740.42	7,727.29	13.13	589.716	
2,600.00	2,597.65	2,513.38	2,464.25	7.67	6.23	-158.100	7,681.91	-78.76	7,748.15	7,734.69	13.46	575.797	
2,700.00	2,697.40	2,557.00	2,507.80	7.94	6.36	-158.092	7,682.91	-76.62	7,756.76	7,742.98	13.78	562.895	
2,800.00	2,797.16	2,613.78	2,564.47	8.21	6.53	-158.079	7,684.58	-73.40	7,766.03	7,751.90	14.14	549.407	
2,900.00	2,896.92	2,684.61	2,635.12	8.50	6.72	-158.060	7,686.88	-69.02	7,775.67	7,761.16	14.51	536.018	
3,000.00	2,996.67	2,754.07	2,704.38	8.79	6.87	-158.039	7,689.42	-64.45	7,785.69	7,770.83	14.86	523.776	
3,100.00	3,096.43	2,840.00	2,790.03	9.08	7.08	-158.011	7,692.81	-58.38	7,796.01	7,780.76	15.26	511.040	
3,200.00	3,196.19	2,906.52	2,856.30	9.38	7.25	-157.986	7,695.64	-53.35	7,806.63	7,791.00	15.63	499.620	
3,300.00	3,295.94	19,099.76	11,049.26	9.69	119.75	-161.139	-390.14	239.34	7,760.81	7,684.50	76.31	101.704	
3,400.00	3,395.70	19,100.88	11,049.22	10.00	119.77	-161.160	-391.26	239.33	7,660.85	7,584.41	76.44	100.219	
3,500.00	3,495.46	19,102.02	11,049.18	10.31	119.78	-161.181	-392.40	239.33	7,560.89	7,484.32	76.58	98.735	
3,600.00	3,595.21	19,103.18	11,049.13	10.63	119.80	-161.204	-393.56	239.32	7,460.94	7,384.22	76.72	97.254	
3,700.00	3,694.97	19,104.36	11,049.09	10.95	119.81	-161.226	-394.73	239.31	7,360.98	7,284.12	76.86	95.774	
3,800.00	3,794.73	19,105.56	11,049.05	11.27	119.83	-161.250	-395.93	239.31	7,261.02	7,184.02	77.00	94.297	
3,900.00	3,894.48	19,106.77	11,049.01	11.60	119.85	-161.274	-397.15	239.30	7,161.06	7,083.92	77.15	92.821	
4,000.00	3,994.24	19,108.01	11,048.97	11.93	119.87	-161.299	-398.38	239.29	7,061.11	6,983.81	77.30	91.348	
4,100.00	4,094.00	19,109.26	11,048.92	12.26	119.88	-161.324	-399.64	239.28	6,961.15	6,883.70	77.45	89.878	
4,200.00	4,193.75	19,110.54	11,048.88	12.59	119.90	-161.350	-400.92	239.27	6,861.20	6,783.59	77.61	88.411	
4,300.00	4,293.51	19,111.84	11,048.84	12.93	119.92	-161.377	-402.21	239.27	6,761.25	6,683.48	77.76	86.946	
4,400.00	4,393.27	19,113.16	11,048.79	13.26	119.94	-161.405	-403.53	239.26	6,661.29	6,583.37	77.92	85.484	
4,500.00	4,493.02	19,114.51	11,048.75	13.60	119.96	-161.434	-404.88	239.25	6,561.34	6,483.25	78.09	84.025	
4,600.00	4,592.78	19,115.88	11,048.70	13.94	119.97	-161.464	-406.25	239.24	6,461.39	6,383.14	78.25	82.570	
4,700.00	4,692.54	19,117.27	11,048.66	14.28	119.99	-161.494	-407.64	239.23	6,361.44	6,283.02	78.42	81.117	
4,800.00	4,792.29	19,118.68	11,048.61	14.62	120.01	-161.526	-409.05	239.22	6,261.49	6,182.90	78.59	79.668	
4,900.00	4,892.05	19,120.13	11,048.56	14.97	120.03	-161.558	-410.49	239.21	6,161.54	6,082.78	78.77	78.223	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 3 - Cattleman Fed Com 213H - OH / 69914 - Surveys (H&P 616)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 177-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.00	4,991.81	19,121.59	11,048.52	15.31	120.05	-161.592	-411.96	239.20	6,061.60	5,982.65	78.95	76.781	
5,100.00	5,091.56	19,123.09	11,048.47	15.66	120.08	-161.627	-413.45	239.19	5,961.65	5,882.53	79.13	75.344	
5,200.00	5,191.32	19,124.61	11,048.42	16.00	120.10	-161.663	-414.97	239.18	5,861.71	5,782.40	79.31	73.910	
5,300.00	5,291.08	19,126.16	11,048.37	16.35	120.12	-161.700	-416.52	239.17	5,761.76	5,682.27	79.49	72.480	
5,400.00	5,390.83	19,127.73	11,048.33	16.70	120.14	-161.738	-418.10	239.16	5,661.82	5,582.14	79.68	71.054	
5,500.00	5,490.59	19,129.34	11,048.28	17.05	120.16	-161.778	-419.71	239.15	5,561.88	5,482.00	79.87	69.632	
5,600.00	5,590.35	19,130.98	11,048.23	17.40	120.19	-161.820	-421.34	239.14	5,461.94	5,381.87	80.07	68.215	
5,700.00	5,690.10	19,132.65	11,048.18	17.75	120.21	-161.863	-423.01	239.13	5,362.00	5,281.73	80.27	66.802	
5,800.00	5,789.86	19,134.35	11,048.13	18.10	120.23	-161.907	-424.71	239.12	5,262.06	5,181.59	80.47	65.394	
5,900.00	5,889.62	19,136.09	11,048.08	18.46	120.26	-161.954	-426.45	239.10	5,162.12	5,081.45	80.67	63.991	
6,000.00	5,989.37	19,137.86	11,048.03	18.81	120.28	-162.002	-428.22	239.09	5,062.18	4,981.31	80.88	62.592	
6,100.00	6,089.13	19,183.00	11,046.94	19.16	120.91	-163.665	-473.34	238.76	4,962.62	4,881.16	81.46	60.922	
6,200.00	6,188.89	19,183.00	11,046.94	19.52	120.91	-163.665	-473.34	238.76	4,862.66	4,781.01	81.66	59.551	
6,300.00	6,288.64	19,183.00	11,046.94	19.87	120.91	-163.665	-473.34	238.76	4,762.70	4,680.85	81.86	58.184	
6,400.00	6,388.40	19,183.00	11,046.94	20.22	120.91	-163.665	-473.34	238.76	4,662.74	4,580.69	82.06	56.823	
6,500.00	6,488.16	19,183.00	11,046.94	20.58	120.91	-163.665	-473.34	238.76	4,562.79	4,480.52	82.26	55.466	
6,600.00	6,587.91	19,183.00	11,046.94	20.94	120.91	-163.665	-473.34	238.76	4,462.83	4,380.36	82.47	54.114	
6,700.00	6,687.67	19,183.00	11,046.94	21.29	120.91	-163.665	-473.34	238.76	4,362.88	4,280.20	82.68	52.768	
6,800.00	6,787.43	19,183.00	11,046.94	21.65	120.91	-163.665	-473.34	238.76	4,262.93	4,180.04	82.89	51.426	
6,900.00	6,887.18	19,183.00	11,046.94	22.01	120.91	-163.665	-473.34	238.76	4,162.98	4,079.88	83.11	50.090	
7,000.00	6,986.94	19,183.00	11,046.94	22.36	120.91	-163.665	-473.34	238.76	4,063.04	3,979.71	83.33	48.760	
7,100.00	7,086.70	19,183.00	11,046.94	22.72	120.91	-163.665	-473.34	238.76	3,963.10	3,879.55	83.55	47.435	
7,200.00	7,186.45	19,183.00	11,046.94	23.08	120.91	-163.665	-473.34	238.76	3,863.16	3,779.39	83.77	46.115	
7,300.00	7,286.21	19,183.00	11,046.94	23.44	120.91	-163.665	-473.34	238.76	3,763.22	3,679.23	84.00	44.801	
7,400.00	7,385.97	19,183.00	11,046.94	23.80	120.91	-163.665	-473.34	238.76	3,663.29	3,579.06	84.23	43.493	
7,500.00	7,485.72	19,183.00	11,046.94	24.16	120.91	-163.665	-473.34	238.76	3,563.36	3,478.90	84.46	42.191	
7,600.00	7,585.48	19,183.00	11,046.94	24.52	120.91	-163.665	-473.34	238.76	3,463.44	3,378.75	84.69	40.895	
7,700.00	7,685.24	19,183.00	11,046.94	24.88	120.91	-163.665	-473.34	238.76	3,363.52	3,278.59	84.93	39.604	
7,800.00	7,784.99	19,183.00	11,046.94	25.24	120.91	-163.665	-473.34	238.76	3,263.60	3,178.44	85.17	38.320	
7,900.00	7,884.75	19,183.00	11,046.94	25.60	120.91	-163.665	-473.34	238.76	3,163.69	3,078.29	85.41	37.042	
8,000.00	7,984.51	19,183.00	11,046.94	25.96	120.91	-163.665	-473.34	238.76	3,063.79	2,978.14	85.65	35.770	
8,100.00	8,084.26	19,186.47	11,046.88	26.32	120.96	-163.840	-476.82	238.73	2,963.89	2,877.96	85.93	34.492	
8,200.00	8,184.02	19,190.94	11,046.79	26.68	121.02	-164.079	-481.28	238.70	2,863.99	2,777.77	86.22	33.217	
8,300.00	8,283.78	19,195.40	11,046.70	27.04	121.08	-164.334	-485.74	238.66	2,764.09	2,677.58	86.51	31.949	
8,400.00	8,383.53	19,199.87	11,046.61	27.40	121.14	-164.609	-490.21	238.63	2,664.20	2,577.38	86.81	30.689	
8,500.00	8,483.29	19,204.33	11,046.53	27.76	121.21	-164.905	-494.67	238.59	2,564.30	2,477.19	87.11	29.437	
8,600.00	8,583.05	19,208.79	11,046.44	28.12	121.27	-165.224	-499.13	238.56	2,464.40	2,376.98	87.41	28.192	
8,700.00	8,682.80	19,213.26	11,046.35	28.48	121.33	-165.569	-503.60	238.52	2,364.50	2,276.78	87.72	26.955	
8,800.00	8,782.56	19,217.72	11,046.27	28.85	121.39	-165.945	-508.06	238.49	2,264.60	2,176.57	88.03	25.725	
8,900.00	8,882.32	19,222.19	11,046.18	29.21	121.46	-166.354	-512.52	238.45	2,164.71	2,076.36	88.34	24.503	
9,000.00	8,982.07	19,226.65	11,046.09	29.57	121.52	-166.801	-516.99	238.42	2,064.81	1,976.15	88.66	23.289	
9,100.00	9,081.83	19,231.12	11,046.00	29.93	121.58	-167.293	-521.45	238.38	1,964.91	1,875.93	88.98	22.083	
9,200.00	9,181.59	19,235.58	11,045.92	30.30	121.64	-167.835	-525.91	238.35	1,865.01	1,775.71	89.30	20.884	
9,300.00	9,281.34	19,240.04	11,045.83	30.66	121.70	-168.437	-530.38	238.31	1,765.12	1,675.49	89.63	19.693	
9,400.00	9,381.10	19,244.51	11,045.74	31.02	121.77	-169.107	-534.84	238.28	1,665.22	1,575.26	89.96	18.510	
9,500.00	9,480.86	19,248.97	11,045.65	31.39	121.83	-169.860	-539.30	238.24	1,565.33	1,475.03	90.30	17.335	
9,600.00	9,580.61	19,250.00	11,045.63	31.75	121.84	-170.046	-540.33	238.23	1,465.44	1,374.84	90.60	16.175	
9,700.00	9,680.37	19,250.00	11,045.63	32.11	121.84	-170.046	-540.33	238.23	1,365.56	1,274.67	90.89	15.025	
9,800.00	9,780.13	19,250.00	11,045.63	32.48	121.84	-170.046	-540.33	238.23	1,265.71	1,174.53	91.18	13.882	
9,900.00	9,879.88	19,250.00	11,045.63	32.84	121.84	-170.046	-540.33	238.23	1,165.88	1,074.41	91.47	12.746	
10,000.00	9,979.64	19,250.00	11,045.63	33.20	121.84	-170.046	-540.33	238.23	1,066.08	974.32	91.76	11.618	
10,100.00	10,079.39	19,250.00	11,045.63	33.57	121.84	-170.046	-540.33	238.23	966.32	874.27	92.05	10.498	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 3 - Cattleman Fed Com 213H - OH / 69914 - Surveys (H&P 616)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 177-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	
				(usft)	(usft)		<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
10,200.00	10,179.15	19,250.00	11,045.63	33.93	121.84	-170.046	-540.33	238.23	866.62	774.28	92.34	9.385	
10,300.00	10,278.91	19,250.00	11,045.63	34.29	121.84	-170.046	-540.33	238.23	766.99	674.37	92.62	8.281	
10,400.00	10,378.66	19,250.00	11,045.63	34.66	121.84	-170.046	-540.33	238.23	667.48	574.59	92.89	7.186	
10,500.00	10,478.42	19,250.00	11,045.63	35.02	121.84	-170.046	-540.33	238.23	568.15	475.01	93.14	6.100	
10,600.00	10,578.18	19,250.00	11,045.63	35.39	121.84	-170.046	-540.33	238.23	469.09	375.74	93.35	5.025	
10,700.00	10,677.93	19,250.00	11,045.63	35.75	121.84	-170.046	-540.33	238.23	370.54	277.07	93.46	3.965	
10,800.00	10,777.69	19,250.00	11,045.63	36.12	121.84	-170.046	-540.33	238.23	273.04	179.71	93.33	2.925	
10,900.00	10,877.45	19,250.00	11,045.63	36.48	121.84	-170.046	-540.33	238.23	178.34	86.08	92.26	1.933	
11,000.00	10,977.20	19,250.00	11,045.63	36.85	121.84	-170.046	-540.33	238.23	95.18	10.82	84.36	1.128	Level 3
11,063.73	11,040.78	19,250.00	11,045.63	37.08	121.84	-170.046	-540.33	238.23	70.70	1.50	69.19	1.022	Level 3, CC
11,100.00	11,076.96	19,250.00	11,045.63	37.21	121.84	-170.046	-540.33	238.23	79.46	0.05	79.41	1.001	Level 3, ES, SF
11,200.00	11,176.72	19,250.00	11,045.63	37.57	121.84	-170.046	-540.33	238.23	153.52	59.85	93.66	1.639	
11,300.00	11,276.47	19,250.00	11,045.63	37.94	121.84	-170.046	-540.33	238.23	246.62	150.99	95.63	2.579	
11,400.00	11,376.23	19,250.00	11,045.63	38.30	121.84	-170.046	-540.33	238.23	343.62	247.28	96.35	3.567	
11,500.00	11,475.99	19,250.00	11,045.63	38.67	121.84	-170.046	-540.33	238.23	441.96	345.14	96.82	4.565	
11,510.34	11,486.30	19,250.00	11,045.63	38.71	121.84	-170.046	-540.33	238.23	452.17	355.30	96.87	4.668	
11,600.00	11,575.83	19,250.00	11,045.63	39.02	121.84	-171.816	-540.33	238.23	540.72	443.48	97.24	5.561	
11,700.00	11,675.80	19,250.00	11,045.63	39.33	121.84	-173.380	-540.33	238.23	639.40	541.76	97.64	6.549	
11,710.24	11,686.04	19,250.00	11,045.63	39.34	121.84	-16.126	-540.33	238.23	649.50	551.82	97.68	6.650	
11,800.00	11,775.80	19,250.00	11,045.63	39.34	121.84	-16.126	-540.33	238.23	738.15	640.13	98.02	7.531	
11,900.00	11,875.80	19,250.00	11,045.63	39.35	121.84	-16.126	-540.33	238.23	837.20	738.80	98.40	8.508	
12,000.00	11,975.80	19,250.00	11,045.63	39.35	121.84	-16.126	-540.33	238.23	936.45	837.67	98.78	9.481	
12,100.00	12,075.80	19,250.00	11,045.63	39.36	121.84	-16.126	-540.33	238.23	1,035.84	936.69	99.15	10.447	
12,200.00	12,175.80	19,250.00	11,045.63	39.36	121.84	-16.126	-540.33	238.23	1,135.34	1,035.81	99.53	11.407	
12,210.24	12,186.04	19,250.00	11,045.63	39.36	121.84	-16.126	-540.33	238.23	1,145.54	1,045.97	99.57	11.505	
12,250.00	12,225.77	19,250.00	11,045.63	39.43	121.84	129.062	-540.33	238.23	1,185.21	1,085.49	99.72	11.885	
12,300.00	12,275.43	19,250.00	11,045.63	39.69	121.84	19.535	-540.33	238.23	1,235.17	1,135.24	99.93	12.361	
12,350.00	12,324.42	19,250.00	11,045.63	39.98	121.84	8.645	-540.33	238.23	1,284.85	1,184.71	100.14	12.831	
12,400.00	12,372.35	19,250.00	11,045.63	40.29	121.84	5.474	-540.33	238.23	1,333.93	1,233.57	100.36	13.292	
12,450.00	12,418.86	19,250.00	11,045.63	40.60	121.84	3.982	-540.33	238.23	1,382.11	1,281.54	100.57	13.742	
12,500.00	12,463.61	19,250.00	11,045.63	40.91	121.84	3.122	-540.33	238.23	1,429.15	1,328.36	100.79	14.180	
12,550.00	12,506.24	19,250.00	11,045.63	41.22	121.84	2.566	-540.33	238.23	1,474.81	1,373.82	100.99	14.604	
12,600.00	12,546.43	19,250.00	11,045.63	41.50	121.84	2.180	-540.33	238.23	1,518.87	1,417.70	101.17	15.012	
12,650.00	12,583.88	19,250.00	11,045.63	41.78	121.84	1.897	-540.33	238.23	1,561.16	1,459.82	101.34	15.405	
12,700.00	12,618.30	19,250.00	11,045.63	42.03	121.84	1.684	-540.33	238.23	1,601.51	1,500.03	101.48	15.782	
12,750.00	12,649.43	19,250.00	11,045.63	42.27	121.84	1.518	-540.33	238.23	1,639.76	1,538.17	101.59	16.142	
12,800.00	12,677.04	19,250.00	11,045.63	42.47	121.84	1.386	-540.33	238.23	1,675.77	1,574.11	101.66	16.484	
12,850.00	12,700.91	19,250.00	11,045.63	42.66	121.84	1.280	-540.33	238.23	1,709.42	1,607.73	101.70	16.809	
12,900.00	12,720.86	19,250.00	11,045.63	42.81	121.84	1.194	-540.33	238.23	1,740.61	1,638.92	101.69	17.117	
12,950.00	12,736.74	19,250.00	11,045.63	42.94	121.84	1.124	-540.33	238.23	1,769.22	1,667.58	101.64	17.407	
13,000.00	12,748.43	19,250.00	11,045.63	43.04	121.84	1.066	-540.33	238.23	1,795.16	1,693.62	101.55	17.678	
13,050.00	12,755.84	19,250.00	11,045.63	43.11	121.84	1.018	-540.33	238.23	1,818.37	1,716.97	101.40	17.932	
13,100.00	12,758.91	19,250.00	11,045.63	43.15	121.84	0.979	-540.33	238.23	1,838.76	1,737.55	101.21	18.167	
13,110.24	12,759.00	19,250.00	11,045.63	43.16	121.84	0.972	-540.33	238.23	1,842.59	1,741.45	101.14	18.218	
13,200.00	12,759.00	19,250.00	11,045.63	43.21	121.84	0.972	-540.33	238.23	1,877.44	1,776.94	100.50	18.682	
13,300.00	12,759.00	19,250.00	11,045.63	43.28	121.84	0.972	-540.33	238.23	1,920.46	1,820.77	99.69	19.265	
13,400.00	12,759.00	19,250.00	11,045.63	43.36	121.84	0.972	-540.33	238.23	1,967.63	1,868.83	98.81	19.914	
13,500.00	12,759.00	19,250.00	11,045.63	43.45	121.84	0.972	-540.33	238.23	2,018.66	1,920.79	97.87	20.626	
13,600.00	12,759.00	19,250.00	11,045.63	43.56	121.84	0.972	-540.33	238.23	2,073.25	1,976.35	96.90	21.396	
13,700.00	12,759.00	19,250.00	11,045.63	43.70	121.84	0.972	-540.33	238.23	2,131.14	2,035.24	95.90	22.222	
13,800.00	12,759.00	19,250.00	11,045.63	43.86	121.84	0.972	-540.33	238.23	2,192.07	2,097.18	94.89	23.100	
13,900.00	12,759.00	19,250.00	11,045.63	44.05	121.84	0.972	-540.33	238.23	2,255.79	2,161.90	93.89	24.026	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 3 - Cattleman Fed Com 213H - OH / 69914 - Surveys (H&P 616)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 177-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
14,000.00	12,759.00	19,250.00	11,045.63	44.28	121.84	0.972	-540.33	238.23	2,322.06	2,229.17	92.89	24.998	
14,100.00	12,759.00	19,250.00	11,045.63	44.57	121.84	0.972	-540.33	238.23	2,390.69	2,298.78	91.90	26.013	
14,200.00	12,759.00	19,250.00	11,045.63	44.91	121.84	0.972	-540.33	238.23	2,461.46	2,370.52	90.94	27.066	
14,300.00	12,759.00	19,250.00	11,045.63	45.32	121.84	0.972	-540.33	238.23	2,534.20	2,444.20	90.00	28.157	
14,400.00	12,759.00	19,250.00	11,045.63	45.81	121.84	0.972	-540.33	238.23	2,608.75	2,519.66	89.09	29.281	
14,500.00	12,759.00	19,250.00	11,045.63	46.40	121.84	0.972	-540.33	238.23	2,684.96	2,596.74	88.21	30.437	
14,600.00	12,759.00	19,250.00	11,045.63	47.09	121.84	0.972	-540.33	238.23	2,762.68	2,675.31	87.37	31.622	
14,700.00	12,759.00	19,250.00	11,045.63	47.88	121.84	0.972	-540.33	238.23	2,841.79	2,755.24	86.55	32.834	
14,800.00	12,759.00	19,250.00	11,045.63	48.76	121.84	0.972	-540.33	238.23	2,922.19	2,836.42	85.77	34.071	
14,900.00	12,759.00	19,250.00	11,045.63	49.72	121.84	0.972	-540.33	238.23	3,003.76	2,918.75	85.02	35.331	
15,000.00	12,759.00	19,250.00	11,045.63	50.75	121.84	0.972	-540.33	238.23	3,086.42	3,002.12	84.30	36.613	
15,100.00	12,759.00	19,250.00	11,045.63	51.84	121.84	0.972	-540.33	238.23	3,170.08	3,086.46	83.61	37.913	
15,200.00	12,759.00	19,250.00	11,045.63	52.98	121.84	0.972	-540.33	238.23	3,254.66	3,171.70	82.96	39.232	
15,300.00	12,759.00	19,250.00	11,045.63	54.15	121.84	0.972	-540.33	238.23	3,340.09	3,257.75	82.33	40.567	
15,400.00	12,759.00	19,250.00	11,045.63	55.36	121.84	0.972	-540.33	238.23	3,426.31	3,344.57	81.74	41.917	
15,500.00	12,759.00	19,250.00	11,045.63	56.60	121.84	0.972	-540.33	238.23	3,513.26	3,432.09	81.17	43.281	
15,600.00	12,759.00	19,250.00	11,045.63	57.85	121.84	0.972	-540.33	238.23	3,600.89	3,520.26	80.63	44.657	
15,700.00	12,759.00	19,250.00	11,045.63	59.13	121.84	0.972	-540.33	238.23	3,689.15	3,609.03	80.12	46.045	
15,800.00	12,759.00	19,250.00	11,045.63	60.42	121.84	0.972	-540.33	238.23	3,777.99	3,698.36	79.63	47.443	
15,900.00	12,759.00	19,250.00	11,045.63	61.72	121.84	0.972	-540.33	238.23	3,867.38	3,788.21	79.17	48.850	
16,000.00	12,759.00	19,250.00	11,045.63	63.04	121.84	0.972	-540.33	238.23	3,957.27	3,878.55	78.73	50.266	
16,100.00	12,759.00	19,250.00	11,045.63	64.36	121.84	0.972	-540.33	238.23	4,047.64	3,969.34	78.31	51.689	
16,200.00	12,759.00	19,250.00	11,045.63	65.69	121.84	0.972	-540.33	238.23	4,138.46	4,060.55	77.91	53.119	
16,300.00	12,759.00	19,250.00	11,045.63	67.03	121.84	0.972	-540.33	238.23	4,229.68	4,152.15	77.53	54.555	
16,400.00	12,759.00	19,250.00	11,045.63	68.37	121.84	0.972	-540.33	238.23	4,321.30	4,244.13	77.17	55.996	
16,500.00	12,759.00	19,250.00	11,045.63	69.73	121.84	0.972	-540.33	238.23	4,413.28	4,336.45	76.83	57.442	
16,600.00	12,759.00	19,250.00	11,045.63	71.08	121.84	0.972	-540.33	238.23	4,505.60	4,429.09	76.51	58.891	
16,700.00	12,759.00	19,250.00	11,045.63	72.44	121.84	0.972	-540.33	238.23	4,598.24	4,522.04	76.20	60.344	
16,800.00	12,759.00	19,250.00	11,045.63	73.81	121.84	0.972	-540.33	238.23	4,691.19	4,615.28	75.91	61.800	
16,900.00	12,759.00	19,250.00	11,045.63	75.18	121.84	0.972	-540.33	238.23	4,784.41	4,708.78	75.63	63.257	
17,000.00	12,759.00	19,250.00	11,045.63	76.55	121.84	0.972	-540.33	238.23	4,877.91	4,802.54	75.37	64.717	
17,100.00	12,759.00	19,250.00	11,045.63	77.92	121.84	0.972	-540.33	238.23	4,971.66	4,896.54	75.13	66.178	
17,200.00	12,759.00	19,250.00	11,045.63	79.30	121.84	0.972	-540.33	238.23	5,065.65	4,990.76	74.89	67.639	
17,300.00	12,759.00	19,250.00	11,045.63	80.68	121.84	0.972	-540.33	238.23	5,159.87	5,085.20	74.67	69.101	
17,400.00	12,759.00	19,250.00	11,045.63	82.07	121.84	0.972	-540.33	238.23	5,254.30	5,179.83	74.46	70.563	
17,500.00	12,759.00	19,250.00	11,045.63	83.45	121.84	0.972	-540.33	238.23	5,348.93	5,274.66	74.26	72.025	
17,600.00	12,759.00	19,250.00	11,045.63	84.84	121.84	0.972	-540.33	238.23	5,443.75	5,369.67	74.08	73.486	
17,700.00	12,759.00	19,250.00	11,045.63	86.23	121.84	0.972	-540.33	238.23	5,538.76	5,464.85	73.90	74.946	
17,800.00	12,759.00	19,250.00	11,045.63	87.62	121.84	0.972	-540.33	238.23	5,633.94	5,560.20	73.74	76.405	
17,900.00	12,759.00	19,250.00	11,045.63	89.01	121.84	0.972	-540.33	238.23	5,729.28	5,655.70	73.58	77.862	
18,000.00	12,759.00	19,250.00	11,045.63	90.41	121.84	0.972	-540.33	238.23	5,824.78	5,751.34	73.44	79.318	
18,100.00	12,759.00	19,250.00	11,045.63	91.80	121.84	0.972	-540.33	238.23	5,920.43	5,847.13	73.30	80.771	
18,200.00	12,759.00	19,250.00	11,045.63	93.20	121.84	0.972	-540.33	238.23	6,016.21	5,943.04	73.17	82.222	
18,300.00	12,759.00	19,250.00	11,045.63	94.60	121.84	0.972	-540.33	238.23	6,112.14	6,039.09	73.05	83.670	
18,400.00	12,759.00	19,250.00	11,045.63	96.00	121.84	0.972	-540.33	238.23	6,208.19	6,135.25	72.94	85.116	
18,500.00	12,759.00	19,250.00	11,045.63	97.40	121.84	0.972	-540.33	238.23	6,304.37	6,231.53	72.83	86.558	
18,600.00	12,759.00	19,250.00	11,045.63	98.81	121.84	0.972	-540.33	238.23	6,400.66	6,327.92	72.74	87.998	
18,700.00	12,759.00	19,250.00	11,045.63	100.21	121.84	0.972	-540.33	238.23	6,497.06	6,424.42	72.65	89.433	
18,800.00	12,759.00	19,250.00	11,045.63	101.62	121.84	0.972	-540.33	238.23	6,593.58	6,521.01	72.56	90.866	
18,900.00	12,759.00	19,250.00	11,045.63	103.02	121.84	0.972	-540.33	238.23	6,690.19	6,617.70	72.49	92.294	
19,000.00	12,759.00	19,250.00	11,045.63	104.43	121.84	0.972	-540.33	238.23	6,786.90	6,714.49	72.42	93.719	
19,100.00	12,759.00	19,250.00	11,045.63	105.84	121.84	0.972	-540.33	238.23	6,883.71	6,811.36	72.35	95.140	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 3 - Cattleman Fed Com 213H - OH / 69914 - Surveys (H&P 616)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 177-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
19,200.00	12,759.00	19,250.00	11,045.63	107.24	121.84	0.972	-540.33	238.23	6,980.61	6,908.31	72.30	96.556	
19,300.00	12,759.00	19,250.00	11,045.63	108.65	121.84	0.972	-540.33	238.23	7,077.59	7,005.34	72.24	97.968	
19,400.00	12,759.00	19,250.00	11,045.63	110.06	121.84	0.972	-540.33	238.23	7,174.65	7,102.46	72.20	99.376	
19,500.00	12,759.00	19,250.00	11,045.63	111.47	121.84	0.972	-540.33	238.23	7,271.80	7,199.64	72.16	100.779	
19,600.00	12,759.00	19,250.00	11,045.63	112.89	121.84	0.972	-540.33	238.23	7,369.02	7,296.90	72.12	102.178	
19,700.00	12,759.00	19,250.00	11,045.63	114.30	121.84	0.972	-540.33	238.23	7,466.32	7,394.23	72.09	103.571	
19,800.00	12,759.00	19,250.00	11,045.63	115.71	121.84	0.972	-540.33	238.23	7,563.68	7,491.62	72.06	104.960	
19,900.00	12,759.00	19,250.00	11,045.63	117.12	121.84	0.972	-540.33	238.23	7,661.11	7,589.07	72.04	106.344	
20,000.00	12,759.00	19,250.00	11,045.63	118.54	121.84	0.972	-540.33	238.23	7,758.61	7,686.59	72.02	107.723	
20,100.00	12,759.00	19,250.00	11,045.63	119.95	121.84	0.972	-540.33	238.23	7,856.17	7,784.16	72.01	109.097	
20,200.00	12,759.00	19,250.00	11,045.63	121.37	121.84	0.972	-540.33	238.23	7,953.80	7,881.79	72.00	110.465	
20,300.00	12,759.00	19,250.00	11,045.63	122.78	121.84	0.972	-540.33	238.23	8,051.48	7,979.48	72.00	111.828	
20,400.00	12,759.00	19,250.00	11,045.63	124.20	121.84	0.972	-540.33	238.23	8,149.21	8,077.21	72.00	113.186	
20,500.00	12,759.00	19,250.00	11,045.63	125.61	121.84	0.972	-540.33	238.23	8,247.00	8,175.00	72.00	114.539	
20,600.00	12,759.00	19,250.00	11,045.63	127.03	121.84	0.972	-540.33	238.23	8,344.85	8,272.84	72.01	115.885	
20,700.00	12,759.00	19,250.00	11,045.63	128.45	121.84	0.972	-540.33	238.23	8,442.74	8,370.72	72.02	117.227	
20,800.00	12,759.00	19,250.00	11,045.63	129.87	121.84	0.972	-540.33	238.23	8,540.68	8,468.65	72.04	118.563	
20,900.00	12,759.00	19,250.00	11,045.63	131.29	121.84	0.972	-540.33	238.23	8,638.67	8,566.62	72.05	119.893	
21,000.00	12,759.00	19,250.00	11,045.63	132.70	121.84	0.972	-540.33	238.23	8,736.71	8,664.63	72.07	121.217	
21,100.00	12,759.00	19,250.00	11,045.63	134.12	121.84	0.972	-540.33	238.23	8,834.79	8,762.69	72.10	122.536	
21,200.00	12,759.00	19,250.00	11,045.63	135.54	121.84	0.972	-540.33	238.23	8,932.91	8,860.78	72.13	123.848	
21,300.00	12,759.00	19,250.00	11,045.63	136.96	121.84	0.972	-540.33	238.23	9,031.07	8,958.91	72.16	125.155	
21,400.00	12,759.00	19,250.00	11,045.63	138.38	121.84	0.972	-540.33	238.23	9,129.28	9,057.08	72.19	126.456	
21,500.00	12,759.00	19,250.00	11,045.63	139.80	121.84	0.972	-540.33	238.23	9,227.52	9,155.29	72.23	127.752	
21,600.00	12,759.00	19,250.00	11,045.63	141.22	121.84	0.972	-540.33	238.23	9,325.80	9,253.53	72.27	129.041	
21,700.00	12,759.00	19,250.00	11,045.63	142.65	121.84	0.972	-540.33	238.23	9,424.11	9,351.80	72.31	130.324	
21,800.00	12,759.00	19,250.00	11,045.63	144.07	121.84	0.972	-540.33	238.23	9,522.46	9,450.10	72.36	131.602	
21,900.00	12,759.00	19,250.00	11,045.63	145.49	121.84	0.972	-540.33	238.23	9,620.85	9,548.44	72.41	132.873	
22,000.00	12,759.00	19,250.00	11,045.63	146.91	121.84	0.972	-540.33	238.23	9,719.26	9,646.81	72.46	134.138	
22,100.00	12,759.00	19,250.00	11,045.63	148.33	121.84	0.972	-540.33	238.23	9,817.71	9,745.20	72.51	135.397	
22,125.24	12,759.00	19,250.00	11,045.63	148.69	121.84	0.972	-540.33	238.23	9,842.57	9,770.04	72.52	135.714	





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 4 - Cattleman Fed Com 114H - OH / 69918 - Surveys (H&P 656)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 175-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
0.00	0.00	61.87	20.87	1.00	1.06	6.450	7,816.46	883.68	7,866.28				
100.00	100.00	197.50	156.49	1.08	1.61	6.450	7,815.73	883.59	7,865.72	7,863.02	2.70	2,918.613	
200.00	200.00	287.36	246.36	1.60	2.39	6.450	7,815.15	883.52	7,865.07	7,861.07	3.99	1,970.821	
300.00	300.00	381.00	339.99	2.01	3.12	6.450	7,814.65	883.47	7,864.54	7,859.41	5.13	1,533.858	
400.00	400.00	469.54	428.54	2.35	3.34	6.453	7,814.14	883.88	7,864.02	7,858.34	5.69	1,382.706	
466.70	466.70	507.71	466.70	2.55	3.40	6.455	7,814.05	884.10	7,863.90	7,857.95	5.96	1,320.499	
500.00	500.00	538.00	496.99	2.65	3.46	6.456	7,814.07	884.25	7,863.95	7,857.84	6.11	1,287.284	
600.00	600.00	661.49	620.48	2.93	3.76	6.462	7,813.86	884.98	7,863.84	7,857.18	6.66	1,179.973	
700.00	700.00	743.96	702.95	3.18	4.10	6.465	7,813.68	885.46	7,863.69	7,856.46	7.24	1,086.275	
716.83	716.83	757.84	716.82	3.22	4.16	6.466	7,813.67	885.53	7,863.69	7,856.36	7.33	1,072.358	
800.00	800.00	824.19	783.17	3.41	4.40	6.468	7,813.70	885.87	7,863.77	7,856.02	7.76	1,013.915	
900.00	900.00	900.00	858.98	3.64	4.55	6.472	7,813.94	886.39	7,864.17	7,856.06	8.11	970.123	
1,000.00	1,000.00	991.67	950.65	3.85	4.70	6.477	7,814.43	887.10	7,864.77	7,856.34	8.43	932.667	
1,100.00	1,100.00	1,097.69	1,056.66	4.05	5.00	6.482	7,814.97	887.90	7,865.36	7,856.45	8.91	882.978	
1,200.00	1,200.00	1,237.66	1,196.63	4.24	5.36	6.490	7,815.35	889.04	7,865.76	7,856.35	9.40	836.664	
1,300.00	1,300.00	1,377.10	1,336.06	4.43	5.86	6.499	7,814.90	890.23	7,865.53	7,855.50	10.03	784.376	
1,400.00	1,400.00	1,495.43	1,454.38	4.61	6.34	6.510	7,814.00	891.61	7,864.90	7,854.27	10.63	739.944	
1,500.00	1,500.00	1,595.41	1,554.35	4.78	6.77	6.519	7,813.17	892.80	7,864.20	7,853.02	11.19	702.979	
1,522.66	1,522.66	1,618.07	1,577.01	4.82	6.87	-150.873	7,812.98	893.06	7,864.13	7,852.81	11.31	695.098	
1,600.00	1,599.98	1,636.00	1,594.94	4.98	6.94	-150.861	7,812.84	893.27	7,865.26	7,853.75	11.51	683.189	
1,699.91	1,699.74	1,724.31	1,683.24	5.60	7.21	-150.824	7,812.51	894.27	7,869.63	7,857.38	12.25	642.283	
1,800.00	1,799.59	1,779.68	1,738.60	5.91	7.38	-150.834	7,812.71	894.89	7,876.22	7,863.55	12.67	621.742	
1,900.00	1,899.35	1,825.00	1,783.92	6.08	7.52	-150.842	7,813.11	895.39	7,883.38	7,870.43	12.95	608.903	
2,000.00	1,999.11	1,919.02	1,877.93	6.27	7.84	-150.858	7,814.30	896.53	7,890.86	7,877.45	13.41	588.469	
2,100.00	2,098.86	2,014.00	1,972.89	6.47	8.17	-150.872	7,815.75	897.90	7,898.63	7,884.75	13.89	568.840	
2,200.00	2,198.62	2,095.91	2,054.77	6.68	8.45	-150.883	7,817.10	899.33	7,906.53	7,892.21	14.33	551.938	
2,300.00	2,298.38	2,197.35	2,156.18	6.91	8.80	-150.894	7,818.70	901.52	7,914.43	7,899.60	14.83	533.674	
2,400.00	2,398.13	2,270.81	2,229.61	7.15	9.05	-150.899	7,819.93	903.40	7,922.47	7,907.22	15.26	519.280	
2,500.00	2,497.89	2,342.59	2,301.34	7.41	9.30	-150.903	7,821.36	905.45	7,930.87	7,915.18	15.69	505.594	
2,600.00	2,597.65	2,432.09	2,390.77	7.67	9.62	-150.906	7,823.41	908.31	7,939.58	7,923.40	16.18	490.815	
2,700.00	2,697.40	18,368.38	10,543.19	7.94	118.42	-94.357	-227.25	927.56	7,898.56	7,825.85	72.71	108.632	
2,800.00	2,797.16	18,371.59	10,543.12	8.21	118.46	-94.145	-230.46	927.54	7,799.05	7,726.19	72.85	107.051	
2,900.00	2,896.92	18,374.82	10,543.06	8.50	118.51	-93.930	-233.69	927.53	7,699.54	7,626.54	73.00	105.472	
3,000.00	2,996.67	18,389.00	10,542.79	8.79	118.71	-92.979	-247.87	927.47	7,600.05	7,526.83	73.23	103.785	
3,100.00	3,096.43	18,389.00	10,542.79	9.08	118.71	-92.979	-247.87	927.47	7,500.57	7,427.21	73.36	102.244	
3,200.00	3,196.19	18,389.00	10,542.79	9.38	118.71	-92.979	-247.87	927.47	7,401.09	7,327.60	73.49	100.703	
3,300.00	3,295.94	18,389.00	10,542.79	9.69	118.71	-92.979	-247.87	927.47	7,301.63	7,228.00	73.63	99.165	
3,400.00	3,395.70	18,389.00	10,542.79	10.00	118.71	-92.979	-247.87	927.47	7,202.18	7,128.41	73.77	97.628	
3,500.00	3,495.46	18,389.00	10,542.79	10.31	118.71	-92.979	-247.87	927.47	7,102.75	7,028.84	73.92	96.093	
3,600.00	3,595.21	18,389.00	10,542.79	10.63	118.71	-92.979	-247.87	927.47	7,003.34	6,929.27	74.06	94.560	
3,700.00	3,694.97	18,389.00	10,542.79	10.95	118.71	-92.979	-247.87	927.47	6,903.94	6,829.73	74.21	93.029	
3,800.00	3,794.73	18,389.00	10,542.79	11.27	118.71	-92.979	-247.87	927.47	6,804.56	6,730.19	74.37	91.501	
3,900.00	3,894.48	18,389.00	10,542.79	11.60	118.71	-92.979	-247.87	927.47	6,705.20	6,630.67	74.52	89.975	
4,000.00	3,994.24	18,389.00	10,542.79	11.93	118.71	-92.979	-247.87	927.47	6,605.85	6,531.17	74.68	88.452	
4,100.00	4,094.00	18,389.00	10,542.79	12.26	118.71	-92.979	-247.87	927.47	6,506.53	6,431.69	74.85	86.931	
4,200.00	4,193.75	18,389.00	10,542.79	12.59	118.71	-92.979	-247.87	927.47	6,407.23	6,332.22	75.01	85.414	
4,300.00	4,293.51	18,389.00	10,542.79	12.93	118.71	-92.979	-247.87	927.47	6,307.95	6,232.77	75.18	83.900	
4,400.00	4,393.27	18,389.00	10,542.79	13.26	118.71	-92.979	-247.87	927.47	6,208.70	6,133.34	75.36	82.388	
4,500.00	4,493.02	18,389.00	10,542.79	13.60	118.71	-92.979	-247.87	927.47	6,109.46	6,033.93	75.54	80.881	
4,600.00	4,592.78	18,389.00	10,542.79	13.94	118.71	-92.979	-247.87	927.47	6,010.26	5,934.54	75.72	79.376	
4,700.00	4,692.54	18,389.00	10,542.79	14.28	118.71	-92.979	-247.87	927.47	5,911.08	5,835.17	75.90	77.876	
4,800.00	4,792.29	18,389.00	10,542.79	14.62	118.71	-92.979	-247.87	927.47	5,811.93	5,735.83	76.09	76.379	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattleman Fed Com 4 - Cattleman Fed Com 114H - OH / 69918 - Surveys (H&P 656)													Offset Site Error: 0.00 usft		
Survey Program: 175-MWD+HRGM		Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
4,900.00	4,892.05	18,389.00	10,542.79	14.97	118.71	-92.979	-247.87	927.47	5,712.80	5,636.52	76.29	74.886			
5,000.00	4,991.81	18,389.00	10,542.79	15.31	118.71	-92.979	-247.87	927.47	5,613.71	5,537.23	76.48	73.397			
5,100.00	5,091.56	18,389.00	10,542.79	15.66	118.71	-92.979	-247.87	927.47	5,514.66	5,437.97	76.69	71.912			
5,200.00	5,191.32	18,389.00	10,542.79	16.00	118.71	-92.979	-247.87	927.47	5,415.63	5,338.74	76.89	70.431			
5,300.00	5,291.08	18,389.00	10,542.79	16.35	118.71	-92.979	-247.87	927.47	5,316.65	5,239.54	77.10	68.955			
5,400.00	5,390.83	18,389.00	10,542.79	16.70	118.71	-92.979	-247.87	927.47	5,217.70	5,140.38	77.32	67.483			
5,500.00	5,490.59	18,389.00	10,542.79	17.05	118.71	-92.979	-247.87	927.47	5,118.79	5,041.25	77.54	66.016			
5,600.00	5,590.35	18,389.00	10,542.79	17.40	118.71	-92.979	-247.87	927.47	5,019.93	4,942.16	77.76	64.553			
5,700.00	5,690.10	18,389.00	10,542.79	17.75	118.71	-92.979	-247.87	927.47	4,921.11	4,843.11	77.99	63.096			
5,800.00	5,789.86	18,389.00	10,542.79	18.10	118.71	-92.979	-247.87	927.47	4,822.34	4,744.11	78.23	61.643			
5,900.00	5,889.62	18,423.24	10,542.47	18.46	119.19	-90.620	-282.10	927.36	4,723.20	4,644.47	78.72	59.997			
6,000.00	5,989.37	18,425.12	10,542.47	18.81	119.21	-90.488	-283.98	927.36	4,624.48	4,545.50	78.99	58.548			
6,100.00	6,089.13	18,427.06	10,542.47	19.16	119.24	-90.352	-285.92	927.35	4,525.82	4,446.57	79.25	57.105			
6,200.00	6,188.89	18,429.06	10,542.47	19.52	119.27	-90.211	-287.92	927.34	4,427.22	4,347.69	79.53	55.668			
6,300.00	6,288.64	18,431.13	10,542.48	19.87	119.30	-90.065	-289.99	927.34	4,328.68	4,248.87	79.81	54.236			
6,400.00	6,388.40	18,433.26	10,542.49	20.22	119.33	-89.913	-292.13	927.33	4,230.20	4,150.10	80.10	52.810			
6,500.00	6,488.16	18,435.47	10,542.50	20.58	119.36	-89.757	-294.33	927.32	4,131.80	4,051.40	80.40	51.389			
6,600.00	6,587.91	18,437.75	10,542.52	20.94	119.39	-89.595	-296.62	927.31	4,033.47	3,952.76	80.71	49.975			
6,700.00	6,687.67	18,440.11	10,542.53	21.29	119.42	-89.426	-298.98	927.31	3,935.21	3,854.19	81.03	48.567			
6,800.00	6,787.43	18,442.56	10,542.56	21.65	119.46	-89.252	-301.42	927.30	3,837.05	3,755.69	81.35	47.165			
6,900.00	6,887.18	18,445.09	10,542.58	22.01	119.49	-89.071	-303.95	927.29	3,738.97	3,657.28	81.69	45.769			
7,000.00	6,986.94	18,447.71	10,542.61	22.36	119.53	-88.882	-306.57	927.28	3,641.00	3,558.96	82.04	44.380			
7,100.00	7,086.70	18,450.43	10,542.65	22.72	119.57	-88.687	-309.29	927.27	3,543.13	3,460.73	82.40	42.997			
7,200.00	7,186.45	18,453.26	10,542.69	23.08	119.61	-88.483	-312.12	927.26	3,445.38	3,362.60	82.78	41.621			
7,300.00	7,286.21	18,484.00	10,543.40	23.44	120.04	-86.230	-342.85	927.17	3,348.07	3,264.68	83.38	40.152			
7,400.00	7,385.97	18,484.00	10,543.40	23.80	120.04	-86.230	-342.85	927.17	3,250.52	3,166.75	83.77	38.803			
7,500.00	7,485.72	18,484.00	10,543.40	24.16	120.04	-86.230	-342.85	927.17	3,153.12	3,068.95	84.17	37.461			
7,600.00	7,585.48	18,484.00	10,543.40	24.52	120.04	-86.230	-342.85	927.17	3,055.89	2,971.30	84.59	36.126			
7,700.00	7,685.24	18,484.00	10,543.40	24.88	120.04	-86.230	-342.85	927.17	2,958.85	2,873.82	85.03	34.798			
7,800.00	7,784.99	18,484.00	10,543.40	25.24	120.04	-86.230	-342.85	927.17	2,862.01	2,776.52	85.49	33.477			
7,900.00	7,884.75	18,484.00	10,543.40	25.60	120.04	-86.230	-342.85	927.17	2,765.39	2,679.41	85.98	32.164			
8,000.00	7,984.51	18,484.00	10,543.40	25.96	120.04	-86.230	-342.85	927.17	2,669.02	2,582.53	86.49	30.859			
8,100.00	8,084.26	18,485.21	10,543.44	26.32	120.06	-86.140	-344.06	927.16	2,572.94	2,485.89	87.05	29.558			
8,200.00	8,184.02	18,496.11	10,543.77	26.68	120.21	-85.326	-354.96	927.13	2,477.13	2,389.41	87.72	28.238			
8,300.00	8,283.78	18,506.89	10,544.10	27.04	120.36	-84.513	-365.73	927.09	2,381.63	2,293.19	88.44	26.929			
8,400.00	8,383.53	18,517.54	10,544.42	27.40	120.51	-83.703	-376.37	927.06	2,286.46	2,197.26	89.21	25.631			
8,500.00	8,483.29	18,528.06	10,544.73	27.76	120.66	-82.896	-386.89	927.02	2,191.69	2,101.66	90.03	24.344			
8,600.00	8,583.05	18,538.46	10,545.02	28.12	120.80	-82.091	-397.29	926.99	2,097.35	2,006.43	90.92	23.068			
8,700.00	8,682.80	18,548.75	10,545.31	28.48	120.95	-81.290	-407.57	926.96	2,003.51	1,911.63	91.88	21.805			
8,800.00	8,782.56	18,558.91	10,545.59	28.85	121.09	-80.492	-417.73	926.92	1,910.25	1,817.32	92.93	20.555			
8,900.00	8,882.32	18,568.96	10,545.87	29.21	121.23	-79.698	-427.78	926.89	1,817.65	1,723.57	94.09	19.318			
9,000.00	8,982.07	18,578.90	10,546.13	29.57	121.37	-78.908	-437.71	926.85	1,725.83	1,630.47	95.37	18.097			
9,100.00	9,081.83	18,587.88	10,546.37	29.93	121.50	-78.190	-446.69	926.82	1,634.92	1,538.14	96.77	16.894			
9,200.00	9,181.59	18,596.93	10,546.61	30.30	121.63	-77.463	-455.74	926.79	1,545.07	1,446.72	98.35	15.709			
9,300.00	9,281.34	18,605.98	10,546.84	30.66	121.75	-76.732	-464.79	926.76	1,456.50	1,356.37	100.13	14.546			
9,400.00	9,381.10	18,615.04	10,547.08	31.02	121.88	-75.998	-473.84	926.73	1,369.44	1,267.29	102.15	13.406			
9,500.00	9,480.86	18,624.09	10,547.32	31.39	122.01	-75.261	-482.89	926.69	1,284.20	1,179.76	104.44	12.296			
9,600.00	9,580.61	18,633.14	10,547.56	31.75	122.13	-74.522	-491.94	926.66	1,201.17	1,094.11	107.05	11.220			
9,700.00	9,680.37	18,642.20	10,547.80	32.11	122.26	-73.780	-500.99	926.63	1,120.84	1,010.80	110.04	10.186			
9,800.00	9,780.13	18,651.25	10,548.04	32.48	122.39	-73.035	-510.04	926.60	1,043.84	930.40	113.43	9.202			
9,900.00	9,879.88	18,660.31	10,548.28	32.84	122.52	-72.289	-519.09	926.57	970.95	853.68	117.27	8.280			
10,000.00	9,979.64	18,669.36	10,548.51	33.20	122.64	-71.541	-528.14	926.54	903.18	781.64	121.53	7.432			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattleman Fed Com 4 - Cattleman Fed Com 114H - OH / 69918 - Surveys (H&P 656)													Offset Site Error:	0.00 usft
Survey Program:		175-MWD+HRGM					Rule Assigned:			Offset Well Error:			1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,100.00	10,079.39	18,678.41	10,548.75	33.57	122.77	-70.791	-537.19	926.50	841.75	715.60	126.16	6.672		
10,200.00	10,179.15	18,687.47	10,548.99	33.93	122.90	-70.040	-546.24	926.47	788.17	657.20	130.97	6.018		
10,300.00	10,278.91	18,696.52	10,549.23	34.29	123.03	-69.288	-555.29	926.44	744.11	608.46	135.65	5.485		
10,400.00	10,378.66	18,705.00	10,549.45	34.66	123.15	-68.583	-563.77	926.41	711.36	571.62	139.74	5.091		
10,500.00	10,478.42	18,705.00	10,549.45	35.02	123.15	-68.583	-563.77	926.41	691.58	549.18	142.41	4.856		
10,588.71	10,566.92	18,705.00	10,549.45	35.35	123.15	-68.583	-563.77	926.41	685.87	542.39	143.48	4.780 CC, ES		
10,600.00	10,578.18	18,705.00	10,549.45	35.39	123.15	-68.583	-563.77	926.41	685.96	542.45	143.52	4.780 SF		
10,700.00	10,677.93	18,705.00	10,549.45	35.75	123.15	-68.583	-563.77	926.41	694.84	551.91	142.93	4.861		
10,800.00	10,777.69	18,705.00	10,549.45	36.12	123.15	-68.583	-563.77	926.41	717.68	576.83	140.85	5.095		
10,900.00	10,877.45	18,705.00	10,549.45	36.48	123.15	-68.583	-563.77	926.41	753.21	615.50	137.71	5.470		
11,000.00	10,977.20	18,705.00	10,549.45	36.85	123.15	-68.583	-563.77	926.41	799.74	665.72	134.01	5.968		
11,100.00	11,076.96	18,705.00	10,549.45	37.21	123.15	-68.583	-563.77	926.41	855.48	725.29	130.19	6.571		
11,200.00	11,176.72	18,705.00	10,549.45	37.57	123.15	-68.583	-563.77	926.41	918.75	792.23	126.52	7.262		
11,300.00	11,276.47	18,705.00	10,549.45	37.94	123.15	-68.583	-563.77	926.41	988.11	864.94	123.17	8.022		
11,400.00	11,376.23	18,705.00	10,549.45	38.30	123.15	-68.583	-563.77	926.41	1,062.36	942.15	120.21	8.837		
11,500.00	11,475.99	18,705.00	10,549.45	38.67	123.15	-68.583	-563.77	926.41	1,140.56	1,022.90	117.65	9.694		
11,510.34	11,486.30	18,705.00	10,549.45	38.71	123.15	-68.583	-563.77	926.41	1,148.83	1,031.42	117.41	9.785		
11,600.00	11,575.83	18,705.00	10,549.45	39.02	123.15	-70.982	-563.77	926.41	1,222.21	1,106.71	115.50	10.582		
11,700.00	11,675.80	18,705.00	10,549.45	39.33	123.15	-74.037	-563.77	926.41	1,307.00	1,193.25	113.75	11.490		
11,710.24	11,686.04	18,705.00	10,549.45	39.34	123.15	83.020	-563.77	926.41	1,315.84	1,202.25	113.59	11.584		
11,800.00	11,775.80	18,705.00	10,549.45	39.34	123.15	83.020	-563.77	926.41	1,394.10	1,281.79	112.31	12.413		
11,900.00	11,875.80	18,705.00	10,549.45	39.35	123.15	83.020	-563.77	926.41	1,482.83	1,371.72	111.11	13.346		
12,000.00	11,975.80	18,705.00	10,549.45	39.35	123.15	83.020	-563.77	926.41	1,572.92	1,462.80	110.12	14.284		
12,100.00	12,075.80	18,705.00	10,549.45	39.36	123.15	83.020	-563.77	926.41	1,664.13	1,554.82	109.31	15.224		
12,200.00	12,175.80	18,705.00	10,549.45	39.36	123.15	83.020	-563.77	926.41	1,756.30	1,647.66	108.65	16.165		
12,210.24	12,186.04	18,705.00	10,549.45	39.36	123.15	83.020	-563.77	926.41	1,765.79	1,657.21	108.59	16.262		
12,250.00	12,225.77	18,705.00	10,549.45	39.43	123.15	-86.456	-563.77	926.41	1,802.73	1,694.37	108.36	16.637		
12,300.00	12,275.43	18,705.00	10,549.45	39.69	123.15	-73.991	-563.77	926.41	1,849.24	1,741.16	108.08	17.109		
12,350.00	12,324.42	18,705.00	10,549.45	39.98	123.15	-62.691	-563.77	926.41	1,895.50	1,787.67	107.82	17.580		
12,400.00	12,372.35	18,705.00	10,549.45	40.29	123.15	-53.188	-563.77	926.41	1,941.17	1,833.60	107.57	18.045		
12,450.00	12,418.86	18,705.00	10,549.45	40.60	123.15	-45.536	-563.77	926.41	1,985.97	1,878.63	107.34	18.501		
12,500.00	12,463.61	18,705.00	10,549.45	40.91	123.15	-39.487	-563.77	926.41	2,029.62	1,922.50	107.12	18.947		
12,550.00	12,506.24	18,705.00	10,549.45	41.22	123.15	-34.718	-563.77	926.41	2,071.88	1,964.97	106.91	19.379		
12,600.00	12,546.43	18,705.00	10,549.45	41.50	123.15	-30.938	-563.77	926.41	2,112.51	2,005.80	106.71	19.797		
12,650.00	12,583.88	18,705.00	10,549.45	41.78	123.15	-27.915	-563.77	926.41	2,151.31	2,044.80	106.51	20.197		
12,700.00	12,618.30	18,705.00	10,549.45	42.03	123.15	-25.475	-563.77	926.41	2,188.09	2,081.77	106.32	20.580		
12,750.00	12,649.43	18,705.00	10,549.45	42.27	123.15	-23.490	-563.77	926.41	2,222.66	2,116.54	106.12	20.944		
12,800.00	12,677.04	18,705.00	10,549.45	42.47	123.15	-21.865	-563.77	926.41	2,254.89	2,148.97	105.92	21.288		
12,850.00	12,700.91	18,705.00	10,549.45	42.66	123.15	-20.527	-563.77	926.41	2,284.62	2,178.90	105.72	21.610		
12,900.00	12,720.86	18,705.00	10,549.45	42.81	123.15	-19.424	-563.77	926.41	2,311.74	2,206.23	105.50	21.912		
12,950.00	12,736.74	18,705.00	10,549.45	42.94	123.15	-18.516	-563.77	926.41	2,336.12	2,230.84	105.28	22.190		
13,000.00	12,748.43	18,705.00	10,549.45	43.04	123.15	-17.772	-563.77	926.41	2,357.67	2,252.63	105.04	22.445		
13,050.00	12,755.84	18,705.00	10,549.45	43.11	123.15	-17.168	-563.77	926.41	2,376.31	2,271.52	104.79	22.677		
13,100.00	12,758.91	18,705.00	10,549.45	43.15	123.15	-16.688	-563.77	926.41	2,391.96	2,287.43	104.53	22.884		
13,110.24	12,759.00	18,705.00	10,549.45	43.16	123.15	-16.604	-563.77	926.41	2,394.79	2,290.35	104.45	22.928		
13,200.00	12,759.00	18,705.00	10,549.45	43.21	123.15	-16.604	-563.77	926.41	2,420.59	2,316.87	103.73	23.336		
13,300.00	12,759.00	18,705.00	10,549.45	43.28	123.15	-16.604	-563.77	926.41	2,452.89	2,350.01	102.87	23.844		
13,400.00	12,759.00	18,705.00	10,549.45	43.36	123.15	-16.604	-563.77	926.41	2,488.79	2,386.81	101.98	24.405		
13,500.00	12,759.00	18,705.00	10,549.45	43.45	123.15	-16.604	-563.77	926.41	2,528.13	2,427.08	101.05	25.018		
13,600.00	12,759.00	18,705.00	10,549.45	43.56	123.15	-16.604	-563.77	926.41	2,570.76	2,470.66	100.10	25.682		
13,700.00	12,759.00	18,705.00	10,549.45	43.70	123.15	-16.604	-563.77	926.41	2,616.53	2,517.40	99.13	26.394		
13,800.00	12,759.00	18,705.00	10,549.45	43.86	123.15	-16.604	-563.77	926.41	2,665.26	2,567.10	98.16	27.154		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattleman Fed Com 4 - Cattleman Fed Com 114H - OH / 69918 - Surveys (H&P 656)													Offset Site Error: 0.00 usft	
Survey Program: 175-MWD+HRGM				Offset					Rule Assigned:				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
13,900.00	12,759.00	18,705.00	10,549.45	44.05	123.15	-16.604	-563.77	926.41	2,716.80	2,619.62	97.17	27.958		
14,000.00	12,759.00	18,705.00	10,549.45	44.28	123.15	-16.604	-563.77	926.41	2,770.99	2,674.79	96.20	28.805		
14,100.00	12,759.00	18,705.00	10,549.45	44.57	123.15	-16.604	-563.77	926.41	2,827.68	2,732.45	95.23	29.694		
14,200.00	12,759.00	18,705.00	10,549.45	44.91	123.15	-16.604	-563.77	926.41	2,886.72	2,792.45	94.27	30.621		
14,300.00	12,759.00	18,705.00	10,549.45	45.32	123.15	-16.604	-563.77	926.41	2,947.97	2,854.64	93.33	31.586		
14,400.00	12,759.00	18,705.00	10,549.45	45.81	123.15	-16.604	-563.77	926.41	3,011.30	2,918.89	92.41	32.587		
14,500.00	12,759.00	18,705.00	10,549.45	46.40	123.15	-16.604	-563.77	926.41	3,076.58	2,985.07	91.51	33.620		
14,600.00	12,759.00	18,705.00	10,549.45	47.09	123.15	-16.604	-563.77	926.41	3,143.68	3,053.05	90.63	34.686		
14,700.00	12,759.00	18,705.00	10,549.45	47.88	123.15	-16.604	-563.77	926.41	3,212.49	3,122.71	89.78	35.781		
14,800.00	12,759.00	18,705.00	10,549.45	48.76	123.15	-16.604	-563.77	926.41	3,282.91	3,193.95	88.96	36.904		
14,900.00	12,759.00	18,705.00	10,549.45	49.72	123.15	-16.604	-563.77	926.41	3,354.83	3,266.67	88.16	38.053		
15,000.00	12,759.00	18,705.00	10,549.45	50.75	123.15	-16.604	-563.77	926.41	3,428.16	3,340.77	87.39	39.227		
15,100.00	12,759.00	18,705.00	10,549.45	51.84	123.15	-16.604	-563.77	926.41	3,502.81	3,416.16	86.65	40.424		
15,200.00	12,759.00	18,705.00	10,549.45	52.98	123.15	-16.604	-563.77	926.41	3,578.70	3,492.76	85.94	41.642		
15,300.00	12,759.00	18,705.00	10,549.45	54.15	123.15	-16.604	-563.77	926.41	3,655.74	3,570.49	85.25	42.881		
15,400.00	12,759.00	18,705.00	10,549.45	55.36	123.15	-16.604	-563.77	926.41	3,733.88	3,649.28	84.60	44.138		
15,500.00	12,759.00	18,705.00	10,549.45	56.60	123.15	-16.604	-563.77	926.41	3,813.03	3,729.07	83.97	45.411		
15,600.00	12,759.00	18,705.00	10,549.45	57.85	123.15	-16.604	-563.77	926.41	3,893.15	3,809.79	83.36	46.701		
15,700.00	12,759.00	18,705.00	10,549.45	59.13	123.15	-16.604	-563.77	926.41	3,974.17	3,891.38	82.79	48.005		
15,800.00	12,759.00	18,705.00	10,549.45	60.42	123.15	-16.604	-563.77	926.41	4,056.03	3,973.80	82.23	49.323		
15,900.00	12,759.00	18,705.00	10,549.45	61.72	123.15	-16.604	-563.77	926.41	4,138.69	4,056.99	81.71	50.653		
16,000.00	12,759.00	18,705.00	10,549.45	63.04	123.15	-16.604	-563.77	926.41	4,222.11	4,140.90	81.20	51.994		
16,100.00	12,759.00	18,705.00	10,549.45	64.36	123.15	-16.604	-563.77	926.41	4,306.22	4,225.50	80.72	53.345		
16,200.00	12,759.00	18,705.00	10,549.45	65.69	123.15	-16.604	-563.77	926.41	4,391.01	4,310.74	80.27	54.705		
16,300.00	12,759.00	18,705.00	10,549.45	67.03	123.15	-16.604	-563.77	926.41	4,476.42	4,396.59	79.83	56.074		
16,400.00	12,759.00	18,705.00	10,549.45	68.37	123.15	-16.604	-563.77	926.41	4,562.43	4,483.01	79.42	57.449		
16,500.00	12,759.00	18,705.00	10,549.45	69.73	123.15	-16.604	-563.77	926.41	4,648.99	4,569.97	79.02	58.831		
16,600.00	12,759.00	18,705.00	10,549.45	71.08	123.15	-16.604	-563.77	926.41	4,736.09	4,657.44	78.65	60.219		
16,700.00	12,759.00	18,705.00	10,549.45	72.44	123.15	-16.604	-563.77	926.41	4,823.68	4,745.39	78.29	61.612		
16,800.00	12,759.00	18,705.00	10,549.45	73.81	123.15	-16.604	-563.77	926.41	4,911.75	4,833.80	77.95	63.009		
16,900.00	12,759.00	18,705.00	10,549.45	75.18	123.15	-16.604	-563.77	926.41	5,000.27	4,922.64	77.63	64.410		
17,000.00	12,759.00	18,705.00	10,549.45	76.55	123.15	-16.604	-563.77	926.41	5,089.21	5,011.88	77.33	65.814		
17,100.00	12,759.00	18,705.00	10,549.45	77.92	123.15	-16.604	-563.77	926.41	5,178.56	5,101.52	77.04	67.220		
17,200.00	12,759.00	18,705.00	10,549.45	79.30	123.15	-16.604	-563.77	926.41	5,268.29	5,191.52	76.77	68.628		
17,300.00	12,759.00	18,705.00	10,549.45	80.68	123.15	-16.604	-563.77	926.41	5,358.38	5,281.87	76.51	70.037		
17,400.00	12,759.00	18,705.00	10,549.45	82.07	123.15	-16.604	-563.77	926.41	5,448.82	5,372.55	76.26	71.447		
17,500.00	12,759.00	18,705.00	10,549.45	83.45	123.15	-16.604	-563.77	926.41	5,539.59	5,463.55	76.03	72.857		
17,600.00	12,759.00	18,705.00	10,549.45	84.84	123.15	-16.604	-563.77	926.41	5,630.67	5,554.85	75.82	74.267		
17,700.00	12,759.00	18,705.00	10,549.45	86.23	123.15	-16.604	-563.77	926.41	5,722.04	5,646.43	75.61	75.677		
17,800.00	12,759.00	18,705.00	10,549.45	87.62	123.15	-16.604	-563.77	926.41	5,813.71	5,738.29	75.42	77.086		
17,900.00	12,759.00	18,705.00	10,549.45	89.01	123.15	-16.604	-563.77	926.41	5,905.64	5,830.40	75.24	78.493		
18,000.00	12,759.00	18,705.00	10,549.45	90.41	123.15	-16.604	-563.77	926.41	5,997.83	5,922.76	75.07	79.899		
18,100.00	12,759.00	18,705.00	10,549.45	91.80	123.15	-16.604	-563.77	926.41	6,090.27	6,015.36	74.91	81.303		
18,200.00	12,759.00	18,705.00	10,549.45	93.20	123.15	-16.604	-563.77	926.41	6,182.94	6,108.18	74.76	82.705		
18,300.00	12,759.00	18,705.00	10,549.45	94.60	123.15	-16.604	-563.77	926.41	6,275.84	6,201.22	74.62	84.105		
18,400.00	12,759.00	18,705.00	10,549.45	96.00	123.15	-16.604	-563.77	926.41	6,368.95	6,294.46	74.49	85.501		
18,500.00	12,759.00	18,705.00	10,549.45	97.40	123.15	-16.604	-563.77	926.41	6,462.27	6,387.90	74.37	86.895		
18,600.00	12,759.00	18,705.00	10,549.45	98.81	123.15	-16.604	-563.77	926.41	6,555.78	6,481.53	74.26	88.285		
18,700.00	12,759.00	18,705.00	10,549.45	100.21	123.15	-16.604	-563.77	926.41	6,649.49	6,575.33	74.15	89.672		
18,800.00	12,759.00	18,705.00	10,549.45	101.62	123.15	-16.604	-563.77	926.41	6,743.37	6,669.31	74.06	91.055		
18,900.00	12,759.00	18,705.00	10,549.45	103.02	123.15	-16.604	-563.77	926.41	6,837.43	6,763.46	73.97	92.434		
19,000.00	12,759.00	18,705.00	10,549.45	104.43	123.15	-16.604	-563.77	926.41	6,931.66	6,857.77	73.89	93.810		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattleman Fed Com 4 - Cattleman Fed Com 114H - OH / 69918 - Surveys (H&P 656)												Offset Site Error:	0.00 usft		
Survey Program:		175-MWD+HRGM <th colspan="2">Offset</th> <th colspan="2">Semi Major Axis</th> <th colspan="2">Offset Wellbore Centre</th> <th colspan="2">Rule Assigned:</th> <th colspan="2">Distance</th> <th>Offset Well Error:</th> <td>1.00 usft</td>		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
19,100.00	12,759.00	18,705.00	10,549.45	105.84	123.15	-16.604	-563.77	926.41	7,026.04	6,952.22	73.82	95.181			
19,200.00	12,759.00	18,705.00	10,549.45	107.24	123.15	-16.604	-563.77	926.41	7,120.58	7,046.83	73.75	96.548			
19,300.00	12,759.00	18,705.00	10,549.45	108.65	123.15	-16.604	-563.77	926.41	7,215.26	7,141.57	73.69	97.910			
19,400.00	12,759.00	18,705.00	10,549.45	110.06	123.15	-16.604	-563.77	926.41	7,310.09	7,236.45	73.64	99.268			
19,500.00	12,759.00	18,705.00	10,549.45	111.47	123.15	-16.604	-563.77	926.41	7,405.05	7,331.46	73.59	100.620			
19,600.00	12,759.00	18,705.00	10,549.45	112.89	123.15	-16.604	-563.77	926.41	7,500.15	7,426.59	73.55	101.968			
19,700.00	12,759.00	18,705.00	10,549.45	114.30	123.15	-16.604	-563.77	926.41	7,595.37	7,521.85	73.52	103.311			
19,800.00	12,759.00	18,705.00	10,549.45	115.71	123.15	-16.604	-563.77	926.41	7,690.71	7,617.22	73.49	104.649			
19,900.00	12,759.00	18,705.00	10,549.45	117.12	123.15	-16.604	-563.77	926.41	7,786.16	7,712.70	73.47	105.982			
20,000.00	12,759.00	18,705.00	10,549.45	118.54	123.15	-16.604	-563.77	926.41	7,881.73	7,808.29	73.45	107.309			
20,100.00	12,759.00	18,705.00	10,549.45	119.95	123.15	-16.604	-563.77	926.41	7,977.41	7,903.98	73.44	108.631			
20,200.00	12,759.00	18,705.00	10,549.45	121.37	123.15	-16.604	-563.77	926.41	8,073.20	7,999.77	73.43	109.948			
20,300.00	12,759.00	18,705.00	10,549.45	122.78	123.15	-16.604	-563.77	926.41	8,169.08	8,095.66	73.42	111.259			
20,400.00	12,759.00	18,705.00	10,549.45	124.20	123.15	-16.604	-563.77	926.41	8,265.07	8,191.64	73.43	112.564			
20,500.00	12,759.00	18,705.00	10,549.45	125.61	123.15	-16.604	-563.77	926.41	8,361.14	8,287.71	73.43	113.864			
20,600.00	12,759.00	18,705.00	10,549.45	127.03	123.15	-16.604	-563.77	926.41	8,457.31	8,383.87	73.44	115.158			
20,700.00	12,759.00	18,705.00	10,549.45	128.45	123.15	-16.604	-563.77	926.41	8,553.56	8,480.11	73.45	116.447			
20,800.00	12,759.00	18,705.00	10,549.45	129.87	123.15	-16.604	-563.77	926.41	8,649.91	8,576.43	73.47	117.729			
20,900.00	12,759.00	18,705.00	10,549.45	131.29	123.15	-16.604	-563.77	926.41	8,746.33	8,672.83	73.49	119.006			
21,000.00	12,759.00	18,705.00	10,549.45	132.70	123.15	-16.604	-563.77	926.41	8,842.83	8,769.31	73.52	120.277			
21,100.00	12,759.00	18,705.00	10,549.45	134.12	123.15	-16.604	-563.77	926.41	8,939.41	8,865.86	73.55	121.542			
21,200.00	12,759.00	18,705.00	10,549.45	135.54	123.15	-16.604	-563.77	926.41	9,036.06	8,962.48	73.58	122.801			
21,300.00	12,759.00	18,705.00	10,549.45	136.96	123.15	-16.604	-563.77	926.41	9,132.79	9,059.17	73.62	124.054			
21,400.00	12,759.00	18,705.00	10,549.45	138.38	123.15	-16.604	-563.77	926.41	9,229.58	9,155.92	73.66	125.301			
21,500.00	12,759.00	18,705.00	10,549.45	139.80	123.15	-16.604	-563.77	926.41	9,326.45	9,252.74	73.70	126.543			
21,600.00	12,759.00	18,705.00	10,549.45	141.22	123.15	-16.604	-563.77	926.41	9,423.37	9,349.63	73.75	127.778			
21,700.00	12,759.00	18,705.00	10,549.45	142.65	123.15	-16.604	-563.77	926.41	9,520.37	9,446.57	73.80	129.007			
21,800.00	12,759.00	18,705.00	10,549.45	144.07	123.15	-16.604	-563.77	926.41	9,617.42	9,543.57	73.85	130.230			
21,900.00	12,759.00	18,705.00	10,549.45	145.49	123.15	-16.604	-563.77	926.41	9,714.53	9,640.63	73.90	131.446			
22,000.00	12,759.00	18,705.00	10,549.45	146.91	123.15	-16.604	-563.77	926.41	9,811.70	9,737.74	73.96	132.657			
22,100.00	12,759.00	18,705.00	10,549.45	148.33	123.15	-16.604	-563.77	926.41	9,908.93	9,834.91	74.02	133.862			
22,125.24	12,759.00	18,705.00	10,549.45	148.69	123.15	-16.604	-563.77	926.41	9,933.48	9,859.44	74.04	134.165			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 4 - Cattleman Fed Com 204H - OH / 69917 - Surveys H&P 656)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 175-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
0.00	0.00	95.54	55.54	1.00	1.15	6.667	7,816.42	913.65	7,869.83				
100.00	100.00	220.57	180.56	1.08	1.75	6.668	7,815.08	913.68	7,868.72	7,865.89	2.84	2,771.502	
200.00	200.00	288.86	248.85	1.60	2.28	6.668	7,814.53	913.56	7,867.90	7,864.02	3.88	2,029.121	
300.00	300.00	358.00	317.99	2.01	2.84	6.666	7,814.27	913.30	7,867.48	7,862.63	4.85	1,621.240	
394.49	394.49	434.51	394.49	2.33	3.09	6.665	7,814.21	913.15	7,867.38	7,861.96	5.42	1,452.136	
400.00	400.00	439.02	399.01	2.35	3.10	6.665	7,814.21	913.16	7,867.38	7,861.93	5.45	1,443.196	
500.00	500.00	521.07	481.05	2.65	3.36	6.668	7,814.27	913.53	7,867.51	7,861.49	6.01	1,308.137	
600.00	600.00	617.21	577.19	2.93	3.82	6.673	7,814.45	914.32	7,867.79	7,861.04	6.75	1,165.985	
700.00	700.00	717.03	677.01	3.18	4.35	6.678	7,814.67	914.99	7,868.08	7,860.57	7.52	1,046.840	
800.00	800.00	809.00	768.98	3.41	4.53	6.683	7,814.90	915.74	7,868.43	7,860.51	7.92	993.880	
900.00	900.00	902.59	862.57	3.64	4.84	6.689	7,815.21	916.55	7,868.86	7,860.43	8.44	932.647	
1,000.00	1,000.00	990.00	949.97	3.85	5.13	6.692	7,815.61	917.01	7,869.38	7,860.45	8.93	881.510	
1,100.00	1,100.00	1,068.24	1,028.21	4.05	5.37	6.693	7,816.16	917.23	7,870.12	7,860.76	9.36	840.442	
1,200.00	1,200.00	1,145.00	1,104.96	4.24	5.61	6.693	7,816.99	917.32	7,871.20	7,861.41	9.79	803.926	
1,300.00	1,300.00	1,231.94	1,191.90	4.43	5.91	6.690	7,818.17	917.10	7,872.52	7,862.23	10.30	764.671	
1,400.00	1,400.00	2,095.00	2,053.02	4.61	15.84	6.773	7,790.58	925.24	7,872.46	7,856.81	15.66	502.819	
1,500.00	1,500.00	2,095.00	2,053.02	4.78	15.84	6.773	7,790.58	925.24	7,864.80	7,848.96	15.84	496.492	
1,600.00	1,599.98	2,095.00	2,053.02	4.98	15.84	-150.668	7,790.58	925.24	7,859.92	7,843.90	16.02	490.735	
1,686.66	1,686.53	2,176.38	2,133.97	5.51	16.25	-150.653	7,783.83	930.06	7,857.24	7,839.50	17.74	442.822	
1,699.91	1,699.74	2,179.26	2,136.83	5.60	16.27	-150.652	7,783.64	930.28	7,857.27	7,839.42	17.86	440.040	
1,800.00	1,799.59	2,200.97	2,158.43	5.91	16.39	-150.643	7,782.32	932.07	7,858.29	7,839.81	18.47	425.356	
1,900.00	1,899.35	2,285.00	2,241.93	6.08	16.96	-150.598	7,779.07	940.84	7,861.44	7,841.47	19.97	393.609	
2,000.00	1,999.11	2,285.00	2,241.93	6.27	16.96	-150.598	7,779.07	940.84	7,863.80	7,843.65	20.15	390.252	
2,100.00	2,098.86	2,285.00	2,241.93	6.47	16.96	-150.598	7,779.07	940.84	7,867.42	7,847.08	20.34	386.843	
2,200.00	2,198.62	2,285.00	2,241.93	6.68	16.96	-150.598	7,779.07	940.84	7,872.32	7,851.78	20.53	383.410	
2,300.00	2,298.38	2,285.00	2,241.93	6.91	16.96	-150.598	7,779.07	940.84	7,878.48	7,857.74	20.73	379.977	
2,400.00	2,398.13	2,285.00	2,241.93	7.15	16.96	-150.598	7,779.07	940.84	7,885.90	7,864.96	20.94	376.565	
2,500.00	2,497.89	2,376.37	2,332.73	7.41	17.65	-150.548	7,778.52	950.89	7,892.80	7,869.80	23.00	343.230	
2,600.00	2,597.65	2,405.73	2,361.96	7.67	17.94	-150.535	7,778.94	953.64	7,901.40	7,877.59	23.81	331.835	
2,700.00	2,697.40	2,473.00	2,428.98	7.94	18.74	-150.514	7,781.00	959.08	7,911.20	7,885.80	25.41	311.375	
2,800.00	2,797.16	2,473.00	2,428.98	8.21	18.74	-150.514	7,781.00	959.08	7,921.29	7,895.65	25.64	308.996	
2,900.00	2,896.92	2,541.04	2,496.77	8.50	18.93	-150.497	7,783.85	964.14	7,932.32	7,906.21	26.11	303.758	
3,000.00	2,996.67	2,637.42	2,592.75	8.79	19.20	-150.469	7,787.83	971.89	7,943.44	7,916.74	26.70	297.497	
3,100.00	3,096.43	2,854.64	2,808.92	9.08	19.56	-150.385	7,795.10	991.93	7,954.04	7,926.71	27.33	291.088	
3,200.00	3,196.19	19,177.00	10,931.61	9.38	127.47	-69.347	-557.96	1,576.35	7,899.07	7,822.74	76.33	103.481	
3,300.00	3,295.94	19,177.00	10,931.61	9.69	127.47	-69.347	-557.96	1,576.35	7,800.51	7,724.04	76.47	102.010	
3,400.00	3,395.70	19,177.00	10,931.61	10.00	127.47	-69.347	-557.96	1,576.35	7,701.98	7,625.37	76.61	100.539	
3,500.00	3,495.46	19,177.00	10,931.61	10.31	127.47	-69.347	-557.96	1,576.35	7,603.49	7,526.74	76.75	99.070	
3,600.00	3,595.21	19,177.00	10,931.61	10.63	127.47	-69.347	-557.96	1,576.35	7,505.05	7,428.15	76.89	97.601	
3,700.00	3,694.97	19,177.00	10,931.61	10.95	127.47	-69.347	-557.96	1,576.35	7,406.64	7,329.60	77.04	96.134	
3,800.00	3,794.73	19,177.00	10,931.61	11.27	127.47	-69.347	-557.96	1,576.35	7,308.28	7,231.08	77.20	94.669	
3,900.00	3,894.48	19,177.00	10,931.61	11.60	127.47	-69.347	-557.96	1,576.35	7,209.96	7,132.60	77.36	93.204	
4,000.00	3,994.24	19,177.00	10,931.61	11.93	127.47	-69.347	-557.96	1,576.35	7,111.69	7,034.17	77.52	91.742	
4,100.00	4,094.00	19,177.00	10,931.61	12.26	127.47	-69.347	-557.96	1,576.35	7,013.47	6,935.78	77.68	90.281	
4,200.00	4,193.75	19,177.00	10,931.61	12.59	127.47	-69.347	-557.96	1,576.35	6,915.30	6,837.44	77.86	88.822	
4,300.00	4,293.51	19,177.00	10,931.61	12.93	127.47	-69.347	-557.96	1,576.35	6,817.18	6,739.15	78.03	87.365	
4,400.00	4,393.27	19,177.00	10,931.61	13.26	127.47	-69.347	-557.96	1,576.35	6,719.12	6,640.91	78.21	85.910	
4,500.00	4,493.02	19,177.00	10,931.61	13.60	127.47	-69.347	-557.96	1,576.35	6,621.11	6,542.72	78.40	84.458	
4,600.00	4,592.78	19,177.00	10,931.61	13.94	127.47	-69.347	-557.96	1,576.35	6,523.17	6,444.58	78.58	83.008	
4,700.00	4,692.54	19,177.00	10,931.61	14.28	127.47	-69.347	-557.96	1,576.35	6,425.29	6,346.51	78.78	81.560	
4,800.00	4,792.29	19,177.00	10,931.61	14.62	127.47	-69.347	-557.96	1,576.35	6,327.48	6,248.50	78.98	80.115	
4,900.00	4,892.05	19,177.00	10,931.61	14.97	127.47	-69.347	-557.96	1,576.35	6,229.73	6,150.55	79.19	78.673	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattleman Fed Com 4 - Cattleman Fed Com 204H - OH / 69917 - Surveys H&P 656)													Offset Site Error:	0.00 usft	
Survey Program:		175-MWD+HRGM		Offset		Semi Maior Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,000.00	4,991.81	19,177.00	10,931.61	15.31	127.47	-69.347	-557.96	1,576.35	6,132.06	6,052.66	79.40	77.233			
5,100.00	5,091.56	19,177.00	10,931.61	15.66	127.47	-69.347	-557.96	1,576.35	6,034.46	5,954.85	79.61	75.797			
5,200.00	5,191.32	19,177.00	10,931.61	16.00	127.47	-69.347	-557.96	1,576.35	5,936.95	5,857.11	79.84	74.363			
5,300.00	5,291.08	19,177.00	10,931.61	16.35	127.47	-69.347	-557.96	1,576.35	5,839.52	5,759.45	80.07	72.933			
5,400.00	5,390.83	19,177.00	10,931.61	16.70	127.47	-69.347	-557.96	1,576.35	5,742.17	5,661.87	80.30	71.506			
5,500.00	5,490.59	19,177.00	10,931.61	17.05	127.47	-69.347	-557.96	1,576.35	5,644.92	5,564.38	80.55	70.082			
5,600.00	5,590.35	19,177.00	10,931.61	17.40	127.47	-69.347	-557.96	1,576.35	5,547.77	5,466.97	80.80	68.661			
5,700.00	5,690.10	19,177.00	10,931.61	17.75	127.47	-69.347	-557.96	1,576.35	5,450.72	5,369.66	81.06	67.244			
5,800.00	5,789.86	19,177.00	10,931.61	18.10	127.47	-69.347	-557.96	1,576.35	5,353.78	5,272.46	81.33	65.831			
5,900.00	5,889.62	19,177.00	10,931.61	18.46	127.47	-69.347	-557.96	1,576.35	5,256.96	5,175.35	81.60	64.421			
6,000.00	5,989.37	19,177.00	10,931.61	18.81	127.47	-69.347	-557.96	1,576.35	5,160.25	5,078.36	81.89	63.015			
6,100.00	6,089.13	19,177.00	10,931.61	19.16	127.47	-69.347	-557.96	1,576.35	5,063.67	4,981.49	82.18	61.613			
6,200.00	6,188.89	19,177.00	10,931.61	19.52	127.47	-69.347	-557.96	1,576.35	4,967.23	4,884.74	82.49	60.216			
6,300.00	6,288.64	19,177.00	10,931.61	19.87	127.47	-69.347	-557.96	1,576.35	4,870.93	4,788.13	82.81	58.822			
6,400.00	6,388.40	19,177.00	10,931.61	20.22	127.47	-69.347	-557.96	1,576.35	4,774.79	4,691.65	83.14	57.433			
6,500.00	6,488.16	19,177.00	10,931.61	20.58	127.47	-69.347	-557.96	1,576.35	4,678.80	4,595.32	83.48	56.047			
6,600.00	6,587.91	19,177.00	10,931.61	20.94	127.47	-69.347	-557.96	1,576.35	4,582.99	4,499.16	83.83	54.667			
6,700.00	6,687.67	19,177.00	10,931.61	21.29	127.47	-69.347	-557.96	1,576.35	4,487.36	4,403.16	84.20	53.291			
6,800.00	6,787.43	19,177.00	10,931.61	21.65	127.47	-69.347	-557.96	1,576.35	4,391.93	4,307.34	84.59	51.920			
6,900.00	6,887.18	19,177.00	10,931.61	22.01	127.47	-69.347	-557.96	1,576.35	4,296.70	4,211.71	84.99	50.554			
7,000.00	6,986.94	19,177.00	10,931.61	22.36	127.47	-69.347	-557.96	1,576.35	4,201.69	4,116.28	85.41	49.192			
7,100.00	7,086.70	19,177.00	10,931.61	22.72	127.47	-69.347	-557.96	1,576.35	4,106.92	4,021.07	85.85	47.836			
7,200.00	7,186.45	19,177.00	10,931.61	23.08	127.47	-69.347	-557.96	1,576.35	4,012.41	3,926.09	86.31	46.486			
7,300.00	7,286.21	19,177.00	10,931.61	23.44	127.47	-69.347	-557.96	1,576.35	3,918.17	3,831.37	86.80	45.141			
7,400.00	7,385.97	19,177.00	10,931.61	23.80	127.47	-69.347	-557.96	1,576.35	3,824.22	3,736.91	87.31	43.801			
7,500.00	7,485.72	19,177.00	10,931.61	24.16	127.47	-69.347	-557.96	1,576.35	3,730.58	3,642.74	87.84	42.468			
7,600.00	7,585.48	19,177.00	10,931.61	24.52	127.47	-69.347	-557.96	1,576.35	3,637.28	3,548.88	88.41	41.141			
7,700.00	7,685.24	19,177.00	10,931.61	24.88	127.47	-69.347	-557.96	1,576.35	3,544.35	3,455.35	89.01	39.821			
7,800.00	7,784.99	19,177.00	10,931.61	25.24	127.47	-69.347	-557.96	1,576.35	3,451.82	3,362.18	89.64	38.508			
7,900.00	7,884.75	19,177.00	10,931.61	25.60	127.47	-69.347	-557.96	1,576.35	3,359.71	3,269.40	90.31	37.202			
8,000.00	7,984.51	19,177.00	10,931.61	25.96	127.47	-69.347	-557.96	1,576.35	3,268.07	3,177.04	91.02	35.905			
8,100.00	8,084.26	19,177.00	10,931.61	26.32	127.47	-69.347	-557.96	1,576.35	3,176.93	3,085.15	91.78	34.615			
8,200.00	8,184.02	19,177.00	10,931.61	26.68	127.47	-69.347	-557.96	1,576.35	3,086.33	2,993.75	92.59	33.335			
8,300.00	8,283.78	19,177.00	10,931.61	27.04	127.47	-69.347	-557.96	1,576.35	2,996.34	2,902.89	93.45	32.064			
8,400.00	8,383.53	19,177.00	10,931.61	27.40	127.47	-69.347	-557.96	1,576.35	2,907.00	2,812.63	94.37	30.803			
8,500.00	8,483.29	19,177.00	10,931.61	27.76	127.47	-69.347	-557.96	1,576.35	2,818.38	2,723.02	95.36	29.555			
8,600.00	8,583.05	19,177.00	10,931.61	28.12	127.47	-69.347	-557.96	1,576.35	2,730.54	2,634.12	96.42	28.318			
8,700.00	8,682.80	19,177.00	10,931.61	28.48	127.47	-69.347	-557.96	1,576.35	2,643.57	2,546.01	97.57	27.095			
8,800.00	8,782.56	19,177.00	10,931.61	28.85	127.47	-69.347	-557.96	1,576.35	2,557.55	2,458.76	98.79	25.888			
8,900.00	8,882.32	19,177.00	10,931.61	29.21	127.47	-69.347	-557.96	1,576.35	2,472.59	2,372.47	100.12	24.697			
9,000.00	8,982.07	19,177.00	10,931.61	29.57	127.47	-69.347	-557.96	1,576.35	2,388.78	2,287.24	101.55	23.524			
9,100.00	9,081.83	19,177.00	10,931.61	29.93	127.47	-69.347	-557.96	1,576.35	2,306.27	2,203.19	103.09	22.372			
9,200.00	9,181.59	19,177.00	10,931.61	30.30	127.47	-69.347	-557.96	1,576.35	2,225.19	2,120.45	104.75	21.243			
9,300.00	9,281.34	19,177.00	10,931.61	30.66	127.47	-69.347	-557.96	1,576.35	2,145.72	2,039.18	106.54	20.140			
9,400.00	9,381.10	19,177.00	10,931.61	31.02	127.47	-69.347	-557.96	1,576.35	2,068.02	1,959.55	108.47	19.065			
9,500.00	9,480.86	19,177.00	10,931.61	31.39	127.47	-69.347	-557.96	1,576.35	1,992.31	1,881.76	110.55	18.022			
9,600.00	9,580.61	19,177.00	10,931.61	31.75	127.47	-69.347	-557.96	1,576.35	1,918.83	1,806.05	112.78	17.014			
9,700.00	9,680.37	19,177.00	10,931.61	32.11	127.47	-69.347	-557.96	1,576.35	1,847.84	1,732.67	115.17	16.044			
9,800.00	9,780.13	19,177.00	10,931.61	32.48	127.47	-69.347	-557.96	1,576.35	1,779.64	1,661.93	117.71	15.119			
9,900.00	9,879.88	19,177.00	10,931.61	32.84	127.47	-69.347	-557.96	1,576.35	1,714.56	1,594.16	120.40	14.240			
10,000.00	9,979.64	19,177.00	10,931.61	33.20	127.47	-69.347	-557.96	1,576.35	1,652.97	1,529.75	123.22	13.414			
10,100.00	10,079.39	19,177.00	10,931.61	33.57	127.47	-69.347	-557.96	1,576.35	1,595.28	1,469.12	126.16	12.645			

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattleman Fed Com 4 - Cattleman Fed Com 204H - OH / 69917 - Surveys H&P 656)												<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 175-MWD+HRGM												<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>												
<b>Offset</b>												
<b>Semi Major Axis</b>												
<b>Highside</b>												
<b>Offset Wellbore Centre</b>												
<b>Distance</b>												
<b>Between</b>												
<b>Ellipses</b>												
<b>Minimum</b>												
<b>Separation</b>												
<b>Factor</b>												
<b>Warning</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>+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>
10,200.00	10,179.15	19,177.00	10,931.61	33.93	127.47	-69.347	-557.96	1,576.35	1,541.92	1,412.75	129.17	11.937
10,300.00	10,278.91	19,177.00	10,931.61	34.29	127.47	-69.347	-557.96	1,576.35	1,493.36	1,361.14	132.22	11.294
10,400.00	10,378.66	19,177.00	10,931.61	34.66	127.47	-69.347	-557.96	1,576.35	1,450.08	1,314.83	135.24	10.722
10,500.00	10,478.42	19,177.00	10,931.61	35.02	127.47	-69.347	-557.96	1,576.35	1,412.56	1,274.39	138.17	10.223
10,600.00	10,578.18	19,177.00	10,931.61	35.39	127.47	-69.347	-557.96	1,576.35	1,381.28	1,240.35	140.93	9.801
10,700.00	10,677.93	19,177.00	10,931.61	35.75	127.47	-69.347	-557.96	1,576.35	1,356.67	1,213.24	143.43	9.459
10,800.00	10,777.69	19,177.00	10,931.61	36.12	127.47	-69.347	-557.96	1,576.35	1,339.08	1,193.49	145.60	9.197
10,900.00	10,877.45	19,177.00	10,931.61	36.48	127.47	-69.347	-557.96	1,576.35	1,328.81	1,181.45	147.36	9.018
10,986.98	10,964.22	19,177.00	10,931.61	36.80	127.47	-69.347	-557.96	1,576.35	1,325.96	1,177.44	148.53	8.927 CC
11,000.00	10,977.20	19,177.00	10,931.61	36.85	127.47	-69.347	-557.96	1,576.35	1,326.03	1,177.36	148.67	8.919 ES
11,100.00	11,076.96	19,177.00	10,931.61	37.21	127.47	-69.347	-557.96	1,576.35	1,330.77	1,181.26	149.51	8.901 SF
11,200.00	11,176.72	19,177.00	10,931.61	37.57	127.47	-69.347	-557.96	1,576.35	1,342.97	1,193.10	149.87	8.961
11,300.00	11,276.47	19,177.00	10,931.61	37.94	127.47	-69.347	-557.96	1,576.35	1,362.41	1,212.63	149.78	9.096
11,400.00	11,376.23	19,177.00	10,931.61	38.30	127.47	-69.347	-557.96	1,576.35	1,388.80	1,239.52	149.28	9.303
11,500.00	11,475.99	19,177.00	10,931.61	38.67	127.47	-69.347	-557.96	1,576.35	1,421.75	1,273.30	148.45	9.577
11,510.34	11,486.30	19,177.00	10,931.61	38.71	127.47	-69.347	-557.96	1,576.35	1,425.51	1,277.16	148.35	9.609
11,600.00	11,575.83	19,177.00	10,931.61	39.02	127.47	-70.078	-557.96	1,576.35	1,461.26	1,313.91	147.35	9.917
11,700.00	11,675.80	19,177.00	10,931.61	39.33	127.47	-71.060	-557.96	1,576.35	1,507.41	1,361.34	146.07	10.320
11,710.24	11,686.04	19,177.00	10,931.61	39.34	127.47	86.222	-557.96	1,576.35	1,512.49	1,366.57	145.92	10.365
11,800.00	11,775.80	19,177.00	10,931.61	39.34	127.47	86.222	-557.96	1,576.35	1,559.20	1,414.61	144.59	10.784
11,900.00	11,875.80	19,177.00	10,931.61	39.35	127.47	86.222	-557.96	1,576.35	1,615.53	1,472.48	143.05	11.294
12,000.00	11,975.80	19,177.00	10,931.61	39.35	127.47	86.222	-557.96	1,576.35	1,675.94	1,534.45	141.49	11.845
12,100.00	12,075.80	19,177.00	10,931.61	39.36	127.47	86.222	-557.96	1,576.35	1,740.01	1,600.05	139.95	12.433
12,200.00	12,175.80	19,177.00	10,931.61	39.36	127.47	86.222	-557.96	1,576.35	1,807.33	1,668.88	138.46	13.053
12,210.24	12,186.04	19,177.00	10,931.61	39.36	127.47	86.222	-557.96	1,576.35	1,814.40	1,676.09	138.31	13.119
12,250.00	12,225.77	19,177.00	10,931.61	39.43	127.47	-89.354	-557.96	1,576.35	1,842.15	1,704.42	137.73	13.375
12,300.00	12,275.43	19,177.00	10,931.61	39.69	127.47	-84.334	-557.96	1,576.35	1,877.60	1,740.58	137.02	13.703
12,350.00	12,324.42	19,177.00	10,931.61	39.98	127.47	-79.257	-557.96	1,576.35	1,913.41	1,777.07	136.34	14.034
12,400.00	12,372.35	19,177.00	10,931.61	40.29	127.47	-74.244	-557.96	1,576.35	1,949.29	1,813.60	135.69	14.366
12,450.00	12,418.86	19,177.00	10,931.61	40.60	127.47	-69.407	-557.96	1,576.35	1,984.97	1,849.89	135.08	14.695
12,500.00	12,463.61	19,177.00	10,931.61	40.91	127.47	-64.836	-557.96	1,576.35	2,020.20	1,885.69	134.50	15.020
12,550.00	12,506.24	19,177.00	10,931.61	41.22	127.47	-60.594	-557.96	1,576.35	2,054.73	1,920.76	133.96	15.338
12,600.00	12,546.43	19,177.00	10,931.61	41.50	127.47	-56.716	-557.96	1,576.35	2,088.34	1,954.88	133.46	15.647
12,650.00	12,583.88	19,177.00	10,931.61	41.78	127.47	-53.216	-557.96	1,576.35	2,120.84	1,987.83	133.00	15.946
12,700.00	12,618.30	19,177.00	10,931.61	42.03	127.47	-50.087	-557.96	1,576.35	2,152.02	2,019.44	132.58	16.232
12,750.00	12,649.43	19,177.00	10,931.61	42.27	127.47	-47.314	-557.96	1,576.35	2,181.71	2,049.53	132.18	16.505
12,800.00	12,677.04	19,177.00	10,931.61	42.47	127.47	-44.873	-557.96	1,576.35	2,209.76	2,077.93	131.82	16.763
12,850.00	12,700.91	19,177.00	10,931.61	42.66	127.47	-42.738	-557.96	1,576.35	2,236.01	2,104.51	131.49	17.005
12,900.00	12,720.86	19,177.00	10,931.61	42.81	127.47	-40.883	-557.96	1,576.35	2,260.32	2,129.14	131.19	17.230
12,950.00	12,736.74	19,177.00	10,931.61	42.94	127.47	-39.281	-557.96	1,576.35	2,282.59	2,151.68	130.90	17.437
13,000.00	12,748.43	19,177.00	10,931.61	43.04	127.47	-37.911	-557.96	1,576.35	2,302.69	2,172.05	130.64	17.626
13,050.00	12,755.84	19,177.00	10,931.61	43.11	127.47	-36.752	-557.96	1,576.35	2,320.54	2,190.14	130.40	17.795
13,100.00	12,758.91	19,177.00	10,931.61	43.15	127.47	-35.786	-557.96	1,576.35	2,336.06	2,205.87	130.18	17.945
13,110.24	12,759.00	19,177.00	10,931.61	43.16	127.47	-35.611	-557.96	1,576.35	2,338.94	2,208.82	130.12	17.975
13,200.00	12,759.00	19,177.00	10,931.61	43.21	127.47	-35.611	-557.96	1,576.35	2,365.33	2,235.77	129.56	18.257
13,300.00	12,759.00	19,177.00	10,931.61	43.28	127.47	-35.611	-557.96	1,576.35	2,398.35	2,269.50	128.85	18.613
13,400.00	12,759.00	19,177.00	10,931.61	43.36	127.47	-35.611	-557.96	1,576.35	2,435.03	2,306.95	128.08	19.012
13,500.00	12,759.00	19,177.00	10,931.61	43.45	127.47	-35.611	-557.96	1,576.35	2,475.21	2,347.97	127.25	19.452
13,600.00	12,759.00	19,177.00	10,931.61	43.56	127.47	-35.611	-557.96	1,576.35	2,518.73	2,392.37	126.36	19.933
13,700.00	12,759.00	19,177.00	10,931.61	43.70	127.47	-35.611	-557.96	1,576.35	2,565.40	2,439.97	125.43	20.453
13,800.00	12,759.00	19,177.00	10,931.61	43.86	127.47	-35.611	-557.96	1,576.35	2,615.07	2,490.61	124.46	21.011
13,900.00	12,759.00	19,177.00	10,931.61	44.05	127.47	-35.611	-557.96	1,576.35	2,667.56	2,544.09	123.47	21.605

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattleman Fed Com 4 - Cattleman Fed Com 204H - OH / 69917 - Surveys H&P 656)													Offset Site Error: 0.00 usft		
Survey Program: 175-MWD+HRGM				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,000.00	12,759.00	19,177.00	10,931.61	44.28	127.47	-35.611	-557.96	1,576.35	2,722.72	2,600.26	122.46	22.234			
14,100.00	12,759.00	19,177.00	10,931.61	44.57	127.47	-35.611	-557.96	1,576.35	2,780.37	2,658.94	121.43	22.897			
14,200.00	12,759.00	19,177.00	10,931.61	44.91	127.47	-35.611	-557.96	1,576.35	2,840.38	2,719.98	120.40	23.591			
14,300.00	12,759.00	19,177.00	10,931.61	45.32	127.47	-35.611	-557.96	1,576.35	2,902.60	2,783.23	119.37	24.316			
14,400.00	12,759.00	19,177.00	10,931.61	45.81	127.47	-35.611	-557.96	1,576.35	2,966.88	2,848.54	118.34	25.071			
14,500.00	12,759.00	19,177.00	10,931.61	46.40	127.47	-35.611	-557.96	1,576.35	3,033.10	2,915.78	117.32	25.854			
14,600.00	12,759.00	19,177.00	10,931.61	47.09	127.47	-35.611	-557.96	1,576.35	3,101.13	2,984.82	116.31	26.663			
14,700.00	12,759.00	19,177.00	10,931.61	47.88	127.47	-35.611	-557.96	1,576.35	3,170.85	3,055.53	115.32	27.497			
14,800.00	12,759.00	19,177.00	10,931.61	48.76	127.47	-35.611	-557.96	1,576.35	3,242.16	3,127.82	114.34	28.355			
14,900.00	12,759.00	19,177.00	10,931.61	49.72	127.47	-35.611	-557.96	1,576.35	3,314.95	3,201.56	113.39	29.236			
15,000.00	12,759.00	19,177.00	10,931.61	50.75	127.47	-35.611	-557.96	1,576.35	3,389.13	3,276.67	112.45	30.138			
15,100.00	12,759.00	19,177.00	10,931.61	51.84	127.47	-35.611	-557.96	1,576.35	3,464.60	3,353.06	111.54	31.061			
15,200.00	12,759.00	19,177.00	10,931.61	52.98	127.47	-35.611	-557.96	1,576.35	3,541.30	3,430.64	110.66	32.003			
15,300.00	12,759.00	19,177.00	10,931.61	54.15	127.47	-35.611	-557.96	1,576.35	3,619.13	3,509.33	109.79	32.963			
15,400.00	12,759.00	19,177.00	10,931.61	55.36	127.47	-35.611	-557.96	1,576.35	3,698.02	3,589.07	108.96	33.940			
15,500.00	12,759.00	19,177.00	10,931.61	56.60	127.47	-35.611	-557.96	1,576.35	3,777.92	3,669.77	108.15	34.933			
15,600.00	12,759.00	19,177.00	10,931.61	57.85	127.47	-35.611	-557.96	1,576.35	3,858.75	3,751.39	107.36	35.941			
15,700.00	12,759.00	19,177.00	10,931.61	59.13	127.47	-35.611	-557.96	1,576.35	3,940.47	3,833.86	106.60	36.964			
15,800.00	12,759.00	19,177.00	10,931.61	60.42	127.47	-35.611	-557.96	1,576.35	4,023.01	3,917.14	105.87	38.000			
15,900.00	12,759.00	19,177.00	10,931.61	61.72	127.47	-35.611	-557.96	1,576.35	4,106.32	4,001.16	105.16	39.048			
16,000.00	12,759.00	19,177.00	10,931.61	63.04	127.47	-35.611	-557.96	1,576.35	4,190.37	4,085.89	104.48	40.108			
16,100.00	12,759.00	19,177.00	10,931.61	64.36	127.47	-35.611	-557.96	1,576.35	4,275.10	4,171.28	103.82	41.179			
16,200.00	12,759.00	19,177.00	10,931.61	65.69	127.47	-35.611	-557.96	1,576.35	4,360.48	4,257.30	103.18	42.260			
16,300.00	12,759.00	19,177.00	10,931.61	67.03	127.47	-35.611	-557.96	1,576.35	4,446.47	4,343.90	102.57	43.351			
16,400.00	12,759.00	19,177.00	10,931.61	68.37	127.47	-35.611	-557.96	1,576.35	4,533.03	4,431.05	101.98	44.451			
16,500.00	12,759.00	19,177.00	10,931.61	69.73	127.47	-35.611	-557.96	1,576.35	4,620.14	4,518.73	101.41	45.559			
16,600.00	12,759.00	19,177.00	10,931.61	71.08	127.47	-35.611	-557.96	1,576.35	4,707.76	4,606.89	100.86	46.674			
16,700.00	12,759.00	19,177.00	10,931.61	72.44	127.47	-35.611	-557.96	1,576.35	4,795.86	4,695.52	100.34	47.797			
16,800.00	12,759.00	19,177.00	10,931.61	73.81	127.47	-35.611	-557.96	1,576.35	4,884.42	4,784.59	99.83	48.926			
16,900.00	12,759.00	19,177.00	10,931.61	75.18	127.47	-35.611	-557.96	1,576.35	4,973.42	4,874.07	99.35	50.062			
17,000.00	12,759.00	19,177.00	10,931.61	76.55	127.47	-35.611	-557.96	1,576.35	5,062.82	4,963.94	98.88	51.202			
17,100.00	12,759.00	19,177.00	10,931.61	77.92	127.47	-35.611	-557.96	1,576.35	5,152.62	5,054.19	98.43	52.348			
17,200.00	12,759.00	19,177.00	10,931.61	79.30	127.47	-35.611	-557.96	1,576.35	5,242.78	5,144.78	98.00	53.499			
17,300.00	12,759.00	19,177.00	10,931.61	80.68	127.47	-35.611	-557.96	1,576.35	5,333.30	5,235.71	97.58	54.654			
17,400.00	12,759.00	19,177.00	10,931.61	82.07	127.47	-35.611	-557.96	1,576.35	5,424.15	5,326.96	97.19	55.812			
17,500.00	12,759.00	19,177.00	10,931.61	83.45	127.47	-35.611	-557.96	1,576.35	5,515.31	5,418.51	96.80	56.974			
17,600.00	12,759.00	19,177.00	10,931.61	84.84	127.47	-35.611	-557.96	1,576.35	5,606.78	5,510.34	96.44	58.139			
17,700.00	12,759.00	19,177.00	10,931.61	86.23	127.47	-35.611	-557.96	1,576.35	5,698.53	5,602.45	96.09	59.307			
17,800.00	12,759.00	19,177.00	10,931.61	87.62	127.47	-35.611	-557.96	1,576.35	5,790.56	5,694.81	95.75	60.477			
17,900.00	12,759.00	19,177.00	10,931.61	89.01	127.47	-35.611	-557.96	1,576.35	5,882.85	5,787.42	95.42	61.649			
18,000.00	12,759.00	19,177.00	10,931.61	90.41	127.47	-35.611	-557.96	1,576.35	5,975.38	5,880.27	95.11	62.823			
18,100.00	12,759.00	19,177.00	10,931.61	91.80	127.47	-35.611	-557.96	1,576.35	6,068.15	5,973.33	94.82	63.999			
18,200.00	12,759.00	19,177.00	10,931.61	93.20	127.47	-35.611	-557.96	1,576.35	6,161.15	6,066.62	94.53	65.175			
18,300.00	12,759.00	19,177.00	10,931.61	94.60	127.47	-35.611	-557.96	1,576.35	6,254.36	6,160.10	94.26	66.353			
18,400.00	12,759.00	19,177.00	10,931.61	96.00	127.47	-35.611	-557.96	1,576.35	6,347.78	6,253.79	94.00	67.531			
18,500.00	12,759.00	19,177.00	10,931.61	97.40	127.47	-35.611	-557.96	1,576.35	6,441.40	6,347.65	93.75	68.709			
18,600.00	12,759.00	19,177.00	10,931.61	98.81	127.47	-35.611	-557.96	1,576.35	6,535.21	6,441.70	93.51	69.888			
18,700.00	12,759.00	19,177.00	10,931.61	100.21	127.47	-35.611	-557.96	1,576.35	6,629.20	6,535.92	93.28	71.067			
18,800.00	12,759.00	19,177.00	10,931.61	101.62	127.47	-35.611	-557.96	1,576.35	6,723.36	6,630.30	93.06	72.246			
18,900.00	12,759.00	19,177.00	10,931.61	103.02	127.47	-35.611	-557.96	1,576.35	6,817.69	6,724.83	92.85	73.424			
19,000.00	12,759.00	19,177.00	10,931.61	104.43	127.47	-35.611	-557.96	1,576.35	6,912.17	6,819.52	92.65	74.601			
19,100.00	12,759.00	19,177.00	10,931.61	105.84	127.47	-35.611	-557.96	1,576.35	7,006.82	6,914.35	92.46	75.778			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattleman Fed Com 4 - Cattleman Fed Com 204H - OH / 69917 - Surveys H&P 656)												Offset Site Error:	0.00 usft
Survey Program:		175-MWD+HRGM				Rule Assigned:				Offset Well Error:	1.00 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,200.00	12,759.00	19,177.00	10,931.61	107.24	127.47	-35.611	-557.96	1,576.35	7,101.60	7,009.32	92.28	76.954	
19,300.00	12,759.00	19,177.00	10,931.61	108.65	127.47	-35.611	-557.96	1,576.35	7,196.53	7,104.42	92.11	78.129	
19,400.00	12,759.00	19,177.00	10,931.61	110.06	127.47	-35.611	-557.96	1,576.35	7,291.60	7,199.65	91.95	79.302	
19,500.00	12,759.00	19,177.00	10,931.61	111.47	127.47	-35.611	-557.96	1,576.35	7,386.79	7,295.00	91.79	80.475	
19,600.00	12,759.00	19,177.00	10,931.61	112.89	127.47	-35.611	-557.96	1,576.35	7,482.11	7,390.47	91.64	81.645	
19,700.00	12,759.00	19,177.00	10,931.61	114.30	127.47	-35.611	-557.96	1,576.35	7,577.55	7,486.05	91.50	82.814	
19,800.00	12,759.00	19,177.00	10,931.61	115.71	127.47	-35.611	-557.96	1,576.35	7,673.11	7,581.74	91.37	83.981	
19,900.00	12,759.00	19,177.00	10,931.61	117.12	127.47	-35.611	-557.96	1,576.35	7,768.77	7,677.53	91.24	85.146	
20,000.00	12,759.00	19,177.00	10,931.61	118.54	127.47	-35.611	-557.96	1,576.35	7,864.55	7,773.43	91.12	86.309	
20,100.00	12,759.00	19,177.00	10,931.61	119.95	127.47	-35.611	-557.96	1,576.35	7,960.43	7,869.42	91.01	87.470	
20,200.00	12,759.00	19,177.00	10,931.61	121.37	127.47	-35.611	-557.96	1,576.35	8,056.41	7,965.51	90.90	88.629	
20,300.00	12,759.00	19,177.00	10,931.61	122.78	127.47	-35.611	-557.96	1,576.35	8,152.49	8,061.69	90.80	89.785	
20,400.00	12,759.00	19,177.00	10,931.61	124.20	127.47	-35.611	-557.96	1,576.35	8,248.66	8,157.95	90.71	90.939	
20,500.00	12,759.00	19,177.00	10,931.61	125.61	127.47	-35.611	-557.96	1,576.35	8,344.92	8,254.30	90.62	92.090	
20,600.00	12,759.00	19,177.00	10,931.61	127.03	127.47	-35.611	-557.96	1,576.35	8,441.26	8,350.73	90.53	93.239	
20,700.00	12,759.00	19,177.00	10,931.61	128.45	127.47	-35.611	-557.96	1,576.35	8,537.70	8,447.24	90.46	94.385	
20,800.00	12,759.00	19,177.00	10,931.61	129.87	127.47	-35.611	-557.96	1,576.35	8,634.21	8,543.82	90.38	95.528	
20,900.00	12,759.00	19,177.00	10,931.61	131.29	127.47	-35.611	-557.96	1,576.35	8,730.80	8,640.48	90.32	96.668	
21,000.00	12,759.00	19,177.00	10,931.61	132.70	127.47	-35.611	-557.96	1,576.35	8,827.47	8,737.21	90.26	97.805	
21,100.00	12,759.00	19,177.00	10,931.61	134.12	127.47	-35.611	-557.96	1,576.35	8,924.21	8,834.01	90.20	98.939	
21,200.00	12,759.00	19,177.00	10,931.61	135.54	127.47	-35.611	-557.96	1,576.35	9,021.02	8,930.87	90.15	100.070	
21,300.00	12,759.00	19,177.00	10,931.61	136.96	127.47	-35.611	-557.96	1,576.35	9,117.90	9,027.80	90.10	101.198	
21,400.00	12,759.00	19,177.00	10,931.61	138.38	127.47	-35.611	-557.96	1,576.35	9,214.84	9,124.79	90.06	102.323	
21,500.00	12,759.00	19,177.00	10,931.61	139.80	127.47	-35.611	-557.96	1,576.35	9,311.86	9,221.84	90.02	103.444	
21,600.00	12,759.00	19,177.00	10,931.61	141.22	127.47	-35.611	-557.96	1,576.35	9,408.93	9,318.95	89.98	104.562	
21,700.00	12,759.00	19,177.00	10,931.61	142.65	127.47	-35.611	-557.96	1,576.35	9,506.06	9,416.11	89.95	105.677	
21,800.00	12,759.00	19,177.00	10,931.61	144.07	127.47	-35.611	-557.96	1,576.35	9,603.26	9,513.33	89.93	106.788	
21,900.00	12,759.00	19,177.00	10,931.61	145.49	127.47	-35.611	-557.96	1,576.35	9,700.51	9,610.60	89.91	107.896	
22,000.00	12,759.00	19,177.00	10,931.61	146.91	127.47	-35.611	-557.96	1,576.35	9,797.81	9,707.93	89.89	109.000	
22,100.00	12,759.00	19,177.00	10,931.61	148.33	127.47	-35.611	-557.96	1,576.35	9,895.17	9,805.30	89.87	110.101	
22,125.24	12,759.00	19,177.00	10,931.61	148.69	127.47	-35.611	-557.96	1,576.35	9,919.76	9,829.89	89.87	110.378	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 403H - OH / 68704 - Surveys (H&P 656)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 188-MWD+HDGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</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>Distance Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
0.00	0.00	61.61	9.61	1.00	1.00	-0.560	7,906.43	-77.28	7,906.81				
100.00	100.00	180.08	128.08	1.08	1.04	-0.564	7,906.14	-77.77	7,906.58	7,904.45	2.12	3,726.128	
200.00	200.00	274.44	222.44	1.60	1.17	-0.569	7,905.82	-78.45	7,906.25	7,903.48	2.76	2,859.899	
300.00	300.00	367.04	315.03	2.01	1.37	-0.574	7,905.60	-79.26	7,906.01	7,902.63	3.38	2,341.783	
400.00	400.00	459.56	407.55	2.35	1.61	-0.580	7,905.46	-80.07	7,905.87	7,901.90	3.96	1,994.781	
500.00	500.00	555.26	503.24	2.65	1.89	-0.586	7,905.40	-80.89	7,905.81	7,901.27	4.55	1,739.252	
600.00	600.00	656.92	604.91	2.93	2.21	-0.593	7,905.33	-81.77	7,905.76	7,900.62	5.14	1,539.279	
700.00	700.00	754.45	702.43	3.18	2.53	-0.599	7,905.27	-82.66	7,905.70	7,900.00	5.70	1,385.947	
743.89	743.89	795.91	743.89	3.28	2.66	-0.602	7,905.26	-83.05	7,905.70	7,899.75	5.94	1,329.980	
800.00	800.00	848.93	796.90	3.41	2.84	-0.606	7,905.26	-83.58	7,905.71	7,899.45	6.25	1,264.247	
900.00	900.00	949.11	897.07	3.64	3.18	-0.613	7,905.30	-84.60	7,905.76	7,898.94	6.81	1,160.293	
1,000.00	1,000.00	1,052.50	1,000.47	3.85	3.53	-0.621	7,905.31	-85.67	7,905.77	7,898.39	7.38	1,071.533	
1,021.65	1,021.65	1,074.88	1,022.85	3.89	3.61	-0.623	7,905.30	-85.90	7,905.77	7,898.27	7.50	1,054.308	
1,100.00	1,100.00	1,138.50	1,086.46	4.05	3.83	-0.628	7,905.37	-86.61	7,905.86	7,897.98	7.88	1,003.801	
1,200.00	1,200.00	1,238.19	1,186.14	4.24	4.18	-0.638	7,905.53	-88.01	7,906.03	7,897.62	8.41	939.552	
1,300.00	1,300.00	1,336.24	1,284.18	4.43	4.50	-0.644	7,905.70	-88.82	7,906.22	7,897.29	8.93	885.672	
1,400.00	1,400.00	1,425.00	1,372.94	4.61	4.80	-0.640	7,905.90	-88.37	7,906.44	7,897.03	9.40	840.841	
1,500.00	1,500.00	1,493.89	1,441.83	4.78	5.02	-0.634	7,906.24	-87.49	7,906.93	7,897.13	9.80	806.699	
1,600.00	1,599.98	1,556.79	1,504.71	4.98	5.23	-158.004	7,906.86	-86.55	7,909.52	7,899.34	10.19	776.550	
1,699.91	1,699.74	1,614.00	1,561.91	5.60	5.41	-157.957	7,907.68	-85.56	7,915.81	7,904.88	10.93	724.483	
1,800.00	1,799.59	1,710.58	1,658.46	5.91	5.73	-157.963	7,909.34	-83.79	7,923.98	7,912.45	11.54	686.923	
1,900.00	1,899.35	1,803.00	1,750.85	6.08	6.04	-157.967	7,911.08	-82.06	7,932.29	7,920.29	12.01	660.515	
2,000.00	1,999.11	1,851.97	1,799.79	6.27	6.21	-157.969	7,912.17	-80.99	7,940.96	7,928.61	12.35	642.818	
2,100.00	2,098.86	1,903.06	1,850.84	6.47	6.38	-157.968	7,913.63	-79.56	7,950.23	7,937.51	12.72	625.131	
2,200.00	2,198.62	1,993.00	1,940.66	6.68	6.69	-157.961	7,916.96	-76.24	7,960.30	7,947.07	13.23	601.773	
2,300.00	2,298.38	2,017.85	1,965.46	6.91	6.77	-157.958	7,918.01	-75.18	7,970.58	7,957.05	13.53	589.306	
2,400.00	2,398.13	2,123.10	2,070.51	7.15	7.14	-157.943	7,922.42	-70.41	7,981.17	7,967.06	14.11	565.490	
2,500.00	2,497.89	2,219.66	2,166.88	7.41	7.47	-157.926	7,926.42	-65.66	7,991.72	7,977.03	14.68	544.309	
2,600.00	2,597.65	2,305.14	2,252.16	7.67	7.77	-157.910	7,930.08	-61.12	8,002.40	7,987.17	15.22	525.718	
2,700.00	2,697.40	2,389.85	2,336.64	7.94	8.06	-157.890	7,933.86	-56.28	8,013.25	7,997.48	15.77	508.237	
2,800.00	2,797.16	2,472.07	2,418.62	8.21	8.35	-157.870	7,937.69	-51.35	8,024.31	8,007.99	16.31	491.940	
2,900.00	2,896.92	2,561.00	2,507.27	8.50	8.67	-157.847	7,942.04	-45.78	8,035.58	8,018.69	16.89	475.855	
3,000.00	2,996.67	2,713.22	2,658.99	8.79	9.21	-157.803	7,949.08	-35.68	8,046.62	8,028.93	17.70	454.634	
3,100.00	3,096.43	2,881.68	2,826.95	9.08	9.81	-157.752	7,955.28	-24.21	8,056.60	8,038.02	18.58	433.685	
3,200.00	3,196.19	2,953.89	2,898.97	9.38	10.07	-157.734	7,957.85	-19.76	8,066.56	8,047.45	19.11	422.085	
3,300.00	3,295.94	3,033.00	2,977.90	9.69	10.35	-157.717	7,960.94	-15.34	8,076.86	8,057.19	19.67	410.523	
3,400.00	3,395.70	3,103.94	3,048.70	10.00	10.60	-157.707	7,963.92	-12.14	8,087.46	8,067.25	20.21	400.147	
3,500.00	3,495.46	3,182.40	3,127.05	10.31	10.88	-157.705	7,967.40	-9.83	8,098.32	8,077.54	20.78	389.739	
3,600.00	3,595.21	3,223.00	3,167.60	10.63	11.03	-157.708	7,969.28	-9.16	8,109.55	8,088.34	21.21	382.344	
3,700.00	3,694.97	3,320.40	3,264.87	10.95	11.37	-157.716	7,974.15	-7.78	8,120.98	8,099.13	21.85	371.619	
3,800.00	3,794.73	3,362.02	3,306.18	11.27	12.24	-157.732	7,985.45	-3.69	8,132.42	8,109.39	23.03	353.127	
3,900.00	3,894.48	3,627.59	3,571.69	11.60	12.47	-157.735	7,987.92	-2.46	8,142.62	8,119.06	23.56	345.580	
4,000.00	3,994.24	3,975.70	3,919.63	11.93	13.70	-157.775	7,996.09	1.07	8,151.16	8,126.04	25.12	324.453	
4,100.00	4,094.00	4,073.00	4,016.93	12.26	14.05	-157.793	7,997.18	1.14	8,158.73	8,132.95	25.77	316.537	
4,200.00	4,193.75	4,138.64	4,082.56	12.59	14.28	-157.804	7,998.06	1.21	8,166.46	8,140.14	26.32	310.324	
4,300.00	4,293.51	4,232.72	4,176.63	12.93	14.61	-157.822	7,999.37	1.15	8,174.31	8,147.35	26.96	303.188	
4,400.00	4,393.27	20,670.65	12,554.03	13.26	126.17	-162.620	-241.31	251.40	8,162.90	8,086.59	76.31	106.972	
4,500.00	4,493.02	20,672.56	12,554.02	13.60	126.19	-162.640	-243.22	251.42	8,063.07	7,986.59	76.48	105.433	
4,600.00	4,592.78	20,674.50	12,554.01	13.94	126.22	-162.660	-245.16	251.43	7,963.23	7,886.59	76.65	103.897	
4,700.00	4,692.54	20,676.47	12,553.99	14.28	126.24	-162.680	-247.13	251.45	7,863.40	7,786.59	76.82	102.364	
4,800.00	4,792.29	20,678.48	12,553.98	14.62	126.27	-162.701	-249.14	251.47	7,763.58	7,686.58	76.99	100.835	
4,900.00	4,892.05	20,680.52	12,553.97	14.97	126.30	-162.723	-251.18	251.49	7,663.75	7,586.58	77.17	99.308	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 403H - OH / 68704 - Surveys (H&P 656)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 188-MWD+HDCM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
5,000.00	4,991.81	20,682.60	12,553.96	15.31	126.33	-162.745	-253.26	251.50	7,563.93	7,486.58	77.35	97.785	
5,100.00	5,091.56	20,684.71	12,553.95	15.66	126.36	-162.768	-255.37	251.52	7,464.11	7,386.58	77.54	96.266	
5,200.00	5,191.32	20,686.86	12,553.94	16.00	126.38	-162.791	-257.52	251.54	7,364.30	7,286.58	77.72	94.750	
5,300.00	5,291.08	20,689.05	12,553.93	16.35	126.41	-162.815	-259.71	251.56	7,264.49	7,186.58	77.91	93.238	
5,400.00	5,390.83	20,691.28	12,553.93	16.70	126.44	-162.840	-261.94	251.58	7,164.68	7,086.58	78.11	91.731	
5,500.00	5,490.59	20,693.54	12,553.92	17.05	126.47	-162.865	-264.20	251.60	7,064.88	6,986.58	78.30	90.227	
5,600.00	5,590.35	20,724.00	12,553.97	17.40	126.88	-163.231	-294.66	251.89	6,965.23	6,886.51	78.72	88.483	
5,700.00	5,690.10	20,724.00	12,553.97	17.75	126.88	-163.231	-294.66	251.89	6,865.41	6,786.51	78.90	87.012	
5,800.00	5,789.86	20,724.00	12,553.97	18.10	126.88	-163.231	-294.66	251.89	6,765.59	6,686.51	79.09	85.546	
5,900.00	5,889.62	20,724.00	12,553.97	18.46	126.88	-163.231	-294.66	251.89	6,665.78	6,586.51	79.28	84.083	
6,000.00	5,989.37	20,724.00	12,553.97	18.81	126.88	-163.231	-294.66	251.89	6,565.98	6,486.51	79.47	82.625	
6,100.00	6,089.13	20,724.00	12,553.97	19.16	126.88	-163.231	-294.66	251.89	6,466.18	6,386.52	79.66	81.171	
6,200.00	6,188.89	20,724.00	12,553.97	19.52	126.88	-163.231	-294.66	251.89	6,366.39	6,286.53	79.86	79.722	
6,300.00	6,288.64	20,724.00	12,553.97	19.87	126.88	-163.231	-294.66	251.89	6,266.60	6,186.55	80.06	78.277	
6,400.00	6,388.40	20,724.00	12,553.97	20.22	126.88	-163.231	-294.66	251.89	6,166.82	6,086.56	80.26	76.838	
6,500.00	6,488.16	20,724.00	12,553.97	20.58	126.88	-163.231	-294.66	251.89	6,067.05	5,986.59	80.46	75.403	
6,600.00	6,587.91	20,724.00	12,553.97	20.94	126.88	-163.231	-294.66	251.89	5,967.29	5,886.62	80.67	73.973	
6,700.00	6,687.67	20,725.66	12,553.98	21.29	126.91	-163.252	-296.31	251.91	5,867.53	5,786.64	80.89	72.536	
6,800.00	6,787.43	20,741.18	12,554.05	21.65	127.12	-163.457	-311.84	252.09	5,767.77	5,686.55	81.23	71.009	
6,900.00	6,887.18	20,756.08	12,554.10	22.01	127.32	-163.665	-326.73	252.29	5,668.00	5,586.45	81.56	69.497	
7,000.00	6,986.94	20,770.37	12,554.12	22.36	127.51	-163.874	-341.03	252.52	5,568.23	5,486.34	81.89	67.998	
7,100.00	7,086.70	20,784.10	12,554.12	22.72	127.69	-164.087	-354.75	252.77	5,468.44	5,386.22	82.22	66.512	
7,200.00	7,186.45	20,797.30	12,554.11	23.08	127.87	-164.302	-367.95	253.04	5,368.65	5,286.10	82.54	65.040	
7,300.00	7,286.21	20,810.00	12,554.08	23.44	128.04	-164.521	-380.65	253.32	5,268.84	5,185.97	82.87	63.579	
7,400.00	7,385.97	20,822.23	12,554.03	23.80	128.21	-164.745	-392.87	253.61	5,169.03	5,085.84	83.20	62.131	
7,500.00	7,485.72	20,834.01	12,553.97	24.16	128.37	-164.972	-404.65	253.92	5,069.22	4,985.70	83.52	60.694	
7,600.00	7,585.48	20,810.07	12,554.04	24.52	128.05	-164.513	-380.71	253.37	4,969.43	4,885.86	83.57	59.467	
7,700.00	7,685.24	20,816.63	12,554.05	24.88	128.13	-164.639	-387.27	253.48	4,869.65	4,785.79	83.85	58.073	
7,800.00	7,784.99	20,818.00	12,554.05	25.24	128.15	-164.666	-388.64	253.51	4,769.87	4,685.76	84.10	56.713	
7,900.00	7,884.75	20,818.00	12,554.05	25.60	128.15	-164.666	-388.64	253.51	4,670.10	4,585.75	84.35	55.368	
8,000.00	7,984.51	20,840.83	12,554.00	25.96	128.46	-165.110	-411.47	254.11	4,570.24	4,485.47	84.77	53.910	
8,100.00	8,084.26	20,844.67	12,554.00	26.32	128.51	-165.190	-415.30	254.22	4,470.45	4,385.40	85.05	52.561	
8,200.00	8,184.02	20,848.58	12,554.00	26.68	128.57	-165.270	-419.21	254.33	4,370.67	4,285.34	85.34	51.218	
8,300.00	8,283.78	20,852.56	12,554.01	27.04	128.62	-165.359	-423.19	254.45	4,270.89	4,185.27	85.62	49.882	
8,400.00	8,383.53	20,856.62	12,554.01	27.40	128.68	-165.448	-427.24	254.58	4,171.12	4,085.21	85.91	48.553	
8,500.00	8,483.29	20,860.75	12,554.02	27.76	128.73	-165.542	-431.37	254.71	4,071.35	3,985.15	86.20	47.231	
8,600.00	8,583.05	20,864.96	12,554.03	28.12	128.79	-165.639	-435.58	254.84	3,971.59	3,885.09	86.50	45.916	
8,700.00	8,682.80	20,869.25	12,554.05	28.48	128.85	-165.741	-439.88	254.98	3,871.82	3,785.03	86.79	44.609	
8,800.00	8,782.56	20,873.63	12,554.07	28.85	128.91	-165.848	-444.25	255.13	3,772.07	3,684.97	87.10	43.309	
8,900.00	8,882.32	20,878.10	12,554.09	29.21	128.97	-165.959	-448.71	255.28	3,672.32	3,584.92	87.40	42.016	
9,000.00	8,982.07	20,882.65	12,554.11	29.57	129.03	-166.077	-453.26	255.44	3,572.57	3,484.86	87.71	40.731	
9,100.00	9,081.83	20,887.29	12,554.14	29.93	129.09	-166.199	-457.90	255.61	3,472.83	3,384.81	88.02	39.453	
9,200.00	9,181.59	20,892.03	12,554.18	30.30	129.16	-166.329	-462.64	255.78	3,373.10	3,284.76	88.34	38.183	
9,300.00	9,281.34	20,912.00	12,554.35	30.66	129.43	-166.922	-482.59	256.56	3,273.42	3,184.63	88.79	36.869	
9,400.00	9,381.10	20,912.00	12,554.35	31.02	129.43	-166.922	-482.59	256.56	3,173.67	3,084.60	89.07	35.632	
9,500.00	9,480.86	20,912.00	12,554.35	31.39	129.43	-166.922	-482.59	256.56	3,073.93	2,984.58	89.35	34.402	
9,600.00	9,580.61	20,912.00	12,554.35	31.75	129.43	-166.922	-482.59	256.56	2,974.21	2,884.57	89.64	33.179	
9,700.00	9,680.37	20,919.56	12,554.43	32.11	129.53	-167.171	-490.14	256.86	2,874.51	2,784.51	90.00	31.941	
9,800.00	9,780.13	20,927.13	12,554.51	32.48	129.63	-167.438	-497.70	257.17	2,774.80	2,684.45	90.35	30.711	
9,900.00	9,879.88	20,934.69	12,554.59	32.84	129.73	-167.724	-505.26	257.48	2,675.09	2,584.38	90.71	29.490	
10,000.00	9,979.64	20,942.26	12,554.66	33.20	129.84	-168.032	-512.82	257.78	2,575.38	2,484.31	91.07	28.278	
10,100.00	10,079.39	20,949.83	12,554.74	33.57	129.94	-168.365	-520.38	258.09	2,475.68	2,384.24	91.44	27.074	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 403H - OH / 68704 - Surveys (H&P 656)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 188-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>	<b>Distance</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
10,200.00	10,179.15	20,957.39	12,554.82	33.93	130.04	-168.724	-527.94	258.40	2,375.97	2,284.16	91.81	25.880	
10,300.00	10,278.91	20,964.96	12,554.90	34.29	130.15	-169.115	-535.50	258.70	2,276.26	2,184.08	92.18	24.694	
10,400.00	10,378.66	20,972.53	12,554.97	34.66	130.25	-169.540	-543.06	259.01	2,176.56	2,084.00	92.55	23.517	
10,500.00	10,478.42	20,980.09	12,555.05	35.02	130.35	-170.005	-550.62	259.31	2,076.85	1,983.92	92.93	22.348	
10,600.00	10,578.18	20,987.66	12,555.13	35.39	130.46	-170.515	-558.18	259.62	1,977.15	1,883.84	93.31	21.188	
10,700.00	10,677.93	20,991.00	12,555.16	35.75	130.50	-170.756	-561.52	259.76	1,877.45	1,783.80	93.66	20.046	
10,800.00	10,777.69	20,991.00	12,555.16	36.12	130.50	-170.756	-561.52	259.76	1,777.79	1,683.81	93.98	18.918	
10,900.00	10,877.45	20,991.00	12,555.16	36.48	130.50	-170.756	-561.52	259.76	1,678.16	1,583.87	94.29	17.797	
11,000.00	10,977.20	20,991.00	12,555.16	36.85	130.50	-170.756	-561.52	259.76	1,578.58	1,483.97	94.61	16.685	
11,100.00	11,076.96	20,991.00	12,555.16	37.21	130.50	-170.756	-561.52	259.76	1,479.06	1,384.12	94.93	15.580	
11,200.00	11,176.72	20,991.00	12,555.16	37.57	130.50	-170.756	-561.52	259.76	1,379.60	1,284.35	95.25	14.483	
11,300.00	11,276.47	20,991.00	12,555.16	37.94	130.50	-170.756	-561.52	259.76	1,280.23	1,184.66	95.57	13.395	
11,400.00	11,376.23	20,991.00	12,555.16	38.30	130.50	-170.756	-561.52	259.76	1,180.97	1,085.08	95.89	12.316	
11,500.00	11,475.99	20,991.00	12,555.16	38.67	130.50	-170.756	-561.52	259.76	1,081.84	985.64	96.21	11.245	
11,510.34	11,486.30	20,991.00	12,555.16	38.71	130.50	-170.756	-561.52	259.76	1,071.61	975.37	96.24	11.135	
11,600.00	11,575.83	20,991.00	12,555.16	39.02	130.50	-168.262	-561.52	259.76	982.70	886.18	96.52	10.181	
11,700.00	11,675.80	20,991.00	12,555.16	39.33	130.50	-163.883	-561.52	259.76	883.30	786.46	96.84	9.122	
11,710.24	11,686.04	20,991.00	12,555.16	39.34	130.50	-5.893	-561.52	259.76	873.10	776.23	96.87	9.013	
11,800.00	11,775.80	20,991.00	12,555.16	39.34	130.50	-5.893	-561.52	259.76	783.80	686.66	97.14	8.069	
11,900.00	11,875.80	20,991.00	12,555.16	39.35	130.50	-5.893	-561.52	259.76	684.45	587.03	97.42	7.026	
12,000.00	11,975.80	20,991.00	12,555.16	39.35	130.50	-5.893	-561.52	259.76	585.32	487.65	97.67	5.993	
12,100.00	12,075.80	20,991.00	12,555.16	39.36	130.50	-5.893	-561.52	259.76	486.54	388.68	97.86	4.972	
12,200.00	12,175.80	20,991.00	12,555.16	39.36	130.50	-5.893	-561.52	259.76	388.39	290.45	97.94	3.965	
12,210.24	12,186.04	20,991.00	12,555.16	39.36	130.50	-5.893	-561.52	259.76	378.39	280.45	97.94	3.863	
12,250.00	12,225.77	20,991.00	12,555.16	39.43	130.50	175.854	-561.52	259.76	340.09	242.22	97.88	3.475	
12,300.00	12,275.43	20,991.00	12,555.16	39.69	130.50	176.651	-561.52	259.76	293.93	196.32	97.61	3.011	
12,350.00	12,324.42	20,991.00	12,555.16	39.98	130.50	177.093	-561.52	259.76	251.54	154.60	96.95	2.595	
12,400.00	12,372.35	20,991.00	12,555.16	40.29	130.50	177.347	-561.52	259.76	215.60	120.07	95.53	2.257	
12,450.00	12,418.86	20,991.00	12,555.16	40.60	130.50	177.483	-561.52	259.76	190.13	97.23	92.90	2.047	
12,500.00	12,463.61	20,991.00	12,555.16	40.91	130.50	177.529	-561.52	259.76	179.86	90.53	89.33	2.013 ES, SF	
12,503.95	12,467.05	20,991.00	12,555.16	40.94	130.50	177.529	-561.52	259.76	179.80	90.74	89.06	2.019 CC	
12,550.00	12,506.24	20,991.00	12,555.16	41.22	130.50	177.496	-561.52	259.76	187.38	100.42	86.95	2.155	
12,600.00	12,546.43	20,991.00	12,555.16	41.50	130.50	177.376	-561.52	259.76	210.75	123.62	87.13	2.419	
12,650.00	12,583.88	20,991.00	12,555.16	41.78	130.50	177.143	-561.52	259.76	245.34	156.77	88.57	2.770	
12,700.00	12,618.30	20,991.00	12,555.16	42.03	130.50	176.739	-561.52	259.76	286.91	196.93	89.99	3.188	
12,750.00	12,649.43	20,991.00	12,555.16	42.27	130.50	176.017	-561.52	259.76	332.61	241.60	91.01	3.654	
12,800.00	12,677.04	20,991.00	12,555.16	42.47	130.50	174.560	-561.52	259.76	380.67	289.00	91.67	4.153	
12,850.00	12,700.91	20,991.00	12,555.16	42.66	130.50	170.536	-561.52	259.76	429.99	337.96	92.03	4.672	
12,900.00	12,720.86	20,991.00	12,555.16	42.81	130.50	131.621	-561.52	259.76	479.87	387.70	92.17	5.206	
12,950.00	12,736.74	20,991.00	12,555.16	42.94	130.50	11.789	-561.52	259.76	529.83	437.67	92.16	5.749	
13,000.00	12,748.43	20,991.00	12,555.16	43.04	130.50	5.196	-561.52	259.76	579.52	487.49	92.03	6.297	
13,050.00	12,755.84	20,991.00	12,555.16	43.11	130.50	3.237	-561.52	259.76	628.66	536.85	91.81	6.848	
13,100.00	12,758.91	20,991.00	12,555.16	43.15	130.50	2.309	-561.52	259.76	677.04	585.52	91.52	7.398	
13,110.24	12,759.00	20,991.00	12,555.16	43.16	130.50	2.177	-561.52	259.76	686.84	595.39	91.45	7.511	
13,200.00	12,759.00	20,991.00	12,555.16	43.21	130.50	2.177	-561.52	259.76	773.01	682.08	90.92	8.502	
13,300.00	12,759.00	20,991.00	12,555.16	43.28	130.50	2.177	-561.52	259.76	869.86	779.38	90.48	9.613	
13,400.00	12,759.00	20,991.00	12,555.16	43.36	130.50	2.177	-561.52	259.76	967.36	877.21	90.15	10.730	
13,500.00	12,759.00	20,991.00	12,555.16	43.45	130.50	2.177	-561.52	259.76	1,065.32	975.42	89.90	11.850	
13,600.00	12,759.00	20,991.00	12,555.16	43.56	130.50	2.177	-561.52	259.76	1,163.63	1,073.93	89.70	12.973	
13,700.00	12,759.00	20,991.00	12,555.16	43.70	130.50	2.177	-561.52	259.76	1,262.20	1,172.66	89.54	14.097	
13,800.00	12,759.00	20,991.00	12,555.16	43.86	130.50	2.177	-561.52	259.76	1,360.98	1,271.57	89.41	15.221	
13,900.00	12,759.00	20,991.00	12,555.16	44.05	130.50	2.177	-561.52	259.76	1,459.93	1,370.62	89.31	16.346	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 403H - OH / 68704 - Surveys (H&P 656)													Offset Site Error: 0.00 usft	
Survey Program: 188-MWD+HDGM				Offset					Rule Assigned:				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
14,000.00	12,759.00	20,991.00	12,555.16	44.28	130.50	2.177	-561.52	259.76	1,559.01	1,469.78	89.23	17.471		
14,100.00	12,759.00	20,991.00	12,555.16	44.57	130.50	2.177	-561.52	259.76	1,658.20	1,569.03	89.17	18.596		
14,200.00	12,759.00	20,991.00	12,555.16	44.91	130.50	2.177	-561.52	259.76	1,757.49	1,668.37	89.12	19.721		
14,300.00	12,759.00	20,991.00	12,555.16	45.32	130.50	2.177	-561.52	259.76	1,856.85	1,767.77	89.08	20.845		
14,400.00	12,759.00	20,991.00	12,555.16	45.81	130.50	2.177	-561.52	259.76	1,956.27	1,867.22	89.05	21.968		
14,500.00	12,759.00	20,991.00	12,555.16	46.40	130.50	2.177	-561.52	259.76	2,055.75	1,966.72	89.03	23.091		
14,600.00	12,759.00	20,991.00	12,555.16	47.09	130.50	2.177	-561.52	259.76	2,155.28	2,066.27	89.01	24.213		
14,700.00	12,759.00	20,991.00	12,555.16	47.88	130.50	2.177	-561.52	259.76	2,254.85	2,165.85	89.01	25.334		
14,800.00	12,759.00	20,991.00	12,555.16	48.76	130.50	2.177	-561.52	259.76	2,354.46	2,265.46	89.00	26.453		
14,900.00	12,759.00	20,991.00	12,555.16	49.72	130.50	2.177	-561.52	259.76	2,454.10	2,365.09	89.01	27.572		
15,000.00	12,759.00	20,991.00	12,555.16	50.75	130.50	2.177	-561.52	259.76	2,553.77	2,464.75	89.01	28.690		
15,100.00	12,759.00	20,991.00	12,555.16	51.84	130.50	2.177	-561.52	259.76	2,653.46	2,564.43	89.03	29.806		
15,200.00	12,759.00	20,991.00	12,555.16	52.98	130.50	2.177	-561.52	259.76	2,753.17	2,664.13	89.04	30.921		
15,300.00	12,759.00	20,991.00	12,555.16	54.15	130.50	2.177	-561.52	259.76	2,852.91	2,763.85	89.06	32.034		
15,400.00	12,759.00	20,991.00	12,555.16	55.36	130.50	2.177	-561.52	259.76	2,952.66	2,863.58	89.08	33.146		
15,500.00	12,759.00	20,991.00	12,555.16	56.60	130.50	2.177	-561.52	259.76	3,052.43	2,963.33	89.10	34.257		
15,600.00	12,759.00	20,991.00	12,555.16	57.85	130.50	2.177	-561.52	259.76	3,152.21	3,063.08	89.13	35.366		
15,700.00	12,759.00	20,991.00	12,555.16	59.13	130.50	2.177	-561.52	259.76	3,252.01	3,162.85	89.16	36.473		
15,800.00	12,759.00	20,991.00	12,555.16	60.42	130.50	2.177	-561.52	259.76	3,351.82	3,262.63	89.19	37.579		
15,900.00	12,759.00	20,991.00	12,555.16	61.72	130.50	2.177	-561.52	259.76	3,451.64	3,362.41	89.23	38.683		
16,000.00	12,759.00	20,991.00	12,555.16	63.04	130.50	2.177	-561.52	259.76	3,551.47	3,462.21	89.27	39.786		
16,100.00	12,759.00	20,991.00	12,555.16	64.36	130.50	2.177	-561.52	259.76	3,651.31	3,562.01	89.30	40.886		
16,200.00	12,759.00	20,991.00	12,555.16	65.69	130.50	2.177	-561.52	259.76	3,751.16	3,661.81	89.35	41.985		
16,300.00	12,759.00	20,991.00	12,555.16	67.03	130.50	2.177	-561.52	259.76	3,851.01	3,761.63	89.39	43.082		
16,400.00	12,759.00	20,991.00	12,555.16	68.37	130.50	2.177	-561.52	259.76	3,950.88	3,861.44	89.43	44.177		
16,500.00	12,759.00	20,991.00	12,555.16	69.73	130.50	2.177	-561.52	259.76	4,050.75	3,961.27	89.48	45.270		
16,600.00	12,759.00	20,991.00	12,555.16	71.08	130.50	2.177	-561.52	259.76	4,150.62	4,061.10	89.53	46.361		
16,700.00	12,759.00	20,991.00	12,555.16	72.44	130.50	2.177	-561.52	259.76	4,250.51	4,160.93	89.58	47.450		
16,800.00	12,759.00	20,991.00	12,555.16	73.81	130.50	2.177	-561.52	259.76	4,350.39	4,260.76	89.63	48.537		
16,900.00	12,759.00	20,991.00	12,555.16	75.18	130.50	2.177	-561.52	259.76	4,450.29	4,360.60	89.68	49.622		
17,000.00	12,759.00	20,991.00	12,555.16	76.55	130.50	2.177	-561.52	259.76	4,550.18	4,460.44	89.74	50.705		
17,100.00	12,759.00	20,991.00	12,555.16	77.92	130.50	2.177	-561.52	259.76	4,650.08	4,560.29	89.79	51.786		
17,200.00	12,759.00	20,991.00	12,555.16	79.30	130.50	2.177	-561.52	259.76	4,749.99	4,660.14	89.85	52.865		
17,300.00	12,759.00	20,991.00	12,555.16	80.68	130.50	2.177	-561.52	259.76	4,849.90	4,759.99	89.91	53.941		
17,400.00	12,759.00	20,991.00	12,555.16	82.07	130.50	2.177	-561.52	259.76	4,949.81	4,859.84	89.97	55.015		
17,500.00	12,759.00	20,991.00	12,555.16	83.45	130.50	2.177	-561.52	259.76	5,049.73	4,959.70	90.03	56.087		
17,600.00	12,759.00	20,991.00	12,555.16	84.84	130.50	2.177	-561.52	259.76	5,149.65	5,059.55	90.10	57.156		
17,700.00	12,759.00	20,991.00	12,555.16	86.23	130.50	2.177	-561.52	259.76	5,249.57	5,159.41	90.16	58.223		
17,800.00	12,759.00	20,991.00	12,555.16	87.62	130.50	2.177	-561.52	259.76	5,349.50	5,259.27	90.23	59.288		
17,900.00	12,759.00	20,991.00	12,555.16	89.01	130.50	2.177	-561.52	259.76	5,449.43	5,359.13	90.30	60.350		
18,000.00	12,759.00	20,991.00	12,555.16	90.41	130.50	2.177	-561.52	259.76	5,549.36	5,458.99	90.37	61.410		
18,100.00	12,759.00	20,991.00	12,555.16	91.80	130.50	2.177	-561.52	259.76	5,649.29	5,558.86	90.44	62.468		
18,200.00	12,759.00	20,991.00	12,555.16	93.20	130.50	2.177	-561.52	259.76	5,749.23	5,658.72	90.51	63.522		
18,300.00	12,759.00	20,991.00	12,555.16	94.60	130.50	2.177	-561.52	259.76	5,849.17	5,758.59	90.58	64.575		
18,400.00	12,759.00	20,991.00	12,555.16	96.00	130.50	2.177	-561.52	259.76	5,949.11	5,858.45	90.65	65.625		
18,500.00	12,759.00	20,991.00	12,555.16	97.40	130.50	2.177	-561.52	259.76	6,049.05	5,958.32	90.73	66.672		
18,600.00	12,759.00	20,991.00	12,555.16	98.81	130.50	2.177	-561.52	259.76	6,148.99	6,058.19	90.80	67.716		
18,700.00	12,759.00	20,991.00	12,555.16	100.21	130.50	2.177	-561.52	259.76	6,248.94	6,158.06	90.88	68.759		
18,800.00	12,759.00	20,991.00	12,555.16	101.62	130.50	2.177	-561.52	259.76	6,348.89	6,257.92	90.96	69.798		
18,900.00	12,759.00	20,991.00	12,555.16	103.02	130.50	2.177	-561.52	259.76	6,448.83	6,357.79	91.04	70.835		
19,000.00	12,759.00	20,991.00	12,555.16	104.43	130.50	2.177	-561.52	259.76	6,548.79	6,457.66	91.12	71.869		
19,100.00	12,759.00	20,991.00	12,555.16	105.84	130.50	2.177	-561.52	259.76	6,648.74	6,557.53	91.20	72.900		

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 403H - OH / 68704 - Surveys (H&P 656)												Offset Site Error:	0.00 usft	
Survey Program: 188-MWD+HDGM				Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error:	1.00 usft
Reference	Vertical	Offset	Vertical	Reference	Offset	Highside			Distance				Warning	
Measured Depth (usft)	Depth (usft)	Measured Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,200.00	12,759.00	20,991.00	12,555.16	107.24	130.50	2.177	-561.52	259.76	6,748.69	6,657.40	91.29	73.928		
19,300.00	12,759.00	20,991.00	12,555.16	108.65	130.50	2.177	-561.52	259.76	6,848.65	6,757.28	91.37	74.954		
19,400.00	12,759.00	20,991.00	12,555.16	110.06	130.50	2.177	-561.52	259.76	6,948.60	6,857.15	91.46	75.977		
19,500.00	12,759.00	20,991.00	12,555.16	111.47	130.50	2.177	-561.52	259.76	7,048.56	6,957.02	91.54	76.997		
19,600.00	12,759.00	20,991.00	12,555.16	112.89	130.50	2.177	-561.52	259.76	7,148.52	7,056.89	91.63	78.015		
19,700.00	12,759.00	20,991.00	12,555.16	114.30	130.50	2.177	-561.52	259.76	7,248.48	7,156.76	91.72	79.029		
19,800.00	12,759.00	20,991.00	12,555.16	115.71	130.50	2.177	-561.52	259.76	7,348.44	7,256.63	91.81	80.041		
19,900.00	12,759.00	20,991.00	12,555.16	117.12	130.50	2.177	-561.52	259.76	7,448.40	7,356.50	91.90	81.050		
20,000.00	12,759.00	20,991.00	12,555.16	118.54	130.50	2.177	-561.52	259.76	7,548.36	7,456.37	91.99	82.056		
20,100.00	12,759.00	20,991.00	12,555.16	119.95	130.50	2.177	-561.52	259.76	7,648.33	7,556.25	92.08	83.059		
20,200.00	12,759.00	20,991.00	12,555.16	121.37	130.50	2.177	-561.52	259.76	7,748.29	7,656.12	92.18	84.059		
20,300.00	12,759.00	20,991.00	12,555.16	122.78	130.50	2.177	-561.52	259.76	7,848.26	7,755.99	92.27	85.056		
20,400.00	12,759.00	20,991.00	12,555.16	124.20	130.50	2.177	-561.52	259.76	7,948.23	7,855.86	92.37	86.050		
20,500.00	12,759.00	20,991.00	12,555.16	125.61	130.50	2.177	-561.52	259.76	8,048.19	7,955.73	92.46	87.041		
20,600.00	12,759.00	20,991.00	12,555.16	127.03	130.50	2.177	-561.52	259.76	8,148.16	8,055.60	92.56	88.030		
20,700.00	12,759.00	20,991.00	12,555.16	128.45	130.50	2.177	-561.52	259.76	8,248.13	8,155.47	92.66	89.015		
20,800.00	12,759.00	20,991.00	12,555.16	129.87	130.50	2.177	-561.52	259.76	8,348.10	8,255.34	92.76	89.997		
20,900.00	12,759.00	20,991.00	12,555.16	131.29	130.50	2.177	-561.52	259.76	8,448.07	8,355.21	92.86	90.976		
21,000.00	12,759.00	20,991.00	12,555.16	132.70	130.50	2.177	-561.52	259.76	8,548.04	8,455.08	92.96	91.952		
21,100.00	12,759.00	20,991.00	12,555.16	134.12	130.50	2.177	-561.52	259.76	8,648.01	8,554.95	93.06	92.925		
21,200.00	12,759.00	20,991.00	12,555.16	135.54	130.50	2.177	-561.52	259.76	8,747.99	8,654.82	93.17	93.895		
21,300.00	12,759.00	20,991.00	12,555.16	136.96	130.50	2.177	-561.52	259.76	8,847.96	8,754.69	93.27	94.862		
21,400.00	12,759.00	20,991.00	12,555.16	138.38	130.50	2.177	-561.52	259.76	8,947.93	8,854.56	93.38	95.826		
21,500.00	12,759.00	20,991.00	12,555.16	139.80	130.50	2.177	-561.52	259.76	9,047.91	8,954.42	93.48	96.787		
21,600.00	12,759.00	20,991.00	12,555.16	141.22	130.50	2.177	-561.52	259.76	9,147.88	9,054.29	93.59	97.745		
21,700.00	12,759.00	20,991.00	12,555.16	142.65	130.50	2.177	-561.52	259.76	9,247.86	9,154.16	93.70	98.699		
21,800.00	12,759.00	20,991.00	12,555.16	144.07	130.50	2.177	-561.52	259.76	9,347.83	9,254.03	93.81	99.651		
21,900.00	12,759.00	20,991.00	12,555.16	145.49	130.50	2.177	-561.52	259.76	9,447.81	9,353.89	93.92	100.599		
22,000.00	12,759.00	20,991.00	12,555.16	146.91	130.50	2.177	-561.52	259.76	9,547.79	9,453.76	94.03	101.544		
22,100.00	12,759.00	20,991.00	12,555.16	148.33	130.50	2.177	-561.52	259.76	9,647.76	9,553.63	94.14	102.486		
22,125.24	12,759.00	20,991.00	12,555.16	148.69	130.50	2.177	-561.52	259.76	9,673.00	9,578.84	94.17	102.724		





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 422H - OH / 68635 - Surveys (H&P 625)													Offset Site Error: 0.00 usft	
Survey Program: 154-MWD+HDGM				Offset					Rule Assigned:				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	54.03	0.03	1.00	1.00	-10.008	7,889.95	-1,392.38	8,011.86					
100.00	100.00	154.00	100.00	1.08	1.03	-10.014	7,889.80	-1,393.19	8,011.86	8,009.75	2.11	3,797.081		
200.00	200.00	253.91	199.90	1.60	1.16	-10.022	7,889.63	-1,394.27	8,011.88	8,009.13	2.76	2,904.675		
300.00	300.00	362.39	308.38	2.01	1.40	-10.028	7,889.43	-1,395.07	8,011.83	8,008.42	3.41	2,351.649		
400.00	400.00	473.07	419.06	2.35	1.70	-10.032	7,889.16	-1,395.58	8,011.66	8,007.61	4.05	1,977.983		
500.00	500.00	574.00	519.98	2.65	2.00	-10.036	7,888.75	-1,396.10	8,011.36	8,006.71	4.66	1,720.998		
600.00	600.00	669.05	615.03	2.93	2.30	-10.040	7,888.38	-1,396.67	8,011.09	8,005.86	5.23	1,532.051		
700.00	700.00	754.00	699.98	3.18	2.58	-10.045	7,888.19	-1,397.23	8,010.98	8,005.22	5.76	1,391.292		
724.07	724.07	778.09	724.07	3.23	2.66	-10.046	7,888.16	-1,397.40	8,010.98	8,005.08	5.89	1,359.188		
800.00	800.00	848.00	793.98	3.41	2.89	-10.049	7,888.10	-1,397.86	8,011.01	8,004.70	6.31	1,270.435		
900.00	900.00	934.00	879.98	3.64	3.18	-10.053	7,888.12	-1,398.38	8,011.13	8,004.32	6.82	1,175.051		
1,000.00	1,000.00	1,027.42	973.39	3.85	3.50	-10.056	7,888.28	-1,398.82	8,011.39	8,004.05	7.34	1,091.347		
1,100.00	1,100.00	1,119.00	1,064.97	4.05	3.80	-10.057	7,888.61	-1,399.09	8,011.80	8,003.95	7.85	1,020.489		
1,200.00	1,200.00	1,277.79	1,223.76	4.24	4.34	-10.059	7,888.71	-1,399.44	8,011.91	8,003.33	8.58	933.469		
1,214.12	1,214.12	1,301.27	1,247.24	4.27	4.42	-10.060	7,888.61	-1,399.49	8,011.86	8,003.17	8.69	922.047		
1,300.00	1,300.00	1,322.38	1,268.35	4.43	4.49	-10.058	7,888.80	-1,399.26	8,012.00	8,003.08	8.92	898.467		
1,400.00	1,400.00	1,372.40	1,318.37	4.61	4.66	-10.053	7,889.28	-1,398.59	8,012.70	8,003.44	9.26	864.880		
1,500.00	1,500.00	1,454.00	1,399.92	4.78	4.93	-10.035	7,890.93	-1,396.39	8,014.16	8,004.45	9.71	825.151		
1,600.00	1,599.98	1,480.59	1,426.48	4.98	5.02	-167.407	7,891.66	-1,395.46	8,017.67	8,007.68	9.99	802.669		
1,699.91	1,699.74	1,552.78	1,498.60	5.60	5.26	-167.359	7,893.82	-1,392.91	8,025.10	8,014.28	10.82	741.438		
1,800.00	1,799.59	1,643.00	1,588.70	5.91	5.56	-167.343	7,896.88	-1,389.73	8,034.61	8,023.19	11.42	703.354		
1,900.00	1,899.35	1,730.22	1,675.82	6.08	5.85	-167.328	7,899.93	-1,386.72	8,044.24	8,032.36	11.88	676.856		
2,000.00	1,999.11	1,846.55	1,792.03	6.27	6.24	-167.309	7,903.76	-1,382.94	8,053.71	8,041.25	12.46	646.241		
2,100.00	2,098.86	1,897.74	1,843.13	6.47	6.42	-167.297	7,905.67	-1,380.83	8,063.43	8,050.60	12.84	628.222		
2,200.00	2,198.62	1,956.48	1,901.74	6.68	6.62	-167.279	7,908.25	-1,377.75	8,073.65	8,060.40	13.25	609.474		
2,300.00	2,298.38	2,019.00	1,964.04	6.91	6.84	-167.253	7,911.47	-1,373.66	8,084.37	8,070.68	13.68	590.812		
2,400.00	2,398.13	2,112.12	2,056.76	7.15	7.16	-167.209	7,916.64	-1,366.80	8,095.37	8,081.12	14.24	568.369		
2,500.00	2,497.89	2,208.00	2,152.21	7.41	7.50	-167.161	7,922.00	-1,359.47	8,106.37	8,091.55	14.82	546.878		
2,600.00	2,597.65	2,297.47	2,241.26	7.67	7.82	-167.116	7,927.11	-1,352.42	8,117.46	8,102.06	15.39	527.346		
2,700.00	2,697.40	2,383.53	2,326.88	7.94	8.13	-167.070	7,932.20	-1,345.47	8,128.71	8,112.75	15.96	509.351		
2,800.00	2,797.16	2,482.57	2,425.41	8.21	8.48	-167.017	7,938.18	-1,337.27	8,140.06	8,123.48	16.58	490.874		
2,900.00	2,896.92	2,583.80	2,526.08	8.50	8.85	-166.961	7,944.31	-1,328.64	8,151.40	8,134.18	17.22	473.313		
3,000.00	2,996.67	2,683.15	2,779.16	8.79	9.77	-166.823	7,957.42	-1,306.98	8,161.98	8,143.54	18.44	442.742		
3,100.00	3,096.43	3,093.66	3,034.09	9.08	10.68	-166.739	7,964.00	-1,291.93	8,170.13	8,150.48	19.64	415.921		
3,200.00	3,196.19	3,218.68	3,159.10	9.38	11.12	-166.749	7,964.74	-1,291.43	8,177.42	8,157.04	20.38	401.305		
3,300.00	3,295.94	3,318.39	3,258.81	9.69	11.47	-166.760	7,965.19	-1,291.51	8,184.66	8,163.63	21.02	389.315		
3,400.00	3,395.70	3,408.11	3,348.53	10.00	11.78	-166.769	7,965.66	-1,291.42	8,191.95	8,170.31	21.64	378.569		
3,500.00	3,495.46	3,495.21	3,435.63	10.31	12.09	-166.774	7,966.32	-1,290.89	8,199.39	8,177.14	22.25	368.514		
3,600.00	3,595.21	3,588.94	3,529.34	10.63	12.42	-166.777	7,967.24	-1,289.87	8,206.95	8,184.07	22.89	358.570		
3,700.00	3,694.97	3,686.66	3,627.05	10.95	12.76	-166.777	7,968.27	-1,288.50	8,214.55	8,191.01	23.54	348.904		
3,800.00	3,794.73	3,841.14	3,781.52	11.27	13.30	-166.779	7,969.49	-1,286.46	8,221.94	8,197.54	24.40	336.948		
3,900.00	3,894.48	3,958.10	3,898.47	11.60	13.71	-166.786	7,969.55	-1,285.69	8,228.65	8,203.52	25.13	327.473		
4,000.00	3,994.24	4,040.65	3,981.02	11.93	13.99	-166.791	7,969.69	-1,285.10	8,235.49	8,209.76	25.74	320.010		
4,100.00	4,094.00	4,130.04	4,070.40	12.26	14.31	-166.796	7,970.05	-1,284.34	8,242.53	8,216.16	26.37	312.573		
4,200.00	4,193.75	4,231.32	4,171.68	12.59	14.66	-166.800	7,970.47	-1,283.49	8,249.60	8,222.55	27.05	304.967		
4,300.00	4,293.51	4,331.59	4,271.95	12.93	15.01	-166.806	7,970.86	-1,282.72	8,256.65	8,228.92	27.73	297.747		
4,400.00	4,393.27	4,430.84	4,371.19	13.26	15.36	-166.813	7,971.22	-1,282.17	8,263.70	8,235.29	28.41	290.889		
4,500.00	4,493.02	20,579.00	12,682.74	13.60	124.74	134.465	-162.83	-1,074.10	8,270.35	8,193.07	77.28	107.020		
4,600.00	4,592.78	20,579.00	12,682.74	13.94	124.74	134.465	-162.83	-1,074.10	8,171.98	8,094.49	77.49	105.464		
4,700.00	4,692.54	20,579.00	12,682.74	14.28	124.74	134.465	-162.83	-1,074.10	8,073.64	7,995.95	77.70	103.911		
4,800.00	4,792.29	20,579.00	12,682.74	14.62	124.74	134.465	-162.83	-1,074.10	7,975.35	7,897.44	77.91	102.362		
4,900.00	4,892.05	20,579.00	12,682.74	14.97	124.74	134.465	-162.83	-1,074.10	7,877.11	7,798.97	78.13	100.815		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 422H - OH / 68635 - Surveys (H&P 625)													Offset Site Error:	0.00 usft
Survey Program:		154-MWD+HDCM					Rule Assigned:				Offset Well Error:	1.00 usft		
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,000.00	4,991.81	20,579.00	12,682.74	15.31	124.74	134.465	-162.83	-1,074.10	7,778.90	7,700.54	78.36	99.272		
5,100.00	5,091.56	20,617.88	12,682.09	15.66	125.26	133.026	-201.65	-1,076.22	7,680.21	7,601.31	78.90	97.341		
5,200.00	5,191.32	20,618.98	12,682.08	16.00	125.27	132.986	-202.74	-1,076.26	7,582.07	7,502.92	79.14	95.801		
5,300.00	5,291.08	20,620.11	12,682.08	16.35	125.29	132.944	-203.87	-1,076.32	7,483.98	7,404.58	79.39	94.265		
5,400.00	5,390.83	20,621.26	12,682.08	16.70	125.30	132.901	-205.02	-1,076.37	7,385.93	7,306.29	79.65	92.732		
5,500.00	5,490.59	20,622.44	12,682.08	17.05	125.32	132.857	-206.20	-1,076.42	7,287.94	7,208.04	79.91	91.204		
5,600.00	5,590.35	20,623.66	12,682.08	17.40	125.33	132.812	-207.41	-1,076.47	7,190.01	7,109.84	80.17	89.680		
5,700.00	5,690.10	20,624.90	12,682.08	17.75	125.35	132.765	-208.66	-1,076.52	7,092.13	7,011.69	80.45	88.160		
5,800.00	5,789.86	20,626.18	12,682.08	18.10	125.37	132.718	-209.94	-1,076.58	6,994.31	6,913.59	80.72	86.645		
5,900.00	5,889.62	20,627.50	12,682.08	18.46	125.38	132.669	-211.25	-1,076.63	6,896.55	6,815.55	81.01	85.134		
6,000.00	5,989.37	20,628.85	12,682.08	18.81	125.40	132.618	-212.60	-1,076.69	6,798.86	6,717.56	81.30	83.628		
6,100.00	6,089.13	20,630.23	12,682.09	19.16	125.42	132.567	-213.99	-1,076.74	6,701.23	6,619.64	81.60	82.127		
6,200.00	6,188.89	20,631.66	12,682.10	19.52	125.44	132.513	-215.41	-1,076.80	6,603.67	6,521.77	81.90	80.631		
6,300.00	6,288.64	20,633.13	12,682.10	19.87	125.46	132.459	-216.88	-1,076.86	6,506.19	6,423.98	82.21	79.140		
6,400.00	6,388.40	20,634.64	12,682.11	20.22	125.48	132.402	-218.39	-1,076.92	6,408.78	6,326.25	82.53	77.654		
6,500.00	6,488.16	20,636.20	12,682.13	20.58	125.50	132.344	-219.95	-1,076.97	6,311.45	6,228.59	82.86	76.173		
6,600.00	6,587.91	20,674.00	12,682.90	20.94	126.00	130.927	-257.72	-1,078.06	6,214.67	6,131.19	83.48	74.446		
6,700.00	6,687.67	20,674.00	12,682.90	21.29	126.00	130.927	-257.72	-1,078.06	6,117.47	6,033.66	83.81	72.993		
6,800.00	6,787.43	20,674.00	12,682.90	21.65	126.00	130.927	-257.72	-1,078.06	6,020.36	5,936.21	84.15	71.546		
6,900.00	6,887.18	20,674.00	12,682.90	22.01	126.00	130.927	-257.72	-1,078.06	5,923.34	5,838.85	84.49	70.105		
7,000.00	6,986.94	20,674.00	12,682.90	22.36	126.00	130.927	-257.72	-1,078.06	5,826.43	5,741.58	84.85	68.669		
7,100.00	7,086.70	20,674.00	12,682.90	22.72	126.00	130.927	-257.72	-1,078.06	5,729.62	5,644.41	85.21	67.239		
7,200.00	7,186.45	20,674.00	12,682.90	23.08	126.00	130.927	-257.72	-1,078.06	5,632.93	5,547.34	85.59	65.816		
7,300.00	7,286.21	20,674.00	12,682.90	23.44	126.00	130.927	-257.72	-1,078.06	5,536.35	5,450.38	85.97	64.398		
7,400.00	7,385.97	20,674.00	12,682.90	23.80	126.00	130.927	-257.72	-1,078.06	5,439.90	5,353.53	86.37	62.987		
7,500.00	7,485.72	20,674.00	12,682.90	24.16	126.00	130.927	-257.72	-1,078.06	5,343.57	5,256.80	86.77	61.582		
7,600.00	7,585.48	20,674.00	12,682.90	24.52	126.00	130.927	-257.72	-1,078.06	5,247.39	5,160.20	87.19	60.184		
7,700.00	7,685.24	20,674.00	12,682.90	24.88	126.00	130.927	-257.72	-1,078.06	5,151.34	5,063.72	87.62	58.792		
7,800.00	7,784.99	20,674.00	12,682.90	25.24	126.00	130.927	-257.72	-1,078.06	5,055.46	4,967.39	88.06	57.408		
7,900.00	7,884.75	20,674.00	12,682.90	25.60	126.00	130.927	-257.72	-1,078.06	4,959.73	4,871.21	88.52	56.030		
8,000.00	7,984.51	20,674.00	12,682.90	25.96	126.00	130.927	-257.72	-1,078.06	4,864.18	4,775.19	88.99	54.660		
8,100.00	8,084.26	20,674.00	12,682.90	26.32	126.00	130.927	-257.72	-1,078.06	4,768.81	4,679.33	89.48	53.297		
8,200.00	8,184.02	20,674.00	12,682.90	26.68	126.00	130.927	-257.72	-1,078.06	4,673.63	4,583.65	89.98	51.941		
8,300.00	8,283.78	20,684.56	12,683.24	27.04	126.14	130.528	-268.28	-1,078.27	4,578.65	4,488.07	90.58	50.546		
8,400.00	8,383.53	20,715.32	12,684.13	27.40	126.55	129.359	-299.01	-1,078.90	4,483.84	4,392.47	91.37	49.071		
8,500.00	8,483.29	20,742.99	12,684.79	27.76	126.92	128.294	-326.67	-1,079.46	4,389.21	4,297.05	92.16	47.626		
8,600.00	8,583.05	20,768.01	12,685.28	28.12	127.26	127.322	-351.68	-1,079.99	4,294.76	4,201.81	92.94	46.208		
8,700.00	8,682.80	20,745.95	12,684.72	28.48	126.96	128.179	-329.64	-1,079.53	4,200.49	4,107.12	93.37	44.990		
8,800.00	8,782.56	20,794.83	12,685.72	28.85	127.62	126.271	-378.49	-1,080.54	4,106.55	4,012.16	94.39	43.505		
8,900.00	8,882.32	20,807.63	12,685.91	29.21	127.79	125.767	-391.29	-1,080.80	4,012.83	3,917.68	95.15	42.174		
9,000.00	8,982.07	20,820.04	12,686.07	29.57	127.95	125.275	-403.70	-1,081.05	3,919.40	3,823.47	95.93	40.857		
9,100.00	9,081.83	20,832.09	12,686.22	29.93	128.12	124.797	-415.74	-1,081.29	3,826.28	3,729.54	96.74	39.553		
9,200.00	9,181.59	20,843.79	12,686.35	30.30	128.27	124.331	-427.44	-1,081.52	3,733.49	3,635.92	97.57	38.263		
9,300.00	9,281.34	20,855.15	12,686.46	30.66	128.42	123.877	-438.79	-1,081.74	3,641.06	3,542.62	98.44	36.987		
9,400.00	9,381.10	20,869.05	12,686.58	31.02	128.61	123.320	-452.69	-1,082.01	3,549.01	3,449.65	99.37	35.716		
9,500.00	9,480.86	20,885.81	12,686.65	31.39	128.83	122.645	-469.45	-1,082.39	3,457.37	3,357.02	100.36	34.451		
9,600.00	9,580.61	20,900.50	12,686.66	31.75	129.03	122.051	-484.14	-1,082.78	3,366.18	3,264.81	101.37	33.207		
9,700.00	9,680.37	20,913.50	12,686.61	32.11	129.20	121.524	-497.13	-1,083.16	3,275.48	3,173.06	102.42	31.982		
9,800.00	9,780.13	20,906.44	12,686.60	32.48	129.11	121.810	-490.07	-1,082.98	3,185.31	3,081.97	103.35	30.822		
9,900.00	9,879.88	20,924.93	12,686.55	32.84	129.36	121.059	-508.55	-1,083.51	3,095.74	2,991.20	104.54	29.613		
10,000.00	9,979.64	20,930.78	12,686.52	33.20	129.43	120.821	-514.40	-1,083.68	3,006.82	2,901.13	105.69	28.451		
10,100.00	10,079.39	20,936.63	12,686.49	33.57	129.51	120.583	-520.24	-1,083.86	2,918.60	2,811.70	106.89	27.304		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 422H - OH / 68635 - Surveys (H&P 625)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 154-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</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>	
10,200.00	10,179.15	20,942.47	12,686.46	33.93	129.59	120.344	-526.09	-1,084.04	2,831.15	2,722.98	108.17	26.174	
10,300.00	10,278.91	20,948.32	12,686.44	34.29	129.67	120.105	-531.93	-1,084.22	2,744.54	2,635.04	109.51	25.062	
10,400.00	10,378.66	20,954.17	12,686.41	34.66	129.75	119.867	-537.77	-1,084.40	2,658.87	2,547.94	110.93	23.969	
10,500.00	10,478.42	20,960.01	12,686.38	35.02	129.82	119.627	-543.62	-1,084.58	2,574.21	2,461.78	112.43	22.896	
10,600.00	10,578.18	20,965.86	12,686.35	35.39	129.90	119.388	-549.46	-1,084.76	2,490.68	2,376.66	114.02	21.845	
10,700.00	10,677.93	20,971.71	12,686.32	35.75	129.98	119.149	-555.31	-1,084.93	2,408.39	2,292.69	115.70	20.816	
10,800.00	10,777.69	20,977.00	12,686.32	36.12	129.98	119.137	-555.60	-1,084.94	2,327.48	2,210.05	117.43	19.821	
10,900.00	10,877.45	20,972.00	12,686.32	36.48	129.98	119.137	-555.60	-1,084.94	2,248.10	2,128.84	119.26	18.851	
11,000.00	10,977.20	20,972.00	12,686.32	36.85	129.98	119.137	-555.60	-1,084.94	2,170.43	2,049.24	121.19	17.909	
11,100.00	11,076.96	20,972.00	12,686.32	37.21	129.98	119.137	-555.60	-1,084.94	2,094.66	1,971.42	123.24	16.997	
11,200.00	11,176.72	20,972.00	12,686.32	37.57	129.98	119.137	-555.60	-1,084.94	2,020.99	1,895.60	125.39	16.118	
11,300.00	11,276.47	20,972.00	12,686.32	37.94	129.98	119.137	-555.60	-1,084.94	1,949.67	1,822.02	127.65	15.273	
11,400.00	11,376.23	20,972.00	12,686.32	38.30	129.98	119.137	-555.60	-1,084.94	1,880.96	1,750.95	130.01	14.468	
11,500.00	11,475.99	20,972.00	12,686.32	38.67	129.98	119.137	-555.60	-1,084.94	1,815.17	1,682.70	132.46	13.703	
11,510.34	11,486.30	20,972.00	12,686.32	38.71	129.98	119.137	-555.60	-1,084.94	1,808.55	1,675.83	132.72	13.627	
11,600.00	11,575.83	20,972.00	12,686.32	39.02	129.98	117.859	-555.60	-1,084.94	1,752.08	1,617.11	134.97	12.982	
11,700.00	11,675.80	20,972.00	12,686.32	39.33	129.98	116.494	-555.60	-1,084.94	1,691.23	1,553.76	137.47	12.303	
11,710.24	11,686.04	20,972.00	12,686.32	39.34	129.98	-86.248	-555.60	-1,084.94	1,685.14	1,547.42	137.72	12.236	
11,800.00	11,775.80	20,972.00	12,686.32	39.34	129.98	-86.248	-555.60	-1,084.94	1,633.46	1,493.59	139.86	11.679	
11,900.00	11,875.80	20,972.00	12,686.32	39.35	129.98	-86.248	-555.60	-1,084.94	1,579.90	1,437.67	142.23	11.108	
12,000.00	11,975.80	20,972.00	12,686.32	39.35	129.98	-86.248	-555.60	-1,084.94	1,531.01	1,386.49	144.52	10.594	
12,100.00	12,075.80	20,972.00	12,686.32	39.36	129.98	-86.248	-555.60	-1,084.94	1,487.24	1,340.57	146.67	10.140	
12,200.00	12,175.80	20,972.00	12,686.32	39.36	129.98	-86.248	-555.60	-1,084.94	1,449.06	1,300.43	148.63	9.749	
12,210.24	12,186.04	20,972.00	12,686.32	39.36	129.98	-86.248	-555.60	-1,084.94	1,445.48	1,296.67	148.81	9.713	
12,250.00	12,225.77	20,972.00	12,686.32	39.43	129.98	95.693	-555.60	-1,084.94	1,432.32	1,282.79	149.53	9.579	
12,300.00	12,275.43	20,972.00	12,686.32	39.69	129.98	97.229	-555.60	-1,084.94	1,417.55	1,267.13	150.43	9.424	
12,350.00	12,324.42	20,972.00	12,686.32	39.98	129.98	98.521	-555.60	-1,084.94	1,404.94	1,253.66	151.28	9.287	
12,400.00	12,372.35	20,972.00	12,686.32	40.29	129.98	99.560	-555.60	-1,084.94	1,394.64	1,242.55	152.09	9.170	
12,450.00	12,418.86	20,972.00	12,686.32	40.60	129.98	100.344	-555.60	-1,084.94	1,386.79	1,233.95	152.84	9.073	
12,500.00	12,463.61	20,972.00	12,686.32	40.91	129.98	100.869	-555.60	-1,084.94	1,381.48	1,227.97	153.51	8.999	
12,550.00	12,506.24	20,972.00	12,686.32	41.22	129.98	101.134	-555.60	-1,084.94	1,378.79	1,224.70	154.09	8.948	
12,575.80	12,527.30	20,972.00	12,686.32	41.36	129.98	101.168	-555.60	-1,084.94	1,378.43	1,224.08	154.35	8.930 CC, ES	
12,600.00	12,546.43	20,972.00	12,686.32	41.50	129.98	101.138	-555.60	-1,084.94	1,378.75	1,224.18	154.57	8.920	
12,650.00	12,583.88	20,972.00	12,686.32	41.78	129.98	100.881	-555.60	-1,084.94	1,381.35	1,226.42	154.93	8.916 SF	
12,700.00	12,618.30	20,972.00	12,686.32	42.03	129.98	100.364	-555.60	-1,084.94	1,386.58	1,231.41	155.17	8.936	
12,750.00	12,649.43	20,972.00	12,686.32	42.27	129.98	99.589	-555.60	-1,084.94	1,394.35	1,239.07	155.28	8.979	
12,800.00	12,677.04	20,972.00	12,686.32	42.47	129.98	98.558	-555.60	-1,084.94	1,404.58	1,249.31	155.26	9.046	
12,850.00	12,700.91	20,972.00	12,686.32	42.66	129.98	97.274	-555.60	-1,084.94	1,417.12	1,262.00	155.11	9.136	
12,900.00	12,720.86	20,972.00	12,686.32	42.81	129.98	95.746	-555.60	-1,084.94	1,431.82	1,276.98	154.84	9.247	
12,950.00	12,736.74	20,972.00	12,686.32	42.94	129.98	93.982	-555.60	-1,084.94	1,448.50	1,294.06	154.44	9.379	
13,000.00	12,748.43	20,972.00	12,686.32	43.04	129.98	91.995	-555.60	-1,084.94	1,466.99	1,313.05	153.94	9.530	
13,050.00	12,755.84	20,972.00	12,686.32	43.11	129.98	89.804	-555.60	-1,084.94	1,487.06	1,333.72	153.34	9.698	
13,100.00	12,758.91	20,972.00	12,686.32	43.15	129.98	87.430	-555.60	-1,084.94	1,508.51	1,355.85	152.65	9.882	
13,110.24	12,759.00	20,972.00	12,686.32	43.16	129.98	86.923	-555.60	-1,084.94	1,513.05	1,360.55	152.50	9.921	
13,200.00	12,759.00	20,972.00	12,686.32	43.21	129.98	86.923	-555.60	-1,084.94	1,555.15	1,404.09	151.06	10.295	
13,300.00	12,759.00	20,972.00	12,686.32	43.28	129.98	86.923	-555.60	-1,084.94	1,606.67	1,457.45	149.22	10.767	
13,400.00	12,759.00	20,972.00	12,686.32	43.36	129.98	86.923	-555.60	-1,084.94	1,662.61	1,515.41	147.21	11.294	
13,500.00	12,759.00	20,972.00	12,686.32	43.45	129.98	86.923	-555.60	-1,084.94	1,722.55	1,577.47	145.08	11.873	
13,600.00	12,759.00	20,972.00	12,686.32	43.56	129.98	86.923	-555.60	-1,084.94	1,786.08	1,643.18	142.90	12.499	
13,700.00	12,759.00	20,972.00	12,686.32	43.70	129.98	86.923	-555.60	-1,084.94	1,852.83	1,712.12	140.70	13.168	
13,800.00	12,759.00	20,972.00	12,686.32	43.86	129.98	86.923	-555.60	-1,084.94	1,922.46	1,783.94	138.52	13.878	
13,900.00	12,759.00	20,972.00	12,686.32	44.05	129.98	86.923	-555.60	-1,084.94	1,994.68	1,858.29	136.39	14.625	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 422H - OH / 68635 - Surveys (H&P 625)													Offset Site Error: 0.00 usft	
Survey Program: Reference		154-MWD+HDGM Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
14,000.00	12,759.00	20,972.00	12,686.32	44.28	129.98	86.923	-555.60	-1,084.94	2,069.21	1,934.90	134.32	15.406		
14,100.00	12,759.00	20,972.00	12,686.32	44.57	129.98	86.923	-555.60	-1,084.94	2,145.82	2,013.50	132.32	16.217		
14,200.00	12,759.00	20,972.00	12,686.32	44.91	129.98	86.923	-555.60	-1,084.94	2,224.28	2,093.88	130.41	17.056		
14,300.00	12,759.00	20,972.00	12,686.32	45.32	129.98	86.923	-555.60	-1,084.94	2,304.42	2,175.83	128.58	17.922		
14,400.00	12,759.00	20,972.00	12,686.32	45.81	129.98	86.923	-555.60	-1,084.94	2,386.05	2,259.20	126.85	18.810		
14,500.00	12,759.00	20,972.00	12,686.32	46.40	129.98	86.923	-555.60	-1,084.94	2,469.03	2,343.82	125.21	19.719		
14,600.00	12,759.00	20,972.00	12,686.32	47.09	129.98	86.923	-555.60	-1,084.94	2,553.24	2,429.58	123.66	20.647		
14,700.00	12,759.00	20,972.00	12,686.32	47.88	129.98	86.923	-555.60	-1,084.94	2,638.54	2,516.35	122.20	21.593		
14,800.00	12,759.00	20,972.00	12,686.32	48.76	129.98	86.923	-555.60	-1,084.94	2,724.85	2,604.03	120.82	22.554		
14,900.00	12,759.00	20,972.00	12,686.32	49.72	129.98	86.923	-555.60	-1,084.94	2,812.06	2,692.55	119.52	23.528		
15,000.00	12,759.00	20,972.00	12,686.32	50.75	129.98	86.923	-555.60	-1,084.94	2,900.10	2,781.81	118.30	24.516		
15,100.00	12,759.00	20,972.00	12,686.32	51.84	129.98	86.923	-555.60	-1,084.94	2,988.89	2,871.75	117.15	25.514		
15,200.00	12,759.00	20,972.00	12,686.32	52.98	129.98	86.923	-555.60	-1,084.94	3,078.37	2,962.30	116.07	26.522		
15,300.00	12,759.00	20,972.00	12,686.32	54.15	129.98	86.923	-555.60	-1,084.94	3,168.48	3,053.43	115.06	27.539		
15,400.00	12,759.00	20,972.00	12,686.32	55.36	129.98	86.923	-555.60	-1,084.94	3,259.17	3,145.06	114.10	28.563		
15,500.00	12,759.00	20,972.00	12,686.32	56.60	129.98	86.923	-555.60	-1,084.94	3,350.38	3,237.17	113.21	29.595		
15,600.00	12,759.00	20,972.00	12,686.32	57.85	129.98	86.923	-555.60	-1,084.94	3,442.09	3,329.72	112.37	30.632		
15,700.00	12,759.00	20,972.00	12,686.32	59.13	129.98	86.923	-555.60	-1,084.94	3,534.24	3,422.66	111.58	31.675		
15,800.00	12,759.00	20,972.00	12,686.32	60.42	129.98	86.923	-555.60	-1,084.94	3,626.81	3,515.97	110.84	32.722		
15,900.00	12,759.00	20,972.00	12,686.32	61.72	129.98	86.923	-555.60	-1,084.94	3,719.76	3,609.62	110.14	33.773		
16,000.00	12,759.00	20,972.00	12,686.32	63.04	129.98	86.923	-555.60	-1,084.94	3,813.07	3,703.59	109.48	34.827		
16,100.00	12,759.00	20,972.00	12,686.32	64.36	129.98	86.923	-555.60	-1,084.94	3,906.72	3,797.85	108.87	35.885		
16,200.00	12,759.00	20,972.00	12,686.32	65.69	129.98	86.923	-555.60	-1,084.94	4,000.67	3,892.38	108.29	36.944		
16,300.00	12,759.00	20,972.00	12,686.32	67.03	129.98	86.923	-555.60	-1,084.94	4,094.90	3,987.16	107.75	38.005		
16,400.00	12,759.00	20,972.00	12,686.32	68.37	129.98	86.923	-555.60	-1,084.94	4,189.40	4,082.17	107.23	39.068		
16,500.00	12,759.00	20,972.00	12,686.32	69.73	129.98	86.923	-555.60	-1,084.94	4,284.16	4,177.41	106.75	40.132		
16,600.00	12,759.00	20,972.00	12,686.32	71.08	129.98	86.923	-555.60	-1,084.94	4,379.14	4,272.85	106.30	41.197		
16,700.00	12,759.00	20,972.00	12,686.32	72.44	129.98	86.923	-555.60	-1,084.94	4,474.35	4,368.48	105.87	42.262		
16,800.00	12,759.00	20,972.00	12,686.32	73.81	129.98	86.923	-555.60	-1,084.94	4,569.76	4,464.29	105.47	43.327		
16,900.00	12,759.00	20,972.00	12,686.32	75.18	129.98	86.923	-555.60	-1,084.94	4,665.36	4,560.27	105.09	44.392		
17,000.00	12,759.00	20,972.00	12,686.32	76.55	129.98	86.923	-555.60	-1,084.94	4,761.14	4,656.40	104.74	45.457		
17,100.00	12,759.00	20,972.00	12,686.32	77.92	129.98	86.923	-555.60	-1,084.94	4,857.10	4,752.69	104.40	46.522		
17,200.00	12,759.00	20,972.00	12,686.32	79.30	129.98	86.923	-555.60	-1,084.94	4,953.21	4,849.12	104.09	47.585		
17,300.00	12,759.00	20,972.00	12,686.32	80.68	129.98	86.923	-555.60	-1,084.94	5,049.47	4,945.68	103.80	48.648		
17,400.00	12,759.00	20,972.00	12,686.32	82.07	129.98	86.923	-555.60	-1,084.94	5,145.88	5,042.36	103.52	49.710		
17,500.00	12,759.00	20,972.00	12,686.32	83.45	129.98	86.923	-555.60	-1,084.94	5,242.42	5,139.16	103.26	50.771		
17,600.00	12,759.00	20,972.00	12,686.32	84.84	129.98	86.923	-555.60	-1,084.94	5,339.09	5,236.08	103.01	51.830		
17,700.00	12,759.00	20,972.00	12,686.32	86.23	129.98	86.923	-555.60	-1,084.94	5,435.88	5,333.09	102.78	52.888		
17,800.00	12,759.00	20,972.00	12,686.32	87.62	129.98	86.923	-555.60	-1,084.94	5,532.78	5,430.21	102.56	53.944		
17,900.00	12,759.00	20,972.00	12,686.32	89.01	129.98	86.923	-555.60	-1,084.94	5,629.79	5,527.43	102.36	54.999		
18,000.00	12,759.00	20,972.00	12,686.32	90.41	129.98	86.923	-555.60	-1,084.94	5,726.90	5,624.73	102.17	56.052		
18,100.00	12,759.00	20,972.00	12,686.32	91.80	129.98	86.923	-555.60	-1,084.94	5,824.12	5,722.12	101.99	57.103		
18,200.00	12,759.00	20,972.00	12,686.32	93.20	129.98	86.923	-555.60	-1,084.94	5,921.42	5,819.59	101.83	58.152		
18,300.00	12,759.00	20,972.00	12,686.32	94.60	129.98	86.923	-555.60	-1,084.94	6,018.81	5,917.14	101.67	59.199		
18,400.00	12,759.00	20,972.00	12,686.32	96.00	129.98	86.923	-555.60	-1,084.94	6,116.29	6,014.76	101.53	60.244		
18,500.00	12,759.00	20,972.00	12,686.32	97.40	129.98	86.923	-555.60	-1,084.94	6,213.85	6,112.46	101.39	61.287		
18,600.00	12,759.00	20,972.00	12,686.32	98.81	129.98	86.923	-555.60	-1,084.94	6,311.48	6,210.22	101.26	62.327		
18,700.00	12,759.00	20,972.00	12,686.32	100.21	129.98	86.923	-555.60	-1,084.94	6,409.19	6,308.04	101.15	63.366		
18,800.00	12,759.00	20,972.00	12,686.32	101.62	129.98	86.923	-555.60	-1,084.94	6,506.96	6,405.93	101.04	64.402		
18,900.00	12,759.00	20,972.00	12,686.32	103.02	129.98	86.923	-555.60	-1,084.94	6,604.81	6,503.87	100.94	65.435		
19,000.00	12,759.00	20,972.00	12,686.32	104.43	129.98	86.923	-555.60	-1,084.94	6,702.71	6,601.87	100.84	66.467		
19,100.00	12,759.00	20,972.00	12,686.32	105.84	129.98	86.923	-555.60	-1,084.94	6,800.68	6,699.92	100.76	67.495		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 422H - OH / 68635 - Surveys (H&P 625)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 154-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
19,200.00	12,759.00	20,972.00	12,686.32	107.24	129.98	86.923	-555.60	-1,084.94	6,898.71	6,798.03	100.68	68.521	
19,300.00	12,759.00	20,972.00	12,686.32	108.65	129.98	86.923	-555.60	-1,084.94	6,996.79	6,896.18	100.61	69.545	
19,400.00	12,759.00	20,972.00	12,686.32	110.06	129.98	86.923	-555.60	-1,084.94	7,094.92	6,994.38	100.54	70.566	
19,500.00	12,759.00	20,972.00	12,686.32	111.47	129.98	86.923	-555.60	-1,084.94	7,193.11	7,092.63	100.48	71.585	
19,600.00	12,759.00	20,972.00	12,686.32	112.89	129.98	86.923	-555.60	-1,084.94	7,291.35	7,190.92	100.43	72.601	
19,700.00	12,759.00	20,972.00	12,686.32	114.30	129.98	86.923	-555.60	-1,084.94	7,389.63	7,289.25	100.38	73.614	
19,800.00	12,759.00	20,972.00	12,686.32	115.71	129.98	86.923	-555.60	-1,084.94	7,487.96	7,387.62	100.34	74.624	
19,900.00	12,759.00	20,972.00	12,686.32	117.12	129.98	86.923	-555.60	-1,084.94	7,586.33	7,486.02	100.31	75.632	
20,000.00	12,759.00	20,972.00	12,686.32	118.54	129.98	86.923	-555.60	-1,084.94	7,684.75	7,584.47	100.27	76.637	
20,100.00	12,759.00	20,972.00	12,686.32	119.95	129.98	86.923	-555.60	-1,084.94	7,783.20	7,682.95	100.25	77.639	
20,200.00	12,759.00	20,972.00	12,686.32	121.37	129.98	86.923	-555.60	-1,084.94	7,881.69	7,781.47	100.23	78.639	
20,300.00	12,759.00	20,972.00	12,686.32	122.78	129.98	86.923	-555.60	-1,084.94	7,980.23	7,880.02	100.21	79.635	
20,400.00	12,759.00	20,972.00	12,686.32	124.20	129.98	86.923	-555.60	-1,084.94	8,078.79	7,978.60	100.20	80.629	
20,500.00	12,759.00	20,972.00	12,686.32	125.61	129.98	86.923	-555.60	-1,084.94	8,177.39	8,077.21	100.19	81.620	
20,600.00	12,759.00	20,972.00	12,686.32	127.03	129.98	86.923	-555.60	-1,084.94	8,276.03	8,175.85	100.18	82.608	
20,700.00	12,759.00	20,972.00	12,686.32	128.45	129.98	86.923	-555.60	-1,084.94	8,374.70	8,274.51	100.18	83.593	
20,800.00	12,759.00	20,972.00	12,686.32	129.87	129.98	86.923	-555.60	-1,084.94	8,473.40	8,373.21	100.19	84.576	
20,900.00	12,759.00	20,972.00	12,686.32	131.29	129.98	86.923	-555.60	-1,084.94	8,572.13	8,471.93	100.19	85.555	
21,000.00	12,759.00	20,972.00	12,686.32	132.70	129.98	86.923	-555.60	-1,084.94	8,670.89	8,570.68	100.20	86.531	
21,100.00	12,759.00	20,972.00	12,686.32	134.12	129.98	86.923	-555.60	-1,084.94	8,769.67	8,669.45	100.22	87.505	
21,200.00	12,759.00	20,972.00	12,686.32	135.54	129.98	86.923	-555.60	-1,084.94	8,868.49	8,768.25	100.24	88.476	
21,300.00	12,759.00	20,972.00	12,686.32	136.96	129.98	86.923	-555.60	-1,084.94	8,967.33	8,867.07	100.26	89.443	
21,400.00	12,759.00	20,972.00	12,686.32	138.38	129.98	86.923	-555.60	-1,084.94	9,066.19	8,965.91	100.28	90.408	
21,500.00	12,759.00	20,972.00	12,686.32	139.80	129.98	86.923	-555.60	-1,084.94	9,165.08	9,064.77	100.31	91.369	
21,600.00	12,759.00	20,972.00	12,686.32	141.22	129.98	86.923	-555.60	-1,084.94	9,264.00	9,163.66	100.34	92.328	
21,700.00	12,759.00	20,972.00	12,686.32	142.65	129.98	86.923	-555.60	-1,084.94	9,362.93	9,262.56	100.37	93.284	
21,800.00	12,759.00	20,972.00	12,686.32	144.07	129.98	86.923	-555.60	-1,084.94	9,461.89	9,361.49	100.41	94.236	
21,900.00	12,759.00	20,972.00	12,686.32	145.49	129.98	86.923	-555.60	-1,084.94	9,560.87	9,460.43	100.44	95.186	
22,000.00	12,759.00	20,972.00	12,686.32	146.91	129.98	86.923	-555.60	-1,084.94	9,659.88	9,559.39	100.49	96.133	
22,100.00	12,759.00	20,972.00	12,686.32	148.33	129.98	86.923	-555.60	-1,084.94	9,758.90	9,658.37	100.53	97.076	
22,125.24	12,759.00	20,972.00	12,686.32	148.69	129.98	86.923	-555.60	-1,084.94	9,783.90	9,683.36	100.54	97.314	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 432H - OH / 68636 - Surveys (H&P 625)													Offset Site Error: 0.00 usft	
Survey Program: 154-MWD+HDGM				Rule Assigned:					Offset Well Error: 1.00 usft					
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	61.80	7.80	1.00	1.00	-10.429	7,889.44	-1,452.10	8,021.96					
100.00	100.00	173.36	119.36	1.08	1.04	-10.429	7,889.23	-1,452.09	8,021.78	8,019.65	2.13	3,770.341		
200.00	200.00	273.01	219.01	1.60	1.20	-10.429	7,888.99	-1,452.09	8,021.54	8,018.74	2.79	2,870.897		
300.00	300.00	378.99	324.99	2.01	1.44	-10.430	7,888.69	-1,452.17	8,021.27	8,017.83	3.45	2,326.363		
400.00	400.00	487.70	433.70	2.35	1.74	-10.433	7,888.23	-1,452.48	8,020.91	8,016.82	4.09	1,960.602		
500.00	500.00	574.37	520.37	2.65	2.00	-10.435	7,887.90	-1,452.69	8,020.58	8,015.93	4.65	1,725.257		
600.00	600.00	663.00	609.00	2.93	2.27	-10.435	7,887.74	-1,452.66	8,020.40	8,015.20	5.20	1,543.472		
681.64	681.64	735.64	681.64	3.13	2.50	-10.434	7,887.73	-1,452.54	8,020.36	8,014.73	5.63	1,425.158		
700.00	700.00	752.27	698.26	3.18	2.55	-10.434	7,887.74	-1,452.51	8,020.36	8,014.64	5.73	1,400.586		
800.00	800.00	845.00	791.00	3.41	2.84	-10.433	7,887.85	-1,452.34	8,020.44	8,014.19	6.26	1,281.865		
900.00	900.00	958.78	904.78	3.64	3.22	-10.431	7,887.93	-1,452.13	8,020.49	8,013.63	6.85	1,170.361		
1,000.00	1,000.00	1,057.56	1,003.55	3.85	3.55	-10.430	7,887.85	-1,451.95	8,020.37	8,012.98	7.39	1,084.867		
1,014.89	1,014.89	1,068.90	1,014.89	3.88	3.59	-10.430	7,887.85	-1,451.93	8,020.37	8,012.91	7.46	1,074.980		
1,100.00	1,100.00	1,133.70	1,079.69	4.05	3.80	-10.428	7,887.97	-1,451.76	8,020.48	8,012.63	7.85	1,021.660		
1,200.00	1,200.00	1,313.54	1,259.53	4.24	4.41	-10.426	7,887.28	-1,451.25	8,019.90	8,011.25	8.65	926.859		
1,300.00	1,300.00	1,370.74	1,316.73	4.43	4.61	-10.427	7,886.99	-1,451.31	8,019.43	8,010.39	9.03	887.813		
1,339.08	1,339.08	1,393.09	1,339.08	4.50	4.68	-10.427	7,886.95	-1,451.38	8,019.39	8,010.21	9.18	873.671		
1,400.00	1,400.00	1,461.00	1,406.99	4.61	4.91	-10.430	7,887.10	-1,451.77	8,019.60	8,010.08	9.52	842.462		
1,406.99	1,406.99	1,461.00	1,406.99	4.62	4.91	-10.430	7,887.10	-1,451.77	8,019.60	8,010.07	9.53	841.382		
1,500.00	1,500.00	1,461.00	1,406.99	4.78	4.91	-10.430	7,887.10	-1,451.77	8,020.14	8,010.45	9.69	827.356		
1,600.00	1,599.98	1,529.13	1,475.11	4.98	5.14	-167.816	7,887.71	-1,452.58	8,023.02	8,012.91	10.11	793.444		
1,699.91	1,699.74	1,576.86	1,522.83	5.60	5.30	-167.796	7,888.46	-1,453.47	8,030.01	8,019.14	10.87	738.758		
1,800.00	1,799.59	1,649.00	1,594.92	5.91	5.54	-167.815	7,890.09	-1,455.34	8,039.43	8,028.02	11.41	704.395		
1,900.00	1,899.35	1,693.47	1,639.36	6.08	5.69	-167.828	7,891.28	-1,456.74	8,049.27	8,037.53	11.73	686.180		
2,000.00	1,999.11	1,784.89	1,730.68	6.27	6.01	-167.857	7,893.71	-1,460.05	8,059.35	8,047.13	12.23	659.204		
2,100.00	2,098.86	1,876.42	1,822.10	6.47	6.32	-167.890	7,896.15	-1,463.86	8,069.54	8,056.80	12.74	633.485		
2,200.00	2,198.62	1,968.18	1,913.75	6.68	6.64	-167.924	7,898.67	-1,467.76	8,079.82	8,066.56	13.27	609.010		
2,300.00	2,298.38	2,063.75	2,009.19	6.91	6.97	-167.959	7,901.38	-1,471.78	8,090.19	8,076.37	13.82	585.266		
2,400.00	2,398.13	2,165.83	2,111.14	7.15	7.33	-167.994	7,904.29	-1,475.94	8,100.56	8,086.15	14.41	561.956		
2,500.00	2,497.89	2,253.96	2,199.17	7.41	7.63	-168.024	7,906.83	-1,479.40	8,110.94	8,095.97	14.97	541.877		
2,600.00	2,597.65	2,329.06	2,274.18	7.67	7.90	-168.050	7,909.20	-1,482.38	8,121.58	8,106.10	15.48	524.484		
2,700.00	2,697.40	2,403.00	2,348.01	7.94	8.16	-168.074	7,911.74	-1,485.35	8,132.52	8,116.52	16.01	508.109		
2,800.00	2,797.16	2,484.96	2,429.85	8.21	8.45	-168.101	7,914.79	-1,488.57	8,143.73	8,127.16	16.56	491.680		
2,900.00	2,896.92	2,565.68	2,510.45	8.50	8.73	-168.126	7,918.02	-1,491.56	8,155.16	8,138.03	17.12	476.273		
3,000.00	2,996.67	2,650.41	2,595.05	8.79	9.03	-168.152	7,921.60	-1,494.70	8,166.80	8,149.09	17.70	461.294		
3,100.00	3,096.43	2,736.90	2,681.38	9.08	9.34	-168.182	7,925.27	-1,498.48	8,178.60	8,160.30	18.30	446.974		
3,200.00	3,196.19	2,833.10	2,777.37	9.38	9.68	-168.219	7,929.37	-1,503.22	8,190.53	8,171.60	18.93	432.614		
3,300.00	3,295.94	2,939.09	2,883.15	9.69	10.06	-168.256	7,933.92	-1,508.00	8,202.41	8,182.80	19.61	418.301		
3,400.00	3,395.70	3,130.08	3,073.85	10.00	10.74	-168.316	7,941.36	-1,515.33	8,213.84	8,193.24	20.60	398.690		
3,500.00	3,495.46	3,303.58	3,247.18	10.31	11.36	-168.368	7,946.27	-1,521.39	8,224.09	8,202.55	21.53	381.898		
3,600.00	3,595.21	3,422.07	3,365.56	10.63	11.79	-168.406	7,948.84	-1,525.78	8,233.74	8,211.47	22.27	369.718		
3,700.00	3,694.97	3,524.07	3,467.45	10.95	12.15	-168.443	7,950.88	-1,530.09	8,243.34	8,220.39	22.95	359.199		
3,800.00	3,794.73	3,634.56	3,577.80	11.27	12.55	-168.486	7,952.90	-1,535.22	8,252.86	8,229.20	23.66	348.761		
3,900.00	3,894.48	3,752.09	3,695.18	11.60	12.97	-168.534	7,954.83	-1,540.91	8,262.23	8,237.83	24.41	338.531		
4,000.00	3,994.24	3,893.55	3,836.55	11.93	13.48	-168.576	7,957.02	-1,545.56	8,271.22	8,245.98	25.24	327.730		
4,100.00	4,094.00	4,013.26	3,956.22	12.26	13.90	-168.599	7,958.79	-1,547.53	8,279.82	8,253.83	25.99	318.578		
4,200.00	4,193.75	4,125.42	4,068.36	12.59	14.30	-168.617	7,960.30	-1,548.95	8,288.22	8,261.50	26.72	310.231		
4,300.00	4,293.51	4,224.50	4,167.43	12.93	14.65	-168.633	7,961.59	-1,550.19	8,296.57	8,269.17	27.40	302.826		
4,400.00	4,393.27	4,316.46	4,259.37	13.26	14.98	-168.649	7,962.78	-1,551.41	8,304.94	8,276.89	28.05	296.049		
4,500.00	4,493.02	4,395.71	4,338.61	13.60	15.26	-168.658	7,964.10	-1,551.85	8,313.51	8,284.85	28.66	290.066		
4,600.00	4,592.78	4,477.00	4,419.88	13.94	15.54	-168.660	7,965.82	-1,551.47	8,322.32	8,293.04	29.28	284.256		
4,700.00	4,692.54	20,305.00	12,714.60	14.28	119.18	137.200	206.67	-1,713.40	8,230.78	8,154.00	76.78	107.195		

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 432H - OH / 68636 - Surveys (H&P 625)													Offset Site Error:	0.00 usft
Survey Program:		154-MWD+HDCM					Rule Assigned:				Offset Well Error:	1.00 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,800.00	4,792.29	20,305.00	12,714.60	14.62	119.18	137.200	206.67	-1,713.40	8,134.51	8,057.46	77.05	105.578		
4,900.00	4,892.05	20,305.00	12,714.60	14.97	119.18	137.200	206.67	-1,713.40	8,038.32	7,961.00	77.32	103.965		
5,000.00	4,991.81	20,305.00	12,714.60	15.31	119.18	137.200	206.67	-1,713.40	7,942.22	7,864.63	77.59	102.356		
5,100.00	5,091.56	20,305.00	12,714.60	15.66	119.18	137.200	206.67	-1,713.40	7,846.22	7,768.35	77.88	100.751		
5,200.00	5,191.32	20,305.00	12,714.60	16.00	119.18	137.200	206.67	-1,713.40	7,750.33	7,672.16	78.17	99.151		
5,300.00	5,291.08	20,305.00	12,714.60	16.35	119.18	137.200	206.67	-1,713.40	7,654.54	7,576.07	78.46	97.555		
5,400.00	5,390.83	21,094.00	12,727.58	16.70	129.79	116.501	-581.00	-1,684.86	7,558.66	7,473.95	84.72	89.224		
5,500.00	5,490.59	21,094.00	12,727.58	17.05	129.79	116.501	-581.00	-1,684.86	7,462.23	7,377.21	85.02	87.768		
5,600.00	5,590.35	21,094.00	12,727.58	17.40	129.79	116.501	-581.00	-1,684.86	7,365.89	7,280.55	85.34	86.316		
5,700.00	5,690.10	21,094.00	12,727.58	17.75	129.79	116.501	-581.00	-1,684.86	7,269.65	7,183.99	85.66	84.869		
5,800.00	5,789.86	21,094.00	12,727.58	18.10	129.79	116.501	-581.00	-1,684.86	7,173.51	7,087.52	85.99	83.425		
5,900.00	5,889.62	21,094.00	12,727.58	18.46	129.79	116.501	-581.00	-1,684.86	7,077.48	6,991.16	86.32	81.987		
6,000.00	5,989.37	21,094.00	12,727.58	18.81	129.79	116.501	-581.00	-1,684.86	6,981.56	6,894.89	86.67	80.553		
6,100.00	6,089.13	21,094.00	12,727.58	19.16	129.79	116.501	-581.00	-1,684.86	6,885.76	6,798.73	87.03	79.124		
6,200.00	6,188.89	21,094.00	12,727.58	19.52	129.79	116.501	-581.00	-1,684.86	6,790.08	6,702.69	87.39	77.699		
6,300.00	6,288.64	21,094.00	12,727.58	19.87	129.79	116.501	-581.00	-1,684.86	6,694.52	6,606.76	87.76	76.280		
6,400.00	6,388.40	21,094.00	12,727.58	20.22	129.79	116.501	-581.00	-1,684.86	6,599.10	6,510.95	88.15	74.866		
6,500.00	6,488.16	21,094.00	12,727.58	20.58	129.79	116.501	-581.00	-1,684.86	6,503.81	6,415.27	88.54	73.458		
6,600.00	6,587.91	21,094.00	12,727.58	20.94	129.79	116.501	-581.00	-1,684.86	6,408.67	6,319.73	88.94	72.055		
6,700.00	6,687.67	21,094.00	12,727.58	21.29	129.79	116.501	-581.00	-1,684.86	6,313.67	6,224.32	89.36	70.658		
6,800.00	6,787.43	21,094.00	12,727.58	21.65	129.79	116.501	-581.00	-1,684.86	6,218.84	6,129.06	89.78	69.267		
6,900.00	6,887.18	21,094.00	12,727.58	22.01	129.79	116.501	-581.00	-1,684.86	6,124.17	6,033.95	90.22	67.882		
7,000.00	6,986.94	21,094.00	12,727.58	22.36	129.79	116.501	-581.00	-1,684.86	6,029.67	5,939.00	90.67	66.503		
7,100.00	7,086.70	21,094.00	12,727.58	22.72	129.79	116.501	-581.00	-1,684.86	5,935.35	5,844.22	91.13	65.130		
7,200.00	7,186.45	21,094.00	12,727.58	23.08	129.79	116.501	-581.00	-1,684.86	5,841.22	5,749.61	91.61	63.764		
7,300.00	7,286.21	21,094.00	12,727.58	23.44	129.79	116.501	-581.00	-1,684.86	5,747.29	5,655.19	92.10	62.405		
7,400.00	7,385.97	21,094.00	12,727.58	23.80	129.79	116.501	-581.00	-1,684.86	5,653.56	5,560.96	92.60	61.053		
7,500.00	7,485.72	21,094.00	12,727.58	24.16	129.79	116.501	-581.00	-1,684.86	5,560.06	5,466.94	93.12	59.709		
7,600.00	7,585.48	21,094.00	12,727.58	24.52	129.79	116.501	-581.00	-1,684.86	5,466.78	5,373.13	93.66	58.371		
7,700.00	7,685.24	21,094.00	12,727.58	24.88	129.79	116.501	-581.00	-1,684.86	5,373.75	5,279.54	94.21	57.042		
7,800.00	7,784.99	21,094.00	12,727.58	25.24	129.79	116.501	-581.00	-1,684.86	5,280.97	5,186.19	94.78	55.720		
7,900.00	7,884.75	21,094.00	12,727.58	25.60	129.79	116.501	-581.00	-1,684.86	5,188.46	5,093.09	95.37	54.406		
8,000.00	7,984.51	21,094.00	12,727.58	25.96	129.79	116.501	-581.00	-1,684.86	5,096.23	5,000.26	95.97	53.101		
8,100.00	8,084.26	21,094.00	12,727.58	26.32	129.79	116.501	-581.00	-1,684.86	5,004.30	4,907.70	96.60	51.804		
8,200.00	8,184.02	21,094.00	12,727.58	26.68	129.79	116.501	-581.00	-1,684.86	4,912.69	4,815.44	97.25	50.516		
8,300.00	8,283.78	21,094.00	12,727.58	27.04	129.79	116.501	-581.00	-1,684.86	4,821.41	4,723.49	97.92	49.238		
8,400.00	8,383.53	21,094.00	12,727.58	27.40	129.79	116.501	-581.00	-1,684.86	4,730.48	4,631.86	98.62	47.969		
8,500.00	8,483.29	21,094.00	12,727.58	27.76	129.79	116.501	-581.00	-1,684.86	4,639.92	4,540.59	99.33	46.710		
8,600.00	8,583.05	21,094.00	12,727.58	28.12	129.79	116.501	-581.00	-1,684.86	4,549.77	4,449.69	100.08	45.462		
8,700.00	8,682.80	21,094.00	12,727.58	28.48	129.79	116.501	-581.00	-1,684.86	4,460.03	4,359.17	100.85	44.224		
8,800.00	8,782.56	21,094.00	12,727.58	28.85	129.79	116.501	-581.00	-1,684.86	4,370.73	4,269.08	101.65	42.997		
8,900.00	8,882.32	21,094.00	12,727.58	29.21	129.79	116.501	-581.00	-1,684.86	4,281.91	4,179.43	102.48	41.781		
9,000.00	8,982.07	21,094.00	12,727.58	29.57	129.79	116.501	-581.00	-1,684.86	4,193.60	4,090.25	103.35	40.578		
9,100.00	9,081.83	21,094.00	12,727.58	29.93	129.79	116.501	-581.00	-1,684.86	4,105.81	4,001.57	104.24	39.387		
9,200.00	9,181.59	21,094.00	12,727.58	30.30	129.79	116.501	-581.00	-1,684.86	4,018.60	3,913.43	105.18	38.209		
9,300.00	9,281.34	21,094.00	12,727.58	30.66	129.79	116.501	-581.00	-1,684.86	3,932.00	3,825.86	106.14	37.044		
9,400.00	9,381.10	21,094.00	12,727.58	31.02	129.79	116.501	-581.00	-1,684.86	3,846.05	3,738.90	107.15	35.894		
9,500.00	9,480.86	21,094.00	12,727.58	31.39	129.79	116.501	-581.00	-1,684.86	3,760.80	3,652.60	108.20	34.758		
9,600.00	9,580.61	21,094.00	12,727.58	31.75	129.79	116.501	-581.00	-1,684.86	3,676.28	3,566.99	109.29	33.638		
9,700.00	9,680.37	21,094.00	12,727.58	32.11	129.79	116.501	-581.00	-1,684.86	3,592.56	3,482.14	110.42	32.534		
9,800.00	9,780.13	21,094.00	12,727.58	32.48	129.79	116.501	-581.00	-1,684.86	3,509.70	3,398.09	111.60	31.448		
9,900.00	9,879.88	21,094.00	12,727.58	32.84	129.79	116.501	-581.00	-1,684.86	3,427.75	3,314.91	112.83	30.379		

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 432H - OH / 68636 - Surveys (H&P 625)													Offset Site Error: 0.00 usft	
Survey Program:		154-MWD+HDCM					Rule Assigned:				Offset Well Error: 1.00 usft			
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,000.00	9,979.64	21,094.00	12,727.58	33.20	129.79	116.501	-581.00	-1,684.86	3,346.78	3,232.67	114.11	29.329		
10,100.00	10,079.39	21,094.00	12,727.58	33.57	129.79	116.501	-581.00	-1,684.86	3,266.86	3,151.42	115.44	28.298		
10,200.00	10,179.15	21,094.00	12,727.58	33.93	129.79	116.501	-581.00	-1,684.86	3,188.08	3,071.25	116.83	27.289		
10,300.00	10,278.91	21,094.00	12,727.58	34.29	129.79	116.501	-581.00	-1,684.86	3,110.52	2,992.25	118.27	26.301		
10,400.00	10,378.66	21,094.00	12,727.58	34.66	129.79	116.501	-581.00	-1,684.86	3,034.27	2,914.51	119.76	25.337		
10,500.00	10,478.42	21,094.00	12,727.58	35.02	129.79	116.501	-581.00	-1,684.86	2,959.44	2,838.13	121.31	24.396		
10,600.00	10,578.18	21,094.00	12,727.58	35.39	129.79	116.501	-581.00	-1,684.86	2,886.13	2,763.22	122.91	23.481		
10,700.00	10,677.93	21,094.00	12,727.58	35.75	129.79	116.501	-581.00	-1,684.86	2,814.46	2,689.89	124.57	22.593		
10,800.00	10,777.69	21,094.00	12,727.58	36.12	129.79	116.501	-581.00	-1,684.86	2,744.57	2,618.29	126.28	21.733		
10,900.00	10,877.45	21,094.00	12,727.58	36.48	129.79	116.501	-581.00	-1,684.86	2,676.59	2,548.54	128.05	20.903		
11,000.00	10,977.20	21,094.00	12,727.58	36.85	129.79	116.501	-581.00	-1,684.86	2,610.67	2,480.81	129.86	20.104		
11,100.00	11,076.96	21,094.00	12,727.58	37.21	129.79	116.501	-581.00	-1,684.86	2,546.97	2,415.27	131.71	19.338		
11,200.00	11,176.72	21,094.00	12,727.58	37.57	129.79	116.501	-581.00	-1,684.86	2,485.67	2,352.08	133.59	18.607		
11,300.00	11,276.47	21,094.00	12,727.58	37.94	129.79	116.501	-581.00	-1,684.86	2,426.93	2,291.43	135.50	17.911		
11,400.00	11,376.23	21,094.00	12,727.58	38.30	129.79	116.501	-581.00	-1,684.86	2,370.97	2,233.54	137.42	17.253		
11,500.00	11,475.99	21,094.00	12,727.58	38.67	129.79	116.501	-581.00	-1,684.86	2,317.96	2,178.61	139.35	16.634		
11,510.34	11,486.30	21,094.00	12,727.58	38.71	129.79	116.501	-581.00	-1,684.86	2,312.66	2,173.12	139.54	16.573		
11,600.00	11,575.83	21,094.00	12,727.58	39.02	129.79	115.564	-581.00	-1,684.86	2,267.59	2,126.36	141.23	16.056		
11,700.00	11,675.80	21,094.00	12,727.58	39.33	129.79	114.564	-581.00	-1,684.86	2,219.25	2,076.22	143.03	15.516		
11,710.24	11,686.04	21,094.00	12,727.58	39.34	129.79	-88.143	-581.00	-1,684.86	2,214.42	2,071.22	143.20	15.464		
11,800.00	11,775.80	21,094.00	12,727.58	39.34	129.79	-88.143	-581.00	-1,684.86	2,173.65	2,029.01	144.64	15.028		
11,900.00	11,875.80	21,094.00	12,727.58	39.35	129.79	-88.143	-581.00	-1,684.86	2,131.76	1,985.59	146.16	14.585		
12,000.00	11,975.80	21,094.00	12,727.58	39.35	129.79	-88.143	-581.00	-1,684.86	2,093.81	1,946.22	147.59	14.187		
12,100.00	12,075.80	21,094.00	12,727.58	39.36	129.79	-88.143	-581.00	-1,684.86	2,060.02	1,911.13	148.89	13.836		
12,200.00	12,175.80	21,094.00	12,727.58	39.36	129.79	-88.143	-581.00	-1,684.86	2,030.59	1,880.55	150.04	13.533		
12,210.24	12,186.04	21,094.00	12,727.58	39.36	129.79	-88.143	-581.00	-1,684.86	2,027.83	1,877.68	150.15	13.505		
12,250.00	12,225.77	21,094.00	12,727.58	39.43	129.79	93.462	-581.00	-1,684.86	2,017.65	1,867.06	150.58	13.399		
12,300.00	12,275.43	21,094.00	12,727.58	39.69	129.79	94.644	-581.00	-1,684.86	2,006.11	1,854.96	151.15	13.272		
12,350.00	12,324.42	21,094.00	12,727.58	39.98	129.79	95.661	-581.00	-1,684.86	1,996.11	1,844.37	151.74	13.155		
12,400.00	12,372.35	21,094.00	12,727.58	40.29	129.79	96.505	-581.00	-1,684.86	1,987.74	1,835.40	152.34	13.048		
12,450.00	12,418.86	21,094.00	12,727.58	40.60	129.79	97.171	-581.00	-1,684.86	1,981.09	1,828.14	152.95	12.952		
12,500.00	12,463.61	21,094.00	12,727.58	40.91	129.79	97.656	-581.00	-1,684.86	1,976.22	1,822.66	153.56	12.870		
12,550.00	12,506.24	21,094.00	12,727.58	41.22	129.79	97.958	-581.00	-1,684.86	1,973.19	1,819.03	154.16	12.800		
12,600.00	12,546.43	21,094.00	12,727.58	41.50	129.79	98.073	-581.00	-1,684.86	1,972.02	1,817.29	154.74	12.744		
12,606.03	12,551.10	21,094.00	12,727.58	41.54	129.79	98.074	-581.00	-1,684.86	1,972.01	1,817.20	154.81	12.738 CC, ES		
12,650.00	12,583.88	21,094.00	12,727.58	41.78	129.79	98.002	-581.00	-1,684.86	1,972.74	1,817.44	155.30	12.703		
12,700.00	12,618.30	21,094.00	12,727.58	42.03	129.79	97.746	-581.00	-1,684.86	1,975.32	1,819.50	155.82	12.677		
12,750.00	12,649.43	21,094.00	12,727.58	42.27	129.79	97.305	-581.00	-1,684.86	1,979.75	1,823.44	156.31	12.665 SF		
12,800.00	12,677.04	21,094.00	12,727.58	42.47	129.79	96.682	-581.00	-1,684.86	1,985.98	1,829.22	156.75	12.670		
12,850.00	12,700.91	21,094.00	12,727.58	42.66	129.79	95.881	-581.00	-1,684.86	1,993.94	1,836.80	157.14	12.689		
12,900.00	12,720.86	21,094.00	12,727.58	42.81	129.79	94.905	-581.00	-1,684.86	2,003.55	1,846.08	157.47	12.723		
12,950.00	12,736.74	21,094.00	12,727.58	42.94	129.79	93.762	-581.00	-1,684.86	2,014.73	1,856.99	157.74	12.773		
13,000.00	12,748.43	21,094.00	12,727.58	43.04	129.79	92.459	-581.00	-1,684.86	2,027.35	1,869.40	157.94	12.836		
13,050.00	12,755.84	21,094.00	12,727.58	43.11	129.79	91.008	-581.00	-1,684.86	2,041.29	1,883.21	158.08	12.913		
13,100.00	12,758.91	21,094.00	12,727.58	43.15	129.79	89.419	-581.00	-1,684.86	2,056.43	1,898.28	158.15	13.003		
13,110.24	12,759.00	21,094.00	12,727.58	43.16	129.79	89.078	-581.00	-1,684.86	2,059.67	1,901.51	158.16	13.023		
13,200.00	12,759.00	21,094.00	12,727.58	43.21	129.79	89.078	-581.00	-1,684.86	2,089.95	1,931.85	158.10	13.219		
13,300.00	12,759.00	21,094.00	12,727.58	43.28	129.79	89.078	-581.00	-1,684.86	2,127.64	1,969.82	157.82	13.482		
13,400.00	12,759.00	21,094.00	12,727.58	43.36	129.79	89.078	-581.00	-1,684.86	2,169.29	2,011.97	157.32	13.789		
13,500.00	12,759.00	21,094.00	12,727.58	43.45	129.79	89.078	-581.00	-1,684.86	2,214.68	2,058.03	156.64	14.138		
13,600.00	12,759.00	21,094.00	12,727.58	43.56	129.79	89.078	-581.00	-1,684.86	2,263.57	2,107.77	155.80	14.529		
13,700.00	12,759.00	21,094.00	12,727.58	43.70	129.79	89.078	-581.00	-1,684.86	2,315.76	2,160.93	154.83	14.957		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 432H - OH / 68636 - Surveys (H&P 625)													Offset Site Error:	0.00 usft
Survey Program:		154-MWD+HDCM <th colspan="2">Rule Assigned:</th> <th colspan="4"></th> <th>Offset Well Error:</th> <td>1.00 usft</td>					Rule Assigned:						Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
13,800.00	12,759.00	21,094.00	12,727.58	43.86	129.79	89.078	-581.00	-1,684.86	2,371.01	2,217.27	153.75	15.422		
13,900.00	12,759.00	21,094.00	12,727.58	44.05	129.79	89.078	-581.00	-1,684.86	2,429.13	2,276.55	152.58	15.921		
14,000.00	12,759.00	21,094.00	12,727.58	44.28	129.79	89.078	-581.00	-1,684.86	2,489.91	2,338.56	151.34	16.452		
14,100.00	12,759.00	21,094.00	12,727.58	44.57	129.79	89.078	-581.00	-1,684.86	2,553.16	2,403.09	150.06	17.014		
14,200.00	12,759.00	21,094.00	12,727.58	44.91	129.79	89.078	-581.00	-1,684.86	2,618.70	2,469.95	148.75	17.605		
14,300.00	12,759.00	21,094.00	12,727.58	45.32	129.79	89.078	-581.00	-1,684.86	2,686.36	2,538.94	147.42	18.222		
14,400.00	12,759.00	21,094.00	12,727.58	45.81	129.79	89.078	-581.00	-1,684.86	2,756.00	2,609.91	146.09	18.866		
14,500.00	12,759.00	21,094.00	12,727.58	46.40	129.79	89.078	-581.00	-1,684.86	2,827.45	2,682.70	144.75	19.533		
14,600.00	12,759.00	21,094.00	12,727.58	47.09	129.79	89.078	-581.00	-1,684.86	2,900.60	2,757.16	143.44	20.222		
14,700.00	12,759.00	21,094.00	12,727.58	47.88	129.79	89.078	-581.00	-1,684.86	2,975.30	2,833.17	142.13	20.933		
14,800.00	12,759.00	21,094.00	12,727.58	48.76	129.79	89.078	-581.00	-1,684.86	3,051.46	2,910.60	140.86	21.663		
14,900.00	12,759.00	21,094.00	12,727.58	49.72	129.79	89.078	-581.00	-1,684.86	3,128.96	2,989.35	139.61	22.412		
15,000.00	12,759.00	21,094.00	12,727.58	50.75	129.79	89.078	-581.00	-1,684.86	3,207.70	3,069.31	138.39	23.179		
15,100.00	12,759.00	21,094.00	12,727.58	51.84	129.79	89.078	-581.00	-1,684.86	3,287.60	3,150.39	137.21	23.961		
15,200.00	12,759.00	21,094.00	12,727.58	52.98	129.79	89.078	-581.00	-1,684.86	3,368.57	3,232.51	136.06	24.759		
15,300.00	12,759.00	21,094.00	12,727.58	54.15	129.79	89.078	-581.00	-1,684.86	3,450.54	3,315.60	134.94	25.570		
15,400.00	12,759.00	21,094.00	12,727.58	55.36	129.79	89.078	-581.00	-1,684.86	3,533.44	3,399.57	133.87	26.395		
15,500.00	12,759.00	21,094.00	12,727.58	56.60	129.79	89.078	-581.00	-1,684.86	3,617.21	3,484.38	132.83	27.232		
15,600.00	12,759.00	21,094.00	12,727.58	57.85	129.79	89.078	-581.00	-1,684.86	3,701.78	3,569.95	131.82	28.081		
15,700.00	12,759.00	21,094.00	12,727.58	59.13	129.79	89.078	-581.00	-1,684.86	3,787.10	3,656.24	130.86	28.940		
15,800.00	12,759.00	21,094.00	12,727.58	60.42	129.79	89.078	-581.00	-1,684.86	3,873.12	3,743.20	129.93	29.810		
15,900.00	12,759.00	21,094.00	12,727.58	61.72	129.79	89.078	-581.00	-1,684.86	3,959.81	3,830.77	129.03	30.688		
16,000.00	12,759.00	21,094.00	12,727.58	63.04	129.79	89.078	-581.00	-1,684.86	4,047.10	3,918.93	128.17	31.575		
16,100.00	12,759.00	21,094.00	12,727.58	64.36	129.79	89.078	-581.00	-1,684.86	4,134.97	4,007.63	127.35	32.470		
16,200.00	12,759.00	21,094.00	12,727.58	65.69	129.79	89.078	-581.00	-1,684.86	4,223.38	4,096.83	126.55	33.373		
16,300.00	12,759.00	21,094.00	12,727.58	67.03	129.79	89.078	-581.00	-1,684.86	4,312.30	4,186.51	125.79	34.282		
16,400.00	12,759.00	21,094.00	12,727.58	68.37	129.79	89.078	-581.00	-1,684.86	4,401.69	4,276.64	125.06	35.197		
16,500.00	12,759.00	21,094.00	12,727.58	69.73	129.79	89.078	-581.00	-1,684.86	4,491.53	4,367.18	124.36	36.118		
16,600.00	12,759.00	21,094.00	12,727.58	71.08	129.79	89.078	-581.00	-1,684.86	4,581.79	4,458.11	123.68	37.045		
16,700.00	12,759.00	21,094.00	12,727.58	72.44	129.79	89.078	-581.00	-1,684.86	4,672.45	4,549.42	123.04	37.977		
16,800.00	12,759.00	21,094.00	12,727.58	73.81	129.79	89.078	-581.00	-1,684.86	4,763.48	4,641.07	122.42	38.912		
16,900.00	12,759.00	21,094.00	12,727.58	75.18	129.79	89.078	-581.00	-1,684.86	4,854.87	4,733.05	121.82	39.852		
17,000.00	12,759.00	21,094.00	12,727.58	76.55	129.79	89.078	-581.00	-1,684.86	4,946.59	4,825.34	121.25	40.796		
17,100.00	12,759.00	21,094.00	12,727.58	77.92	129.79	89.078	-581.00	-1,684.86	5,038.62	4,917.92	120.70	41.743		
17,200.00	12,759.00	21,094.00	12,727.58	79.30	129.79	89.078	-581.00	-1,684.86	5,130.95	5,010.77	120.18	42.694		
17,300.00	12,759.00	21,094.00	12,727.58	80.68	129.79	89.078	-581.00	-1,684.86	5,223.56	5,103.89	119.68	43.647		
17,400.00	12,759.00	21,094.00	12,727.58	82.07	129.79	89.078	-581.00	-1,684.86	5,316.45	5,197.25	119.20	44.602		
17,500.00	12,759.00	21,094.00	12,727.58	83.45	129.79	89.078	-581.00	-1,684.86	5,409.58	5,290.85	118.74	45.560		
17,600.00	12,759.00	21,094.00	12,727.58	84.84	129.79	89.078	-581.00	-1,684.86	5,502.96	5,384.66	118.29	46.520		
17,700.00	12,759.00	21,094.00	12,727.58	86.23	129.79	89.078	-581.00	-1,684.86	5,596.56	5,478.69	117.87	47.481		
17,800.00	12,759.00	21,094.00	12,727.58	87.62	129.79	89.078	-581.00	-1,684.86	5,690.38	5,572.92	117.46	48.444		
17,900.00	12,759.00	21,094.00	12,727.58	89.01	129.79	89.078	-581.00	-1,684.86	5,784.41	5,667.34	117.07	49.408		
18,000.00	12,759.00	21,094.00	12,727.58	90.41	129.79	89.078	-581.00	-1,684.86	5,878.64	5,761.94	116.70	50.373		
18,100.00	12,759.00	21,094.00	12,727.58	91.80	129.79	89.078	-581.00	-1,684.86	5,973.05	5,856.71	116.34	51.339		
18,200.00	12,759.00	21,094.00	12,727.58	93.20	129.79	89.078	-581.00	-1,684.86	6,067.65	5,951.65	116.00	52.306		
18,300.00	12,759.00	21,094.00	12,727.58	94.60	129.79	89.078	-581.00	-1,684.86	6,162.41	6,046.74	115.68	53.273		
18,400.00	12,759.00	21,094.00	12,727.58	96.00	129.79	89.078	-581.00	-1,684.86	6,257.34	6,141.98	115.36	54.241		
18,500.00	12,759.00	21,094.00	12,727.58	97.40	129.79	89.078	-581.00	-1,684.86	6,352.42	6,237.36	115.06	55.209		
18,600.00	12,759.00	21,094.00	12,727.58	98.81	129.79	89.078	-581.00	-1,684.86	6,447.65	6,332.88	114.77	56.177		
18,700.00	12,759.00	21,094.00	12,727.58	100.21	129.79	89.078	-581.00	-1,684.86	6,543.03	6,428.53	114.50	57.145		
18,800.00	12,759.00	21,094.00	12,727.58	101.62	129.79	89.078	-581.00	-1,684.86	6,638.54	6,524.30	114.24	58.113		
18,900.00	12,759.00	21,094.00	12,727.58	103.02	129.79	89.078	-581.00	-1,684.86	6,734.18	6,620.19	113.98	59.080		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 432H - OH / 68636 - Surveys (H&P 625)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 154-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Semi Major Axis Reference (usft)</b>	<b>Offset (usft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
19,000.00	12,759.00	21,094.00	12,727.58	104.43	129.79	89.078	-581.00	-1,684.86	6,829.94	6,716.20	113.74	60.047	
19,100.00	12,759.00	21,094.00	12,727.58	105.84	129.79	89.078	-581.00	-1,684.86	6,925.83	6,812.31	113.51	61.013	
19,200.00	12,759.00	21,094.00	12,727.58	107.24	129.79	89.078	-581.00	-1,684.86	7,021.83	6,908.53	113.29	61.979	
19,300.00	12,759.00	21,094.00	12,727.58	108.65	129.79	89.078	-581.00	-1,684.86	7,117.94	7,004.85	113.08	62.944	
19,400.00	12,759.00	21,094.00	12,727.58	110.06	129.79	89.078	-581.00	-1,684.86	7,214.15	7,101.27	112.88	63.908	
19,500.00	12,759.00	21,094.00	12,727.58	111.47	129.79	89.078	-581.00	-1,684.86	7,310.47	7,197.78	112.69	64.872	
19,600.00	12,759.00	21,094.00	12,727.58	112.89	129.79	89.078	-581.00	-1,684.86	7,406.88	7,294.37	112.51	65.834	
19,700.00	12,759.00	21,094.00	12,727.58	114.30	129.79	89.078	-581.00	-1,684.86	7,503.39	7,391.06	112.33	66.795	
19,800.00	12,759.00	21,094.00	12,727.58	115.71	129.79	89.078	-581.00	-1,684.86	7,599.99	7,487.82	112.17	67.755	
19,900.00	12,759.00	21,094.00	12,727.58	117.12	129.79	89.078	-581.00	-1,684.86	7,696.68	7,584.67	112.01	68.714	
20,000.00	12,759.00	21,094.00	12,727.58	118.54	129.79	89.078	-581.00	-1,684.86	7,793.45	7,681.59	111.86	69.671	
20,100.00	12,759.00	21,094.00	12,727.58	119.95	129.79	89.078	-581.00	-1,684.86	7,890.30	7,778.58	111.72	70.627	
20,200.00	12,759.00	21,094.00	12,727.58	121.37	129.79	89.078	-581.00	-1,684.86	7,987.22	7,875.64	111.58	71.582	
20,300.00	12,759.00	21,094.00	12,727.58	122.78	129.79	89.078	-581.00	-1,684.86	8,084.23	7,972.77	111.45	72.535	
20,400.00	12,759.00	21,094.00	12,727.58	124.20	129.79	89.078	-581.00	-1,684.86	8,181.30	8,069.97	111.33	73.486	
20,500.00	12,759.00	21,094.00	12,727.58	125.61	129.79	89.078	-581.00	-1,684.86	8,278.44	8,167.23	111.22	74.436	
20,600.00	12,759.00	21,094.00	12,727.58	127.03	129.79	89.078	-581.00	-1,684.86	8,375.66	8,264.55	111.11	75.384	
20,700.00	12,759.00	21,094.00	12,727.58	128.45	129.79	89.078	-581.00	-1,684.86	8,472.93	8,361.93	111.00	76.331	
20,800.00	12,759.00	21,094.00	12,727.58	129.87	129.79	89.078	-581.00	-1,684.86	8,570.27	8,459.37	110.91	77.275	
20,900.00	12,759.00	21,094.00	12,727.58	131.29	129.79	89.078	-581.00	-1,684.86	8,667.67	8,556.86	110.81	78.218	
21,000.00	12,759.00	21,094.00	12,727.58	132.70	129.79	89.078	-581.00	-1,684.86	8,765.13	8,654.40	110.73	79.159	
21,100.00	12,759.00	21,094.00	12,727.58	134.12	129.79	89.078	-581.00	-1,684.86	8,862.64	8,752.00	110.65	80.098	
21,200.00	12,759.00	21,094.00	12,727.58	135.54	129.79	89.078	-581.00	-1,684.86	8,960.21	8,849.64	110.57	81.035	
21,300.00	12,759.00	21,094.00	12,727.58	136.96	129.79	89.078	-581.00	-1,684.86	9,057.84	8,947.34	110.50	81.970	
21,400.00	12,759.00	21,094.00	12,727.58	138.38	129.79	89.078	-581.00	-1,684.86	9,155.51	9,045.07	110.44	82.903	
21,500.00	12,759.00	21,094.00	12,727.58	139.80	129.79	89.078	-581.00	-1,684.86	9,253.23	9,142.86	110.37	83.835	
21,600.00	12,759.00	21,094.00	12,727.58	141.22	129.79	89.078	-581.00	-1,684.86	9,351.01	9,240.69	110.32	84.763	
21,700.00	12,759.00	21,094.00	12,727.58	142.65	129.79	89.078	-581.00	-1,684.86	9,448.82	9,338.56	110.27	85.690	
21,800.00	12,759.00	21,094.00	12,727.58	144.07	129.79	89.078	-581.00	-1,684.86	9,546.69	9,436.47	110.22	86.615	
21,900.00	12,759.00	21,094.00	12,727.58	145.49	129.79	89.078	-581.00	-1,684.86	9,644.60	9,534.42	110.18	87.538	
22,000.00	12,759.00	21,094.00	12,727.58	146.91	129.79	89.078	-581.00	-1,684.86	9,742.55	9,632.41	110.14	88.458	
22,100.00	12,759.00	21,094.00	12,727.58	148.33	129.79	89.078	-581.00	-1,684.86	9,840.54	9,730.43	110.10	89.376	
22,125.24	12,759.00	21,094.00	12,727.58	148.69	129.79	89.078	-581.00	-1,684.86	9,865.28	9,755.18	110.09	89.607	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 433H - OH / 68696 - Surveys (H&P 656)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 188-MWD+HDGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>													
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
				<b>Reference (usft)</b>	<b>Offset (usft)</b>		<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
0.00	0.00	53.08	0.08	1.00	1.00	-0.995	7,906.07	-137.30	7,907.26				
100.00	100.00	153.23	100.23	1.08	1.03	-0.992	7,906.07	-136.87	7,907.26	7,905.15	2.11	3,744.634	
135.00	135.00	188.00	135.00	1.23	1.04	-0.990	7,906.08	-136.63	7,907.26	7,904.99	2.27	3,488.366	
200.00	200.00	240.30	187.30	1.60	1.11	-0.987	7,906.13	-136.22	7,907.31	7,904.60	2.71	2,921.640	
300.00	300.00	320.43	267.42	2.01	1.26	-0.982	7,906.37	-135.55	7,907.60	7,904.33	3.27	2,419.863	
400.00	400.00	413.12	360.11	2.35	1.48	-0.976	7,906.82	-134.67	7,908.07	7,904.24	3.84	2,061.582	
500.00	500.00	509.60	456.59	2.65	1.75	-0.968	7,907.35	-133.60	7,908.60	7,904.19	4.41	1,794.043	
600.00	600.00	589.27	536.24	2.93	2.00	-0.961	7,907.90	-132.61	7,909.26	7,904.34	4.92	1,606.862	
700.00	700.00	666.90	613.86	3.18	2.24	-0.953	7,908.65	-131.58	7,910.21	7,904.79	5.42	1,459.805	
800.00	800.00	699.00	645.96	3.41	2.34	-0.950	7,909.02	-131.13	7,911.61	7,905.85	5.76	1,374.291	
900.00	900.00	793.08	740.02	3.64	2.64	-0.947	7,910.55	-130.82	7,913.25	7,906.97	6.28	1,260.510	
1,000.00	1,000.00	882.00	828.90	3.85	2.93	-0.958	7,912.66	-132.37	7,915.62	7,908.84	6.78	1,168.067	
1,100.00	1,100.00	919.35	866.22	4.05	3.05	-0.966	7,913.72	-133.45	7,918.29	7,911.20	7.10	1,115.529	
1,200.00	1,200.00	994.08	940.88	4.24	3.30	-0.983	7,916.00	-135.89	7,921.41	7,913.87	7.53	1,051.289	
1,300.00	1,300.00	1,072.00	1,018.70	4.43	3.55	-1.004	7,918.63	-138.84	7,924.84	7,916.86	7.98	993.463	
1,400.00	1,400.00	1,455.03	1,401.43	4.61	4.85	-1.080	7,925.30	-149.41	7,926.71	7,917.25	9.46	838.262	
1,427.06	1,427.06	1,480.66	1,427.06	4.65	4.94	-1.079	7,925.30	-149.32	7,926.71	7,917.11	9.59	826.481	
1,500.00	1,500.00	1,549.74	1,496.15	4.78	5.18	-1.078	7,925.32	-149.20	7,926.72	7,916.77	9.95	796.286	
1,600.00	1,599.98	1,647.08	1,593.48	4.98	5.51	-158.464	7,925.39	-149.26	7,928.42	7,917.95	10.47	757.331	
1,699.91	1,699.74	1,748.61	1,695.01	5.60	5.86	-158.442	7,925.46	-149.34	7,933.36	7,921.98	11.38	697.265	
1,800.00	1,799.59	1,853.34	1,799.74	5.91	6.22	-158.463	7,925.50	-149.55	7,939.89	7,927.86	12.03	660.096	
1,900.00	1,899.35	1,960.85	1,907.24	6.08	6.59	-158.494	7,925.41	-150.99	7,946.32	7,933.76	12.57	632.377	
2,000.00	1,999.11	2,035.51	1,981.88	6.27	6.85	-158.520	7,925.37	-152.71	7,952.82	7,939.82	13.00	611.531	
2,100.00	2,098.86	2,099.56	2,045.91	6.47	7.07	-158.544	7,925.62	-154.42	7,959.75	7,946.33	13.42	593.100	
2,200.00	2,198.62	2,177.00	2,123.31	6.68	7.34	-158.575	7,926.30	-156.72	7,967.15	7,953.26	13.90	573.367	
2,300.00	2,298.38	2,280.76	2,227.02	6.91	7.70	-158.615	7,927.32	-159.74	7,974.70	7,960.22	14.48	550.864	
2,400.00	2,398.13	2,366.00	2,312.23	7.15	8.00	-158.646	7,927.92	-161.86	7,981.99	7,966.99	15.00	532.014	
2,500.00	2,497.89	2,439.56	2,385.76	7.41	8.26	-158.673	7,928.63	-163.79	7,989.56	7,974.06	15.50	515.469	
2,600.00	2,597.65	2,493.89	2,440.06	7.67	8.45	-158.696	7,929.50	-165.54	7,997.74	7,981.81	15.94	501.882	
2,700.00	2,697.40	2,555.00	2,501.11	7.94	8.67	-158.723	7,930.85	-167.84	8,006.50	7,990.09	16.40	488.116	
2,800.00	2,797.16	2,641.77	2,587.79	8.21	8.98	-158.762	7,933.03	-171.15	8,015.59	7,998.62	16.97	472.305	
2,900.00	2,896.92	2,741.19	2,687.12	8.50	9.33	-158.803	7,935.54	-174.44	8,024.70	8,007.11	17.59	456.161	
3,000.00	2,996.67	2,835.86	2,781.72	8.79	9.67	-158.839	7,937.97	-177.08	8,033.84	8,015.64	18.20	441.390	
3,100.00	3,096.43	2,934.00	2,879.80	9.08	10.02	-158.872	7,940.57	-179.32	8,043.04	8,024.21	18.83	427.171	
3,200.00	3,196.19	3,009.00	2,954.75	9.38	10.29	-158.898	7,942.67	-181.16	8,052.40	8,033.03	19.38	415.564	
3,300.00	3,295.94	3,086.83	3,032.50	9.69	10.56	-158.930	7,945.04	-183.74	8,062.04	8,042.10	19.94	404.312	
3,400.00	3,395.70	3,176.18	3,121.73	10.00	10.88	-158.971	7,947.94	-187.32	8,071.90	8,051.35	20.55	392.793	
3,500.00	3,495.46	3,275.65	3,221.08	10.31	11.24	-159.015	7,951.21	-191.07	8,081.80	8,060.59	21.20	381.193	
3,600.00	3,595.21	3,358.48	3,303.81	10.63	11.54	-159.049	7,953.98	-193.86	8,091.76	8,069.96	21.79	371.282	
3,700.00	3,694.97	3,431.70	3,376.96	10.95	11.80	-159.076	7,956.68	-195.93	8,102.02	8,079.67	22.35	362.442	
3,800.00	3,794.73	3,507.70	3,452.87	11.27	12.07	-159.101	7,959.73	-197.67	8,112.61	8,089.69	22.93	353.851	
3,900.00	3,894.48	3,633.03	3,578.07	11.60	12.52	-159.143	7,964.72	-200.70	8,123.17	8,099.49	23.69	342.959	
4,000.00	3,994.24	3,739.80	3,684.72	11.93	12.91	-159.184	7,968.67	-203.89	8,133.48	8,109.10	24.38	333.635	
4,100.00	4,094.00	3,838.82	3,783.63	12.26	13.26	-159.221	7,972.37	-206.76	8,143.82	8,118.77	25.04	325.167	
4,200.00	4,193.75	3,945.44	3,890.13	12.59	13.65	-159.259	7,976.29	-209.72	8,154.09	8,128.35	25.74	316.761	
4,300.00	4,293.51	4,118.79	4,063.28	12.93	14.27	-159.332	7,981.85	-215.97	8,163.99	8,137.30	26.69	305.869	
4,400.00	4,393.27	4,244.33	4,188.60	13.26	14.72	-159.400	7,984.85	-222.70	8,173.07	8,145.61	27.46	297.583	
4,500.00	4,493.02	4,349.14	4,293.24	13.60	15.10	-159.456	7,987.24	-228.19	8,182.07	8,153.91	28.16	290.522	
4,600.00	4,592.78	4,454.00	4,397.50	13.94	15.47	-159.501	7,990.00	-233.44	8,191.99	8,163.66	28.86	283.461	
4,700.00	4,692.54	4,558.82	4,501.52	14.28	15.84	-159.546	7,992.75	-238.69	8,202.15	8,174.41	29.56	276.399	
4,800.00	4,792.29	4,663.64	4,606.22	14.62	16.21	-159.591	7,995.50	-243.94	8,212.31	8,185.16	30.26	269.338	
4,900.00	4,892.05	4,768.46	4,709.55	14.97	16.58	-159.636	7,998.25	-249.19	8,222.47	8,195.91	30.96	262.277	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 433H - OH / 68696 - Surveys (H&P 656)													Offset Site Error:	0.00 usft
Survey Program:		188-MWD+HDGM					Rule Assigned:				Offset Well Error:	1.00 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,000.00	4,991.81	20,858.08	12,701.56	15.31	124.73	153.062	-172.29	-338.44	7,721.86	7,644.42	77.44	99.720		
5,100.00	5,091.56	20,859.72	12,701.58	15.66	124.76	152.982	-173.93	-338.31	7,622.45	7,544.83	77.63	98.195		
5,200.00	5,191.32	20,861.38	12,701.60	16.00	124.78	152.901	-175.59	-338.19	7,523.06	7,445.24	77.82	96.674		
5,300.00	5,291.08	20,863.08	12,701.62	16.35	124.80	152.818	-177.28	-338.06	7,423.68	7,345.67	78.02	95.157		
5,400.00	5,390.83	20,864.81	12,701.64	16.70	124.83	152.733	-179.00	-337.93	7,324.32	7,246.11	78.21	93.643		
5,500.00	5,490.59	20,866.56	12,701.67	17.05	124.85	152.646	-180.75	-337.81	7,224.97	7,146.56	78.42	92.134		
5,600.00	5,590.35	20,868.35	12,701.69	17.40	124.87	152.558	-182.54	-337.69	7,125.65	7,047.02	78.62	90.629		
5,700.00	5,690.10	20,870.17	12,701.72	17.75	124.90	152.467	-184.35	-337.57	7,026.33	6,947.50	78.83	89.127		
5,800.00	5,789.86	20,872.02	12,701.75	18.10	124.92	152.374	-186.20	-337.45	6,927.04	6,847.99	79.05	87.630		
5,900.00	5,889.62	20,910.00	12,702.67	18.46	125.43	150.369	-224.13	-335.81	6,828.18	6,748.63	79.55	85.840		
6,000.00	5,989.37	20,910.00	12,702.67	18.81	125.43	150.369	-224.13	-335.81	6,728.88	6,649.13	79.75	84.373		
6,100.00	6,089.13	20,910.00	12,702.67	19.16	125.43	150.369	-224.13	-335.81	6,629.60	6,549.64	79.96	82.911		
6,200.00	6,188.89	20,910.00	12,702.67	19.52	125.43	150.369	-224.13	-335.81	6,530.34	6,450.17	80.17	81.453		
6,300.00	6,288.64	20,910.00	12,702.67	19.87	125.43	150.369	-224.13	-335.81	6,431.11	6,350.72	80.39	79.999		
6,400.00	6,388.40	20,910.00	12,702.67	20.22	125.43	150.369	-224.13	-335.81	6,331.90	6,251.29	80.61	78.551		
6,500.00	6,488.16	20,910.00	12,702.67	20.58	125.43	150.369	-224.13	-335.81	6,232.72	6,151.89	80.83	77.106		
6,600.00	6,587.91	20,910.00	12,702.67	20.94	125.43	150.369	-224.13	-335.81	6,133.56	6,052.50	81.06	75.667		
6,700.00	6,687.67	20,910.00	12,702.67	21.29	125.43	150.369	-224.13	-335.81	6,034.43	5,953.14	81.29	74.233		
6,800.00	6,787.43	20,910.00	12,702.67	21.65	125.43	150.369	-224.13	-335.81	5,935.33	5,853.81	81.53	72.804		
6,900.00	6,887.18	20,910.00	12,702.67	22.01	125.43	150.369	-224.13	-335.81	5,836.27	5,754.50	81.76	71.379		
7,000.00	6,986.94	20,910.00	12,702.67	22.36	125.43	150.369	-224.13	-335.81	5,737.23	5,655.22	82.01	69.960		
7,100.00	7,086.70	20,910.00	12,702.67	22.72	125.43	150.369	-224.13	-335.81	5,638.23	5,555.97	82.25	68.547		
7,200.00	7,186.45	20,910.00	12,702.67	23.08	125.43	150.369	-224.13	-335.81	5,539.26	5,456.75	82.50	67.139		
7,300.00	7,286.21	20,910.00	12,702.67	23.44	125.43	150.369	-224.13	-335.81	5,440.33	5,357.57	82.76	65.736		
7,400.00	7,385.97	20,910.00	12,702.67	23.80	125.43	150.369	-224.13	-335.81	5,341.44	5,258.42	83.02	64.339		
7,500.00	7,485.72	20,910.00	12,702.67	24.16	125.43	150.369	-224.13	-335.81	5,242.59	5,159.31	83.29	62.948		
7,600.00	7,585.48	20,910.00	12,702.67	24.52	125.43	150.369	-224.13	-335.81	5,143.79	5,060.24	83.55	61.562		
7,700.00	7,685.24	20,910.00	12,702.67	24.88	125.43	150.369	-224.13	-335.81	5,045.04	4,961.21	83.83	60.182		
7,800.00	7,784.99	20,910.00	12,702.67	25.24	125.43	150.369	-224.13	-335.81	4,946.33	4,862.22	84.11	58.809		
7,900.00	7,884.75	20,910.00	12,702.67	25.60	125.43	150.369	-224.13	-335.81	4,847.68	4,763.29	84.39	57.441		
8,000.00	7,984.51	20,910.00	12,702.67	25.96	125.43	150.369	-224.13	-335.81	4,749.08	4,664.40	84.69	56.079		
8,100.00	8,084.26	20,910.00	12,702.67	26.32	125.43	150.369	-224.13	-335.81	4,650.55	4,565.57	84.98	54.724		
8,200.00	8,184.02	20,910.00	12,702.67	26.68	125.43	150.369	-224.13	-335.81	4,552.08	4,466.79	85.28	53.375		
8,300.00	8,283.78	20,910.00	12,702.67	27.04	125.43	150.369	-224.13	-335.81	4,453.67	4,368.08	85.59	52.032		
8,400.00	8,383.53	20,940.41	12,703.82	27.40	125.84	148.636	-254.52	-335.36	4,355.04	4,268.89	86.15	50.552		
8,500.00	8,483.29	20,944.30	12,703.99	27.76	125.89	148.408	-258.39	-335.33	4,256.70	4,170.20	86.50	49.208		
8,600.00	8,583.05	20,948.28	12,704.17	28.12	125.95	148.172	-262.37	-335.31	4,158.44	4,071.57	86.87	47.871		
8,700.00	8,682.80	20,952.36	12,704.37	28.48	126.00	147.928	-266.45	-335.30	4,060.24	3,973.00	87.24	46.542		
8,800.00	8,782.56	20,956.55	12,704.57	28.85	126.06	147.677	-270.63	-335.29	3,962.12	3,874.50	87.62	45.219		
8,900.00	8,882.32	20,960.84	12,704.78	29.21	126.12	147.416	-274.92	-335.30	3,864.09	3,776.08	88.01	43.904		
9,000.00	8,982.07	20,965.26	12,705.01	29.57	126.18	147.147	-279.33	-335.31	3,766.15	3,677.73	88.41	42.596		
9,100.00	9,081.83	20,969.79	12,705.25	29.93	126.24	146.868	-283.86	-335.33	3,668.30	3,579.47	88.83	41.296		
9,200.00	9,181.59	20,974.45	12,705.51	30.30	126.30	146.580	-288.51	-335.37	3,570.56	3,481.30	89.26	40.003		
9,300.00	9,281.34	21,004.00	12,707.31	30.66	126.70	144.694	-318.00	-335.81	3,473.15	3,383.25	89.90	38.635		
9,400.00	9,381.10	21,004.00	12,707.31	31.02	126.70	144.694	-318.00	-335.81	3,375.56	3,285.25	90.31	37.376		
9,500.00	9,480.86	21,004.00	12,707.31	31.39	126.70	144.694	-318.00	-335.81	3,278.12	3,187.38	90.75	36.124		
9,600.00	9,580.61	21,004.00	12,707.31	31.75	126.70	144.694	-318.00	-335.81	3,180.84	3,089.65	91.20	34.879		
9,700.00	9,680.37	21,004.00	12,707.31	32.11	126.70	144.694	-318.00	-335.81	3,083.74	2,992.07	91.66	33.642		
9,800.00	9,780.13	21,007.46	12,707.54	32.48	126.74	144.468	-321.45	-335.89	2,986.82	2,894.64	92.18	32.402		
9,900.00	9,879.88	21,022.24	12,708.51	32.84	126.94	143.488	-336.19	-336.23	2,890.07	2,797.25	92.81	31.139		
10,000.00	9,979.64	21,036.82	12,709.45	33.20	127.14	142.501	-350.74	-336.58	2,793.47	2,700.00	93.47	29.887		
10,100.00	10,079.39	21,051.20	12,710.37	33.57	127.33	141.508	-365.09	-336.94	2,697.06	2,602.91	94.15	28.646		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 433H - OH / 68696 - Surveys (H&P 656)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 188-MWD+HDCM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>													
<b>Offset</b>													
<b>Semi Major Axis</b>													
<b>Highside</b>													
<b>Offset Wellbore Centre</b>													
<b>Distance</b>													
<b>Between</b>													
<b>Ellipses</b>													
<b>Minimum</b>													
<b>Separation</b>													
<b>Factor</b>													
<b>Warning</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>+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>	
10,200.00	10,179.15	21,065.40	12,711.27	33.93	127.52	140.511	-379.25	-337.30	2,600.85	2,505.98	94.87	27.416	
10,300.00	10,278.91	21,079.41	12,712.14	34.29	127.71	139.508	-393.23	-337.68	2,504.86	2,409.25	95.61	26.197	
10,400.00	10,378.66	21,093.23	12,712.99	34.66	127.90	138.502	-407.02	-338.07	2,409.13	2,312.72	96.40	24.990	
10,500.00	10,478.42	21,115.61	12,714.32	35.02	128.20	136.839	-429.36	-338.70	2,313.67	2,216.36	97.31	23.776	
10,600.00	10,578.18	21,140.62	12,715.68	35.39	128.53	134.932	-454.32	-339.36	2,218.47	2,120.18	98.29	22.570	
10,700.00	10,677.93	21,163.47	12,716.80	35.75	128.84	133.147	-477.14	-339.91	2,123.58	2,024.27	99.32	21.382	
10,800.00	10,777.69	21,184.44	12,717.72	36.12	129.12	131.475	-498.08	-340.39	2,029.07	1,928.67	100.40	20.211	
10,900.00	10,877.45	21,193.88	12,718.12	36.48	129.25	130.712	-507.51	-340.60	1,935.03	1,833.55	101.47	19.069	
11,000.00	10,977.20	21,204.48	12,718.57	36.85	129.39	129.848	-518.09	-340.83	1,841.55	1,738.89	102.66	17.938	
11,100.00	11,076.96	21,215.08	12,719.02	37.21	129.53	128.976	-528.68	-341.06	1,748.73	1,644.77	103.97	16.820	
11,200.00	11,176.72	21,225.68	12,719.47	37.57	129.67	128.097	-539.27	-341.29	1,656.68	1,551.27	105.41	15.717	
11,300.00	11,276.47	21,235.00	12,719.87	37.94	129.80	127.319	-548.58	-341.50	1,565.54	1,458.53	107.01	14.630	
11,400.00	11,376.23	21,235.00	12,719.87	38.30	129.80	127.319	-548.58	-341.50	1,475.51	1,366.76	108.75	13.568	
11,500.00	11,475.99	21,235.00	12,719.87	38.67	129.80	127.319	-548.58	-341.50	1,386.85	1,276.12	110.73	12.525	
11,510.34	11,486.30	21,235.00	12,719.87	38.71	129.80	127.319	-548.58	-341.50	1,377.78	1,266.83	110.95	12.418	
11,600.00	11,575.83	21,235.00	12,719.87	39.02	129.80	124.711	-548.58	-341.50	1,299.42	1,186.45	112.97	11.503	
11,700.00	11,675.80	21,235.00	12,719.87	39.33	129.80	121.824	-548.58	-341.50	1,212.89	1,097.42	115.47	10.504	
11,710.24	11,686.04	21,235.00	12,719.87	39.34	129.80	-81.076	-548.58	-341.50	1,204.09	1,088.35	115.74	10.404	
11,800.00	11,775.80	21,235.00	12,719.87	39.34	129.80	-81.076	-548.58	-341.50	1,127.96	1,009.72	118.24	9.539	
11,900.00	11,875.80	21,235.00	12,719.87	39.35	129.80	-81.076	-548.58	-341.50	1,045.70	924.26	121.44	8.611	
12,000.00	11,975.80	21,235.00	12,719.87	39.35	129.80	-81.076	-548.58	-341.50	966.78	841.68	125.10	7.728	
12,100.00	12,075.80	21,235.00	12,719.87	39.36	129.80	-81.076	-548.58	-341.50	892.10	762.84	129.27	6.901	
12,200.00	12,175.80	21,235.00	12,719.87	39.36	129.80	-81.076	-548.58	-341.50	822.82	688.91	133.91	6.145	
12,210.24	12,186.04	21,235.00	12,719.87	39.36	129.80	-81.076	-548.58	-341.50	816.09	681.68	134.41	6.072	
12,250.00	12,225.77	21,235.00	12,719.87	39.43	129.80	102.682	-548.58	-341.50	790.85	654.45	136.40	5.798	
12,300.00	12,275.43	21,235.00	12,719.87	39.69	129.80	106.179	-548.58	-341.50	761.59	622.58	139.02	5.478	
12,350.00	12,324.42	21,235.00	12,719.87	39.98	129.80	109.078	-548.58	-341.50	735.62	593.94	141.68	5.192	
12,400.00	12,372.35	21,235.00	12,719.87	40.29	129.80	111.395	-548.58	-341.50	713.51	569.20	144.30	4.944	
12,450.00	12,418.86	21,235.00	12,719.87	40.60	129.80	113.151	-548.58	-341.50	695.79	549.02	146.77	4.741	
12,500.00	12,463.61	21,235.00	12,719.87	40.91	129.80	114.369	-548.58	-341.50	682.95	533.99	148.95	4.585	
12,550.00	12,506.24	21,235.00	12,719.87	41.22	129.80	115.067	-548.58	-341.50	675.36	524.65	150.71	4.481	
12,593.80	12,541.59	21,235.00	12,719.87	41.47	129.80	115.260	-548.58	-341.50	673.23	521.42	151.81	4.435 CC	
12,600.00	12,546.43	21,235.00	12,719.87	41.50	129.80	115.257	-548.58	-341.50	673.27	521.34	151.93	4.431 ES, SF	
12,650.00	12,583.88	21,235.00	12,719.87	41.78	129.80	114.941	-548.58	-341.50	676.74	524.21	152.53	4.437	
12,700.00	12,618.30	21,235.00	12,719.87	42.03	129.80	114.116	-548.58	-341.50	685.65	533.17	152.49	4.497	
12,750.00	12,649.43	21,235.00	12,719.87	42.27	129.80	112.767	-548.58	-341.50	699.74	547.92	151.83	4.609	
12,800.00	12,677.04	21,235.00	12,719.87	42.47	129.80	110.874	-548.58	-341.50	718.60	567.97	150.63	4.771	
12,850.00	12,700.91	21,235.00	12,719.87	42.66	129.80	108.415	-548.58	-341.50	741.72	592.72	149.01	4.978	
12,900.00	12,720.86	21,235.00	12,719.87	42.81	129.80	105.368	-548.58	-341.50	768.56	621.50	147.06	5.226	
12,950.00	12,736.74	21,235.00	12,719.87	42.94	129.80	101.723	-548.58	-341.50	798.54	653.64	144.90	5.511	
13,000.00	12,748.43	21,235.00	12,719.87	43.04	129.80	97.487	-548.58	-341.50	831.12	688.50	142.62	5.827	
13,050.00	12,755.84	21,235.00	12,719.87	43.11	129.80	92.700	-548.58	-341.50	865.76	725.46	140.31	6.171	
13,100.00	12,758.91	21,235.00	12,719.87	43.15	129.80	87.446	-548.58	-341.50	901.98	763.98	138.00	6.536	
13,110.24	12,759.00	21,235.00	12,719.87	43.16	129.80	86.323	-548.58	-341.50	909.55	772.02	137.53	6.613	
13,200.00	12,759.00	21,235.00	12,719.87	43.21	129.80	86.323	-548.58	-341.50	977.98	844.39	133.58	7.321	
13,300.00	12,759.00	21,235.00	12,719.87	43.28	129.80	86.323	-548.58	-341.50	1,057.97	928.44	129.54	8.167	
13,400.00	12,759.00	21,235.00	12,719.87	43.36	129.80	86.323	-548.58	-341.50	1,141.13	1,015.23	125.90	9.064	
13,500.00	12,759.00	21,235.00	12,719.87	43.45	129.80	86.323	-548.58	-341.50	1,226.80	1,104.14	122.66	10.002	
13,600.00	12,759.00	21,235.00	12,719.87	43.56	129.80	86.323	-548.58	-341.50	1,314.50	1,194.71	119.79	10.973	
13,700.00	12,759.00	21,235.00	12,719.87	43.70	129.80	86.323	-548.58	-341.50	1,403.84	1,286.58	117.26	11.972	
13,800.00	12,759.00	21,235.00	12,719.87	43.86	129.80	86.323	-548.58	-341.50	1,494.54	1,379.51	115.03	12.993	
13,900.00	12,759.00	21,235.00	12,719.87	44.05	129.80	86.323	-548.58	-341.50	1,586.35	1,473.30	113.05	14.032	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 433H - OH / 68696 - Surveys (H&P 656)													Offset Site Error:	0.00 usft
Survey Program:		188-MWD+HDGM					Rule Assigned:			Offset Well Error:		1.00 usft		
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)			Minimum Separation (usft)	
14,000.00	12,759.00	21,235.00	12,719.87	44.28	129.80	86.323	-548.58	-341.50	1,679.10	1,567.79	111.31	15.085		
14,100.00	12,759.00	21,235.00	12,719.87	44.57	129.80	86.323	-548.58	-341.50	1,772.64	1,662.88	109.76	16.150		
14,200.00	12,759.00	21,235.00	12,719.87	44.91	129.80	86.323	-548.58	-341.50	1,866.85	1,758.47	108.38	17.225		
14,300.00	12,759.00	21,235.00	12,719.87	45.32	129.80	86.323	-548.58	-341.50	1,961.63	1,854.48	107.15	18.307		
14,400.00	12,759.00	21,235.00	12,719.87	45.81	129.80	86.323	-548.58	-341.50	2,056.90	1,950.85	106.05	19.395		
14,500.00	12,759.00	21,235.00	12,719.87	46.40	129.80	86.323	-548.58	-341.50	2,152.61	2,047.54	105.07	20.488		
14,600.00	12,759.00	21,235.00	12,719.87	47.09	129.80	86.323	-548.58	-341.50	2,248.69	2,144.50	104.18	21.584		
14,700.00	12,759.00	21,235.00	12,719.87	47.88	129.80	86.323	-548.58	-341.50	2,345.09	2,241.70	103.39	22.683		
14,800.00	12,759.00	21,235.00	12,719.87	48.76	129.80	86.323	-548.58	-341.50	2,441.79	2,339.12	102.67	23.783		
14,900.00	12,759.00	21,235.00	12,719.87	49.72	129.80	86.323	-548.58	-341.50	2,538.74	2,436.72	102.02	24.886		
15,000.00	12,759.00	21,235.00	12,719.87	50.75	129.80	86.323	-548.58	-341.50	2,635.92	2,534.49	101.43	25.988		
15,100.00	12,759.00	21,235.00	12,719.87	51.84	129.80	86.323	-548.58	-341.50	2,733.30	2,632.41	100.89	27.092		
15,200.00	12,759.00	21,235.00	12,719.87	52.98	129.80	86.323	-548.58	-341.50	2,830.86	2,730.46	100.40	28.195		
15,300.00	12,759.00	21,235.00	12,719.87	54.15	129.80	86.323	-548.58	-341.50	2,928.59	2,828.64	99.96	29.298		
15,400.00	12,759.00	21,235.00	12,719.87	55.36	129.80	86.323	-548.58	-341.50	3,026.47	2,926.92	99.55	30.401		
15,500.00	12,759.00	21,235.00	12,719.87	56.60	129.80	86.323	-548.58	-341.50	3,124.48	3,025.30	99.18	31.503		
15,600.00	12,759.00	21,235.00	12,719.87	57.85	129.80	86.323	-548.58	-341.50	3,222.62	3,123.77	98.84	32.604		
15,700.00	12,759.00	21,235.00	12,719.87	59.13	129.80	86.323	-548.58	-341.50	3,320.86	3,222.33	98.53	33.703		
15,800.00	12,759.00	21,235.00	12,719.87	60.42	129.80	86.323	-548.58	-341.50	3,419.21	3,320.96	98.25	34.802		
15,900.00	12,759.00	21,235.00	12,719.87	61.72	129.80	86.323	-548.58	-341.50	3,517.65	3,419.66	97.99	35.899		
16,000.00	12,759.00	21,235.00	12,719.87	63.04	129.80	86.323	-548.58	-341.50	3,616.18	3,518.43	97.75	36.995		
16,100.00	12,759.00	21,235.00	12,719.87	64.36	129.80	86.323	-548.58	-341.50	3,714.78	3,617.25	97.53	38.089		
16,200.00	12,759.00	21,235.00	12,719.87	65.69	129.80	86.323	-548.58	-341.50	3,813.46	3,716.13	97.33	39.181		
16,300.00	12,759.00	21,235.00	12,719.87	67.03	129.80	86.323	-548.58	-341.50	3,912.20	3,815.06	97.14	40.272		
16,400.00	12,759.00	21,235.00	12,719.87	68.37	129.80	86.323	-548.58	-341.50	4,011.01	3,914.03	96.98	41.361		
16,500.00	12,759.00	21,235.00	12,719.87	69.73	129.80	86.323	-548.58	-341.50	4,109.87	4,013.05	96.82	42.448		
16,600.00	12,759.00	21,235.00	12,719.87	71.08	129.80	86.323	-548.58	-341.50	4,208.79	4,112.11	96.68	43.533		
16,700.00	12,759.00	21,235.00	12,719.87	72.44	129.80	86.323	-548.58	-341.50	4,307.76	4,211.21	96.55	44.616		
16,800.00	12,759.00	21,235.00	12,719.87	73.81	129.80	86.323	-548.58	-341.50	4,406.78	4,310.34	96.43	45.697		
16,900.00	12,759.00	21,235.00	12,719.87	75.18	129.80	86.323	-548.58	-341.50	4,505.83	4,409.51	96.33	46.776		
17,000.00	12,759.00	21,235.00	12,719.87	76.55	129.80	86.323	-548.58	-341.50	4,604.93	4,508.70	96.23	47.853		
17,100.00	12,759.00	21,235.00	12,719.87	77.92	129.80	86.323	-548.58	-341.50	4,704.07	4,607.93	96.14	48.927		
17,200.00	12,759.00	21,235.00	12,719.87	79.30	129.80	86.323	-548.58	-341.50	4,803.24	4,707.18	96.07	50.000		
17,300.00	12,759.00	21,235.00	12,719.87	80.68	129.80	86.323	-548.58	-341.50	4,902.45	4,806.45	95.99	51.070		
17,400.00	12,759.00	21,235.00	12,719.87	82.07	129.80	86.323	-548.58	-341.50	5,001.69	4,905.76	95.93	52.138		
17,500.00	12,759.00	21,235.00	12,719.87	83.45	129.80	86.323	-548.58	-341.50	5,100.95	5,005.08	95.88	53.204		
17,600.00	12,759.00	21,235.00	12,719.87	84.84	129.80	86.323	-548.58	-341.50	5,200.25	5,104.42	95.83	54.267		
17,700.00	12,759.00	21,235.00	12,719.87	86.23	129.80	86.323	-548.58	-341.50	5,299.57	5,203.79	95.78	55.328		
17,800.00	12,759.00	21,235.00	12,719.87	87.62	129.80	86.323	-548.58	-341.50	5,398.92	5,303.17	95.75	56.387		
17,900.00	12,759.00	21,235.00	12,719.87	89.01	129.80	86.323	-548.58	-341.50	5,498.29	5,402.57	95.72	57.443		
18,000.00	12,759.00	21,235.00	12,719.87	90.41	129.80	86.323	-548.58	-341.50	5,597.68	5,501.99	95.69	58.497		
18,100.00	12,759.00	21,235.00	12,719.87	91.80	129.80	86.323	-548.58	-341.50	5,697.10	5,601.43	95.67	59.548		
18,200.00	12,759.00	21,235.00	12,719.87	93.20	129.80	86.323	-548.58	-341.50	5,796.53	5,700.88	95.66	60.597		
18,300.00	12,759.00	21,235.00	12,719.87	94.60	129.80	86.323	-548.58	-341.50	5,895.99	5,800.34	95.65	61.643		
18,400.00	12,759.00	21,235.00	12,719.87	96.00	129.80	86.323	-548.58	-341.50	5,995.46	5,899.82	95.64	62.687		
18,500.00	12,759.00	21,235.00	12,719.87	97.40	129.80	86.323	-548.58	-341.50	6,094.95	5,999.31	95.64	63.728		
18,600.00	12,759.00	21,235.00	12,719.87	98.81	129.80	86.323	-548.58	-341.50	6,194.46	6,098.81	95.64	64.766		
18,700.00	12,759.00	21,235.00	12,719.87	100.21	129.80	86.323	-548.58	-341.50	6,293.98	6,198.33	95.65	65.802		
18,800.00	12,759.00	21,235.00	12,719.87	101.62	129.80	86.323	-548.58	-341.50	6,393.51	6,297.85	95.66	66.836		
18,900.00	12,759.00	21,235.00	12,719.87	103.02	129.80	86.323	-548.58	-341.50	6,493.06	6,397.39	95.67	67.867		
19,000.00	12,759.00	21,235.00	12,719.87	104.43	129.80	86.323	-548.58	-341.50	6,592.63	6,496.94	95.69	68.895		
19,100.00	12,759.00	21,235.00	12,719.87	105.84	129.80	86.323	-548.58	-341.50	6,692.21	6,596.49	95.71	69.920		

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 433H - OH / 68696 - Surveys (H&P 656)												Offset Site Error:	0.00 usft
Survey Program:		188-MWD+HDGM						Rule Assigned:				Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,200.00	12,759.00	21,235.00	12,719.87	107.24	129.80	86.323	-548.58	-341.50	6,791.80	6,696.06	95.74	70.943	
19,300.00	12,759.00	21,235.00	12,719.87	108.65	129.80	86.323	-548.58	-341.50	6,891.40	6,795.63	95.76	71.963	
19,400.00	12,759.00	21,235.00	12,719.87	110.06	129.80	86.323	-548.58	-341.50	6,991.01	6,895.22	95.79	72.980	
19,500.00	12,759.00	21,235.00	12,719.87	111.47	129.80	86.323	-548.58	-341.50	7,090.63	6,994.81	95.83	73.994	
19,600.00	12,759.00	21,235.00	12,719.87	112.89	129.80	86.323	-548.58	-341.50	7,190.27	7,094.41	95.86	75.006	
19,700.00	12,759.00	21,235.00	12,719.87	114.30	129.80	86.323	-548.58	-341.50	7,289.91	7,194.01	95.90	76.015	
19,800.00	12,759.00	21,235.00	12,719.87	115.71	129.80	86.323	-548.58	-341.50	7,389.57	7,293.62	95.94	77.021	
19,900.00	12,759.00	21,235.00	12,719.87	117.12	129.80	86.323	-548.58	-341.50	7,489.23	7,393.24	95.99	78.024	
20,000.00	12,759.00	21,235.00	12,719.87	118.54	129.80	86.323	-548.58	-341.50	7,588.90	7,492.87	96.03	79.025	
20,100.00	12,759.00	21,235.00	12,719.87	119.95	129.80	86.323	-548.58	-341.50	7,688.58	7,592.50	96.08	80.022	
20,200.00	12,759.00	21,235.00	12,719.87	121.37	129.80	86.323	-548.58	-341.50	7,788.27	7,692.14	96.13	81.017	
20,300.00	12,759.00	21,235.00	12,719.87	122.78	129.80	86.323	-548.58	-341.50	7,887.97	7,791.78	96.18	82.009	
20,400.00	12,759.00	21,235.00	12,719.87	124.20	129.80	86.323	-548.58	-341.50	7,987.67	7,891.43	96.24	82.998	
20,500.00	12,759.00	21,235.00	12,719.87	125.61	129.80	86.323	-548.58	-341.50	8,087.38	7,991.09	96.30	83.984	
20,600.00	12,759.00	21,235.00	12,719.87	127.03	129.80	86.323	-548.58	-341.50	8,187.10	8,090.75	96.36	84.967	
20,700.00	12,759.00	21,235.00	12,719.87	128.45	129.80	86.323	-548.58	-341.50	8,286.83	8,190.41	96.42	85.947	
20,800.00	12,759.00	21,235.00	12,719.87	129.87	129.80	86.323	-548.58	-341.50	8,386.56	8,290.08	96.48	86.924	
20,900.00	12,759.00	21,235.00	12,719.87	131.29	129.80	86.323	-548.58	-341.50	8,486.30	8,389.75	96.55	87.899	
21,000.00	12,759.00	21,235.00	12,719.87	132.70	129.80	86.323	-548.58	-341.50	8,586.04	8,489.43	96.61	88.870	
21,100.00	12,759.00	21,235.00	12,719.87	134.12	129.80	86.323	-548.58	-341.50	8,685.79	8,589.11	96.68	89.839	
21,200.00	12,759.00	21,235.00	12,719.87	135.54	129.80	86.323	-548.58	-341.50	8,785.55	8,688.79	96.75	90.804	
21,300.00	12,759.00	21,235.00	12,719.87	136.96	129.80	86.323	-548.58	-341.50	8,885.31	8,788.48	96.83	91.766	
21,400.00	12,759.00	21,235.00	12,719.87	138.38	129.80	86.323	-548.58	-341.50	8,985.07	8,888.18	96.90	92.726	
21,500.00	12,759.00	21,235.00	12,719.87	139.80	129.80	86.323	-548.58	-341.50	9,084.85	8,987.87	96.98	93.682	
21,600.00	12,759.00	21,235.00	12,719.87	141.22	129.80	86.323	-548.58	-341.50	9,184.62	9,087.57	97.05	94.635	
21,700.00	12,759.00	21,235.00	12,719.87	142.65	129.80	86.323	-548.58	-341.50	9,284.40	9,187.27	97.13	95.586	
21,800.00	12,759.00	21,235.00	12,719.87	144.07	129.80	86.323	-548.58	-341.50	9,384.19	9,286.98	97.21	96.533	
21,900.00	12,759.00	21,235.00	12,719.87	145.49	129.80	86.323	-548.58	-341.50	9,483.98	9,386.69	97.29	97.477	
22,000.00	12,759.00	21,235.00	12,719.87	146.91	129.80	86.323	-548.58	-341.50	9,583.78	9,486.40	97.38	98.419	
22,100.00	12,759.00	21,235.00	12,719.87	148.33	129.80	86.323	-548.58	-341.50	9,683.58	9,586.11	97.46	99.357	
22,125.24	12,759.00	21,235.00	12,719.87	148.69	129.80	86.323	-548.58	-341.50	9,708.77	9,611.28	97.48	99.593	



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 512H - OH / 68637 - Surveys (H&P 625)														<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 124-MWD+HDGM														<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>														<b>Rule Assigned:</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>	<b>+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>	
0.00	0.00	62.93	8.93	1.00	1.00	-10.219	7,889.67	-1,422.24	8,016.84						
100.00	100.00	247.56	193.55	1.08	1.18	-10.226	7,888.49	-1,423.06	8,016.36	8,014.10	2.26	3,548.300			
200.00	200.00	380.84	326.82	1.60	1.48	-10.229	7,886.55	-1,423.13	8,014.93	8,011.85	3.08	2,602.638			
300.00	300.00	498.97	444.93	2.01	1.82	-10.232	7,884.50	-1,423.22	8,013.23	8,009.41	3.82	2,095.535			
400.00	400.00	585.92	531.87	2.35	2.08	-10.235	7,882.98	-1,423.29	8,011.53	8,007.09	4.43	1,806.845			
500.00	500.00	682.58	628.51	2.65	2.39	-10.237	7,881.42	-1,423.31	8,009.94	8,004.89	5.04	1,587.748			
600.00	600.00	814.87	760.78	2.93	2.83	-10.239	7,879.01	-1,423.22	8,008.13	8,002.38	5.75	1,391.535			
700.00	700.00	914.13	860.02	3.18	3.17	-10.240	7,876.98	-1,423.01	8,006.08	7,999.74	6.34	1,262.601			
800.00	800.00	1,003.66	949.54	3.41	3.48	-10.239	7,875.29	-1,422.59	8,004.15	7,997.27	6.88	1,163.207			
900.00	900.00	1,098.65	1,044.51	3.64	3.80	-10.238	7,873.63	-1,422.05	8,002.32	7,994.89	7.43	1,077.142			
1,000.00	1,000.00	1,217.23	1,163.07	3.85	4.22	-10.238	7,871.47	-1,421.62	8,000.48	7,992.43	8.05	993.769			
1,100.00	1,100.00	1,271.00	1,216.83	4.05	4.40	-10.237	7,870.33	-1,421.41	7,998.51	7,990.07	8.44	947.734			
1,200.00	1,200.00	1,271.00	1,216.83	4.24	4.40	-10.237	7,870.33	-1,421.41	7,997.68	7,989.04	8.63	926.399			
1,289.62	1,289.62	1,343.80	1,289.61	4.41	4.65	-10.234	7,869.60	-1,420.81	7,996.83	7,987.79	9.04	884.311			
1,300.00	1,300.00	1,346.77	1,292.59	4.43	4.66	-10.234	7,869.61	-1,420.77	7,996.84	7,987.76	9.07	881.458			
1,400.00	1,400.00	1,375.40	1,321.21	4.61	4.75	-10.231	7,869.84	-1,420.36	7,997.38	7,988.03	9.35	855.555			
1,500.00	1,500.00	1,456.00	1,401.76	4.78	5.02	-10.216	7,871.98	-1,418.68	7,999.40	7,989.61	9.79	816.938			
1,600.00	1,599.98	1,456.00	1,401.76	4.98	5.02	-167.594	7,871.98	-1,418.68	8,002.95	7,992.97	9.98	801.929			
1,699.91	1,699.74	1,471.15	1,416.89	5.60	5.07	-167.557	7,872.59	-1,418.30	8,011.13	8,000.51	10.62	754.092			
1,800.00	1,799.59	1,556.26	1,501.91	5.91	5.35	-167.547	7,876.09	-1,416.23	8,021.56	8,010.36	11.20	716.115			
1,900.00	1,899.35	1,644.00	1,589.55	6.08	5.63	-167.537	7,879.84	-1,414.22	8,032.16	8,020.50	11.65	689.171			
2,000.00	1,999.11	1,757.50	1,702.92	6.27	6.01	-167.527	7,884.64	-1,411.84	8,042.74	8,030.53	12.22	658.322			
2,100.00	2,098.86	1,833.00	1,778.35	6.47	6.26	-167.521	7,887.67	-1,410.41	8,053.20	8,040.54	12.67	635.821			
2,200.00	2,198.62	1,906.56	1,851.83	6.68	6.51	-167.516	7,890.81	-1,409.23	8,063.98	8,050.85	13.12	614.437			
2,300.00	2,298.38	1,960.72	1,905.92	6.91	6.69	-167.514	7,893.45	-1,408.56	8,075.35	8,061.82	13.53	596.953			
2,400.00	2,398.13	2,021.00	1,966.11	7.15	6.90	-167.513	7,896.71	-1,408.03	8,087.28	8,073.32	13.96	579.201			
2,500.00	2,497.89	2,094.70	2,039.69	7.41	7.15	-167.511	7,900.99	-1,407.43	8,099.62	8,085.16	14.46	560.263			
2,600.00	2,597.65	2,177.92	2,122.75	7.67	7.43	-167.508	7,906.01	-1,406.55	8,112.16	8,097.16	14.99	541.082			
2,700.00	2,697.40	2,284.58	2,229.19	7.94	7.80	-167.501	7,912.62	-1,405.14	8,124.80	8,109.18	15.62	520.096			
2,800.00	2,797.16	2,406.04	2,350.42	8.21	8.22	-167.491	7,919.91	-1,403.18	8,137.21	8,120.90	16.31	498.825			
2,900.00	2,896.92	2,506.30	2,450.49	8.50	8.57	-167.482	7,925.83	-1,401.32	8,149.49	8,132.55	16.94	481.143			
3,000.00	2,996.67	2,606.26	2,550.25	8.79	8.93	-167.471	7,931.75	-1,399.29	8,161.74	8,144.18	17.57	464.577			
3,100.00	3,096.43	2,700.28	2,644.09	9.08	9.26	-167.462	7,937.31	-1,397.53	8,174.03	8,155.85	18.18	449.521			
3,200.00	3,196.19	2,809.84	2,753.45	9.38	9.64	-167.454	7,943.78	-1,395.85	8,186.36	8,167.50	18.86	434.026			
3,300.00	3,295.94	2,979.83	2,923.18	9.69	10.24	-167.443	7,952.82	-1,393.35	8,198.13	8,178.36	19.76	414.803			
3,400.00	3,395.70	3,054.12	2,997.36	10.00	10.51	-167.440	7,956.58	-1,392.42	8,209.67	8,189.34	20.32	403.942			
3,500.00	3,495.46	3,152.00	3,095.11	10.31	10.85	-167.438	7,961.68	-1,391.56	8,221.43	8,200.45	20.97	391.993			
3,600.00	3,595.21	3,283.79	3,226.73	10.63	11.32	-167.437	7,968.28	-1,390.47	8,233.04	8,211.29	21.75	378.515			
3,700.00	3,694.97	3,423.64	3,366.42	10.95	11.82	-167.431	7,974.57	-1,388.64	8,244.01	8,221.45	22.56	365.390			
3,800.00	3,794.73	3,551.26	3,493.88	11.27	12.27	-167.416	7,980.07	-1,385.50	8,254.62	8,231.29	23.33	353.785			
3,900.00	3,894.48	3,589.03	3,531.61	11.60	12.40	-167.414	7,981.82	-1,384.82	8,265.52	8,241.74	23.78	347.646			
4,000.00	3,994.24	3,639.58	3,582.09	11.93	12.58	-167.412	7,984.32	-1,384.30	8,276.99	8,252.72	24.27	341.076			
4,100.00	4,094.00	3,718.00	3,660.40	12.26	12.86	-167.417	7,988.60	-1,384.58	8,289.14	8,264.28	24.86	333.388			
4,200.00	4,193.75	3,758.82	3,701.14	12.59	13.01	-167.422	7,990.98	-1,385.00	8,301.64	8,276.32	25.32	327.850			
4,300.00	4,293.51	3,850.45	3,792.60	12.93	13.34	-167.428	7,996.46	-1,385.49	8,314.40	8,288.43	25.97	320.158			
4,400.00	4,393.27	3,947.16	3,889.14	13.26	13.68	-167.430	8,002.43	-1,385.36	8,327.24	8,300.60	26.64	312.595			
4,500.00	4,493.02	4,052.12	3,993.89	13.60	14.06	-167.431	8,008.90	-1,385.09	8,340.04	8,312.70	27.34	305.028			
4,600.00	4,592.78	4,189.82	4,131.35	13.94	14.55	-167.433	8,017.11	-1,384.62	8,352.66	8,324.49	28.17	296.515			
4,700.00	4,692.54	4,456.74	4,397.94	14.28	15.51	-167.431	8,030.12	-1,382.52	8,364.33	8,334.86	29.48	283.740			
4,800.00	4,792.29	20,918.47	13,019.16	14.62	123.27	135.805	-6.53	-1,391.53	8,360.83	8,282.25	78.58	106.400			
4,900.00	4,892.05	20,921.51	13,019.22	14.97	123.31	135.717	-9.56	-1,391.62	8,263.33	8,184.49	78.84	104.814			
5,000.00	4,991.81	20,924.60	13,019.28	15.31	123.35	135.628	-12.65	-1,391.71	8,165.88	8,086.78	79.10	103.232			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 512H - OH / 68637 - Surveys (H&P 625)													Offset Site Error:	0.00 usft
Survey Program:		124-MWD+HDGM						Rule Assigned:				Offset Well Error:	1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,100.00	5,091.56	20,956.00	13,020.04	15.66	123.77	134.718	-44.04	-1,392.50	8,068.63	7,989.03	79.60	101.369		
5,200.00	5,191.32	20,956.00	13,020.04	16.00	123.77	134.718	-44.04	-1,392.50	7,971.27	7,891.43	79.85	99.832		
5,300.00	5,291.08	20,956.00	13,020.04	16.35	123.77	134.718	-44.04	-1,392.50	7,873.99	7,793.89	80.10	98.299		
5,400.00	5,390.83	20,956.00	13,020.04	16.70	123.77	134.718	-44.04	-1,392.50	7,776.77	7,696.41	80.36	96.770		
5,500.00	5,490.59	20,956.00	13,020.04	17.05	123.77	134.718	-44.04	-1,392.50	7,679.62	7,598.99	80.63	95.245		
5,600.00	5,590.35	20,956.00	13,020.04	17.40	123.77	134.718	-44.04	-1,392.50	7,582.55	7,501.65	80.90	93.724		
5,700.00	5,690.10	20,956.00	13,020.04	17.75	123.77	134.718	-44.04	-1,392.50	7,485.56	7,404.37	81.18	92.207		
5,800.00	5,789.86	20,956.00	13,020.04	18.10	123.77	134.718	-44.04	-1,392.50	7,388.64	7,307.17	81.47	90.695		
5,900.00	5,889.62	20,956.00	13,020.04	18.46	123.77	134.718	-44.04	-1,392.50	7,291.81	7,210.05	81.76	89.187		
6,000.00	5,989.37	20,956.00	13,020.04	18.81	123.77	134.718	-44.04	-1,392.50	7,195.06	7,113.01	82.06	87.684		
6,100.00	6,089.13	20,956.00	13,020.04	19.16	123.77	134.718	-44.04	-1,392.50	7,098.41	7,016.05	82.36	86.186		
6,200.00	6,188.89	20,956.00	13,020.04	19.52	123.77	134.718	-44.04	-1,392.50	7,001.85	6,919.17	82.67	84.693		
6,300.00	6,288.64	20,976.96	13,020.65	19.87	124.05	134.106	-64.98	-1,392.97	6,905.33	6,822.17	83.16	83.035		
6,400.00	6,388.40	20,982.70	13,020.83	20.22	124.12	133.937	-70.72	-1,393.10	6,808.94	6,725.40	83.53	81.510		
6,500.00	6,488.16	20,988.52	13,021.01	20.58	124.20	133.766	-76.53	-1,393.22	6,712.64	6,628.72	83.92	79.992		
6,600.00	6,587.91	20,994.41	13,021.20	20.94	124.28	133.592	-82.42	-1,393.35	6,616.44	6,532.14	84.31	78.481		
6,700.00	6,687.67	21,000.38	13,021.39	21.29	124.36	133.416	-88.38	-1,393.48	6,520.35	6,435.65	84.71	76.976		
6,800.00	6,787.43	21,006.42	13,021.59	21.65	124.44	133.237	-94.42	-1,393.61	6,424.37	6,339.26	85.11	75.479		
6,900.00	6,887.18	21,012.54	13,021.80	22.01	124.52	133.055	-100.54	-1,393.74	6,328.51	6,242.98	85.53	73.989		
7,000.00	6,986.94	21,018.75	13,022.01	22.36	124.60	132.871	-106.74	-1,393.87	6,232.77	6,146.80	85.96	72.506		
7,100.00	7,086.70	21,024.07	13,023.99	22.72	125.47	130.903	-172.01	-1,395.30	6,137.14	6,050.27	86.88	70.641		
7,200.00	7,186.45	21,092.90	13,024.21	23.08	125.59	130.633	-180.84	-1,395.50	6,041.57	5,954.22	87.35	69.166		
7,300.00	7,286.21	21,196.19	13,025.96	23.44	126.97	127.423	-284.08	-1,398.09	5,946.16	5,857.56	88.59	67.117		
7,400.00	7,385.97	21,209.02	13,026.04	23.80	127.14	127.018	-296.90	-1,398.45	5,850.72	5,761.60	89.12	65.650		
7,500.00	7,485.72	21,221.46	13,026.11	24.16	127.30	126.623	-309.33	-1,398.80	5,755.42	5,665.77	89.66	64.195		
7,600.00	7,585.48	21,233.51	13,026.16	24.52	127.46	126.239	-321.38	-1,399.14	5,660.27	5,570.07	90.20	62.753		
7,700.00	7,685.24	21,251.21	13,026.21	24.88	127.70	125.674	-339.07	-1,399.64	5,565.27	5,474.47	90.80	61.290		
7,800.00	7,784.99	21,272.53	13,026.22	25.24	127.98	124.990	-360.38	-1,400.25	5,470.43	5,378.98	91.45	59.820		
7,900.00	7,884.75	21,292.10	13,026.17	25.60	128.24	124.359	-379.94	-1,400.80	5,375.75	5,283.65	92.09	58.372		
8,000.00	7,984.51	21,310.12	13,026.08	25.96	128.48	123.776	-397.95	-1,401.31	5,281.24	5,188.50	92.74	56.944		
8,100.00	8,084.26	21,326.76	13,025.96	26.32	128.70	123.236	-414.60	-1,401.78	5,186.92	5,093.53	93.40	55.536		
8,200.00	8,184.02	21,342.19	13,025.82	26.68	128.91	122.733	-430.02	-1,402.22	5,092.80	4,998.75	94.06	54.146		
8,300.00	8,283.78	21,312.23	13,025.97	27.04	128.51	123.707	-400.07	-1,401.37	4,998.88	4,904.51	94.37	52.974		
8,400.00	8,383.53	21,318.30	13,025.95	27.40	128.59	123.510	-406.14	-1,401.54	4,905.25	4,810.26	94.98	51.643		
8,500.00	8,483.29	21,324.37	13,025.93	27.76	128.67	123.313	-412.20	-1,401.71	4,811.87	4,716.25	95.62	50.321		
8,600.00	8,583.05	21,349.97	13,025.77	28.12	129.01	122.480	-437.79	-1,402.43	4,718.71	4,622.27	96.44	48.928		
8,700.00	8,682.80	21,353.86	13,025.75	28.48	129.06	122.353	-441.68	-1,402.53	4,625.85	4,528.75	97.10	47.638		
8,800.00	8,782.56	21,357.82	13,025.73	28.85	129.12	122.223	-445.64	-1,402.63	4,533.29	4,435.50	97.79	46.357		
8,900.00	8,882.32	21,361.87	13,025.70	29.21	129.17	122.091	-449.69	-1,402.74	4,441.05	4,342.55	98.50	45.086		
9,000.00	8,982.07	21,366.00	13,025.69	29.57	129.23	121.956	-453.82	-1,402.84	4,349.15	4,249.91	99.24	43.826		
9,100.00	9,081.83	21,370.22	13,025.67	29.93	129.28	121.818	-458.03	-1,402.94	4,257.60	4,157.60	100.00	42.575		
9,200.00	9,181.59	21,374.52	13,025.65	30.30	129.34	121.677	-462.33	-1,403.05	4,166.44	4,065.65	100.80	41.335		
9,300.00	9,281.34	21,378.91	13,025.64	30.66	129.40	121.533	-466.72	-1,403.16	4,075.69	3,974.07	101.62	40.107		
9,400.00	9,381.10	21,383.40	13,025.63	31.02	129.46	121.386	-471.21	-1,403.26	3,985.37	3,882.89	102.48	38.890		
9,500.00	9,480.86	21,387.98	13,025.62	31.39	129.52	121.236	-475.79	-1,403.37	3,895.51	3,792.14	103.37	37.685		
9,600.00	9,580.61	21,392.66	13,025.62	31.75	129.58	121.082	-480.47	-1,403.47	3,806.16	3,701.86	104.30	36.493		
9,700.00	9,680.37	21,397.44	13,025.62	32.11	129.65	120.925	-485.25	-1,403.58	3,717.34	3,612.07	105.27	35.313		
9,800.00	9,780.13	21,402.33	13,025.62	32.48	129.71	120.764	-490.14	-1,403.69	3,629.09	3,522.82	106.28	34.147		
9,900.00	9,879.88	21,407.33	13,025.63	32.84	129.78	120.600	-495.14	-1,403.80	3,541.46	3,434.13	107.33	32.996		
10,000.00	9,979.64	21,420.00	13,025.66	33.20	129.95	120.183	-507.80	-1,404.05	3,454.50	3,346.01	108.49	31.841		
10,100.00	10,079.39	21,420.00	13,025.66	33.57	129.95	120.183	-507.80	-1,404.05	3,368.24	3,258.64	109.60	30.732		
10,200.00	10,179.15	21,423.78	13,025.67	33.93	130.00	120.059	-511.58	-1,404.13	3,282.75	3,171.96	110.79	29.631		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 512H - OH / 68637 - Surveys (H&P 625)													Offset Site Error:	0.00 usft	
Survey Program:		124-MWD+HDGM						Rule Assigned:						Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)				
10,300.00	10,278.91	21,430.49	13,025.69	34.29	130.09	119.837	-518.29	-1,404.26	3,198.09	3,086.04	112.05	28.540			
10,400.00	10,378.66	21,437.21	13,025.71	34.66	130.18	119.616	-525.00	-1,404.40	3,114.33	3,000.95	113.38	27.469			
10,500.00	10,478.42	21,443.92	13,025.74	35.02	130.27	119.394	-531.72	-1,404.53	3,031.53	2,916.77	114.76	26.416			
10,600.00	10,578.18	21,450.63	13,025.76	35.39	130.36	119.173	-538.43	-1,404.66	2,949.79	2,833.59	116.21	25.384			
10,700.00	10,677.93	21,457.34	13,025.78	35.75	130.45	118.951	-545.14	-1,404.80	2,869.19	2,751.47	117.72	24.374			
10,800.00	10,777.69	21,464.06	13,025.80	36.12	130.54	118.729	-551.85	-1,404.93	2,789.83	2,670.54	119.29	23.386			
10,900.00	10,877.45	21,470.77	13,025.83	36.48	130.62	118.506	-558.56	-1,405.07	2,711.81	2,590.88	120.94	22.423			
11,000.00	10,977.20	21,477.00	13,025.85	36.85	130.71	118.300	-564.79	-1,405.19	2,635.27	2,512.62	122.65	21.486			
11,100.00	11,076.96	21,477.00	13,025.85	37.21	130.71	118.300	-564.79	-1,405.19	2,560.34	2,435.95	124.39	20.583			
11,200.00	11,176.72	21,477.00	13,025.85	37.57	130.71	118.300	-564.79	-1,405.19	2,487.16	2,360.96	126.20	19.708			
11,300.00	11,276.47	21,477.00	13,025.85	37.94	130.71	118.300	-564.79	-1,405.19	2,415.92	2,287.84	128.08	18.862			
11,400.00	11,376.23	21,477.00	13,025.85	38.30	130.71	118.300	-564.79	-1,405.19	2,346.77	2,216.74	130.03	18.048			
11,500.00	11,475.99	21,477.00	13,025.85	38.67	130.71	118.300	-564.79	-1,405.19	2,279.91	2,147.87	132.04	17.267			
11,510.34	11,486.30	21,477.00	13,025.85	38.71	130.71	118.300	-564.79	-1,405.19	2,273.14	2,140.89	132.25	17.188			
11,600.00	11,575.83	21,477.00	13,025.85	39.02	130.71	116.948	-564.79	-1,405.19	2,215.04	2,080.96	134.08	16.520			
11,700.00	11,675.80	21,477.00	13,025.85	39.33	130.71	115.477	-564.79	-1,405.19	2,151.63	2,015.50	136.12	15.806			
11,710.24	11,686.04	21,477.00	13,025.85	39.34	130.71	-87.279	-564.79	-1,405.19	2,145.22	2,008.90	136.33	15.736			
11,800.00	11,775.80	21,477.00	13,025.85	39.34	130.71	-87.279	-564.79	-1,405.19	2,090.34	1,952.27	138.07	15.139			
11,900.00	11,875.80	21,477.00	13,025.85	39.35	130.71	-87.279	-564.79	-1,405.19	2,032.12	1,892.09	140.03	14.512			
12,000.00	11,975.80	21,477.00	13,025.85	39.35	130.71	-87.279	-564.79	-1,405.19	1,977.25	1,835.28	141.96	13.928			
12,100.00	12,075.80	21,477.00	13,025.85	39.36	130.71	-87.279	-564.79	-1,405.19	1,926.00	1,782.14	143.86	13.388			
12,200.00	12,175.80	21,477.00	13,025.85	39.36	130.71	-87.279	-564.79	-1,405.19	1,878.69	1,733.00	145.69	12.895			
12,210.24	12,186.04	21,477.00	13,025.85	39.36	130.71	-87.279	-564.79	-1,405.19	1,874.08	1,728.21	145.87	12.847			
12,250.00	12,225.77	21,477.00	13,025.85	39.43	130.71	95.201	-564.79	-1,405.19	1,856.69	1,710.10	146.59	12.666			
12,300.00	12,275.43	21,477.00	13,025.85	39.69	130.71	97.442	-564.79	-1,405.19	1,836.14	1,688.62	147.53	12.446			
12,350.00	12,324.42	21,477.00	13,025.85	39.98	130.71	99.459	-564.79	-1,405.19	1,817.26	1,668.78	148.48	12.239			
12,400.00	12,372.35	21,477.00	13,025.85	40.29	130.71	101.239	-564.79	-1,405.19	1,800.25	1,650.81	149.43	12.047			
12,450.00	12,418.86	21,477.00	13,025.85	40.60	130.71	102.774	-564.79	-1,405.19	1,785.28	1,634.89	150.39	11.871			
12,500.00	12,463.61	21,477.00	13,025.85	40.91	130.71	104.056	-564.79	-1,405.19	1,772.54	1,621.21	151.33	11.713			
12,550.00	12,506.24	21,477.00	13,025.85	41.22	130.71	105.084	-564.79	-1,405.19	1,762.15	1,609.91	152.24	11.575			
12,600.00	12,546.43	21,477.00	13,025.85	41.50	130.71	105.855	-564.79	-1,405.19	1,754.25	1,601.14	153.11	11.457			
12,650.00	12,583.88	21,477.00	13,025.85	41.78	130.71	106.369	-564.79	-1,405.19	1,748.94	1,595.01	153.93	11.362			
12,700.00	12,618.30	21,477.00	13,025.85	42.03	130.71	106.626	-564.79	-1,405.19	1,746.26	1,591.59	154.67	11.290			
12,724.99	12,634.29	21,477.00	13,025.85	42.15	130.71	106.658	-564.79	-1,405.19	1,745.92	1,590.91	155.01	11.263 CC, ES			
12,750.00	12,649.43	21,477.00	13,025.85	42.27	130.71	106.626	-564.79	-1,405.19	1,746.26	1,590.93	155.33	11.242			
12,800.00	12,677.04	21,477.00	13,025.85	42.47	130.71	106.369	-564.79	-1,405.19	1,748.94	1,593.04	155.89	11.219 SF			
12,850.00	12,700.91	21,477.00	13,025.85	42.66	130.71	105.855	-564.79	-1,405.19	1,754.26	1,597.91	156.35	11.220			
12,900.00	12,720.86	21,477.00	13,025.85	42.81	130.71	105.084	-564.79	-1,405.19	1,762.15	1,605.46	156.69	11.246			
12,950.00	12,736.74	21,477.00	13,025.85	42.94	130.71	104.056	-564.79	-1,405.19	1,772.54	1,615.62	156.92	11.296			
13,000.00	12,748.43	21,477.00	13,025.85	43.04	130.71	102.773	-564.79	-1,405.19	1,785.29	1,628.27	157.02	11.370			
13,050.00	12,755.84	21,477.00	13,025.85	43.11	130.71	101.239	-564.79	-1,405.19	1,800.25	1,643.25	157.00	11.467			
13,100.00	12,758.91	21,477.00	13,025.85	43.15	130.71	99.459	-564.79	-1,405.19	1,817.27	1,660.40	156.87	11.585			
13,110.24	12,759.00	21,477.00	13,025.85	43.16	130.71	99.064	-564.79	-1,405.19	1,820.99	1,664.16	156.83	11.612			
13,200.00	12,759.00	21,477.00	13,025.85	43.21	130.71	99.064	-564.79	-1,405.19	1,855.82	1,699.50	156.33	11.871			
13,300.00	12,759.00	21,477.00	13,025.85	43.28	130.71	99.064	-564.79	-1,405.19	1,898.88	1,743.35	155.53	12.209			
13,400.00	12,759.00	21,477.00	13,025.85	43.36	130.71	99.064	-564.79	-1,405.19	1,946.13	1,791.61	154.52	12.595			
13,500.00	12,759.00	21,477.00	13,025.85	43.45	130.71	99.064	-564.79	-1,405.19	1,997.27	1,843.95	153.33	13.026			
13,600.00	12,759.00	21,477.00	13,025.85	43.56	130.71	99.064	-564.79	-1,405.19	2,052.02	1,900.02	151.99	13.501			
13,700.00	12,759.00	21,477.00	13,025.85	43.70	130.71	99.064	-564.79	-1,405.19	2,110.08	1,959.52	150.56	14.015			
13,800.00	12,759.00	21,477.00	13,025.85	43.86	130.71	99.064	-564.79	-1,405.19	2,171.20	2,022.15	149.05	14.567			
13,900.00	12,759.00	21,477.00	13,025.85	44.05	130.71	99.064	-564.79	-1,405.19	2,235.13	2,087.63	147.49	15.154			
14,000.00	12,759.00	21,477.00	13,025.85	44.28	130.71	99.064	-564.79	-1,405.19	2,301.62	2,155.71	145.91	15.774			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 512H - OH / 68637 - Surveys (H&P 625)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 124-MWD+HDCM													<b>Offset Well Error:</b> 1.00 usft
<b>Rule Assigned:</b>													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,759.00	21,477.00	13,025.85	44.57	130.71	99.064	-564.79	-1,405.19	2,370.47	2,226.15	144.32	16.425	
14,200.00	12,759.00	21,477.00	13,025.85	44.91	130.71	99.064	-564.79	-1,405.19	2,441.48	2,298.74	142.74	17.104	
14,300.00	12,759.00	21,477.00	13,025.85	45.32	130.71	99.064	-564.79	-1,405.19	2,514.45	2,373.27	141.18	17.810	
14,400.00	12,759.00	21,477.00	13,025.85	45.81	130.71	99.064	-564.79	-1,405.19	2,589.24	2,449.58	139.65	18.540	
14,500.00	12,759.00	21,477.00	13,025.85	46.40	130.71	99.064	-564.79	-1,405.19	2,665.68	2,527.51	138.16	19.294	
14,600.00	12,759.00	21,477.00	13,025.85	47.09	130.71	99.064	-564.79	-1,405.19	2,743.63	2,606.91	136.72	20.068	
14,700.00	12,759.00	21,477.00	13,025.85	47.88	130.71	99.064	-564.79	-1,405.19	2,822.97	2,687.65	135.32	20.862	
14,800.00	12,759.00	21,477.00	13,025.85	48.76	130.71	99.064	-564.79	-1,405.19	2,903.59	2,769.62	133.97	21.674	
14,900.00	12,759.00	21,477.00	13,025.85	49.72	130.71	99.064	-564.79	-1,405.19	2,985.38	2,852.71	132.67	22.502	
15,000.00	12,759.00	21,477.00	13,025.85	50.75	130.71	99.064	-564.79	-1,405.19	3,068.25	2,936.83	131.42	23.347	
15,100.00	12,759.00	21,477.00	13,025.85	51.84	130.71	99.064	-564.79	-1,405.19	3,152.12	3,021.89	130.23	24.205	
15,200.00	12,759.00	21,477.00	13,025.85	52.98	130.71	99.064	-564.79	-1,405.19	3,236.90	3,107.82	129.08	25.076	
15,300.00	12,759.00	21,477.00	13,025.85	54.15	130.71	99.064	-564.79	-1,405.19	3,322.53	3,194.54	127.99	25.959	
15,400.00	12,759.00	21,477.00	13,025.85	55.36	130.71	99.064	-564.79	-1,405.19	3,408.94	3,282.00	126.95	26.854	
15,500.00	12,759.00	21,477.00	13,025.85	56.60	130.71	99.064	-564.79	-1,405.19	3,496.08	3,370.13	125.95	27.758	
15,600.00	12,759.00	21,477.00	13,025.85	57.85	130.71	99.064	-564.79	-1,405.19	3,583.88	3,458.89	125.00	28.672	
15,700.00	12,759.00	21,477.00	13,025.85	59.13	130.71	99.064	-564.79	-1,405.19	3,672.32	3,548.22	124.09	29.594	
15,800.00	12,759.00	21,477.00	13,025.85	60.42	130.71	99.064	-564.79	-1,405.19	3,761.33	3,638.10	123.23	30.523	
15,900.00	12,759.00	21,477.00	13,025.85	61.72	130.71	99.064	-564.79	-1,405.19	3,850.88	3,728.47	122.41	31.460	
16,000.00	12,759.00	21,477.00	13,025.85	63.04	130.71	99.064	-564.79	-1,405.19	3,940.93	3,819.31	121.62	32.403	
16,100.00	12,759.00	21,477.00	13,025.85	64.36	130.71	99.064	-564.79	-1,405.19	4,031.45	3,910.57	120.88	33.352	
16,200.00	12,759.00	21,477.00	13,025.85	65.69	130.71	99.064	-564.79	-1,405.19	4,122.41	4,002.24	120.17	34.306	
16,300.00	12,759.00	21,477.00	13,025.85	67.03	130.71	99.064	-564.79	-1,405.19	4,213.78	4,094.29	119.49	35.265	
16,400.00	12,759.00	21,477.00	13,025.85	68.37	130.71	99.064	-564.79	-1,405.19	4,305.53	4,186.69	118.85	36.228	
16,500.00	12,759.00	21,477.00	13,025.85	69.73	130.71	99.064	-564.79	-1,405.19	4,397.64	4,279.41	118.23	37.195	
16,600.00	12,759.00	21,477.00	13,025.85	71.08	130.71	99.064	-564.79	-1,405.19	4,490.10	4,372.44	117.65	38.165	
16,700.00	12,759.00	21,477.00	13,025.85	72.44	130.71	99.064	-564.79	-1,405.19	4,582.86	4,465.77	117.10	39.138	
16,800.00	12,759.00	21,477.00	13,025.85	73.81	130.71	99.064	-564.79	-1,405.19	4,675.93	4,559.36	116.57	40.114	
16,900.00	12,759.00	21,477.00	13,025.85	75.18	130.71	99.064	-564.79	-1,405.19	4,769.27	4,653.21	116.06	41.091	
17,000.00	12,759.00	21,477.00	13,025.85	76.55	130.71	99.064	-564.79	-1,405.19	4,862.88	4,747.30	115.59	42.071	
17,100.00	12,759.00	21,477.00	13,025.85	77.92	130.71	99.064	-564.79	-1,405.19	4,956.74	4,841.61	115.13	43.053	
17,200.00	12,759.00	21,477.00	13,025.85	79.30	130.71	99.064	-564.79	-1,405.19	5,050.84	4,936.14	114.70	44.036	
17,300.00	12,759.00	21,477.00	13,025.85	80.68	130.71	99.064	-564.79	-1,405.19	5,145.16	5,030.87	114.29	45.020	
17,400.00	12,759.00	21,477.00	13,025.85	82.07	130.71	99.064	-564.79	-1,405.19	5,239.69	5,125.80	113.89	46.005	
17,500.00	12,759.00	21,477.00	13,025.85	83.45	130.71	99.064	-564.79	-1,405.19	5,334.42	5,220.90	113.52	46.991	
17,600.00	12,759.00	21,477.00	13,025.85	84.84	130.71	99.064	-564.79	-1,405.19	5,429.34	5,316.17	113.16	47.977	
17,700.00	12,759.00	21,477.00	13,025.85	86.23	130.71	99.064	-564.79	-1,405.19	5,524.43	5,411.61	112.83	48.964	
17,800.00	12,759.00	21,477.00	13,025.85	87.62	130.71	99.064	-564.79	-1,405.19	5,619.70	5,507.20	112.50	49.951	
17,900.00	12,759.00	21,477.00	13,025.85	89.01	130.71	99.064	-564.79	-1,405.19	5,715.13	5,602.93	112.20	50.937	
18,000.00	12,759.00	21,477.00	13,025.85	90.41	130.71	99.064	-564.79	-1,405.19	5,810.71	5,698.80	111.91	51.924	
18,100.00	12,759.00	21,477.00	13,025.85	91.80	130.71	99.064	-564.79	-1,405.19	5,906.44	5,794.81	111.63	52.910	
18,200.00	12,759.00	21,477.00	13,025.85	93.20	130.71	99.064	-564.79	-1,405.19	6,002.31	5,890.94	111.37	53.896	
18,300.00	12,759.00	21,477.00	13,025.85	94.60	130.71	99.064	-564.79	-1,405.19	6,098.31	5,987.19	111.12	54.881	
18,400.00	12,759.00	21,477.00	13,025.85	96.00	130.71	99.064	-564.79	-1,405.19	6,194.44	6,083.56	110.88	55.865	
18,500.00	12,759.00	21,477.00	13,025.85	97.40	130.71	99.064	-564.79	-1,405.19	6,290.69	6,180.03	110.66	56.849	
18,600.00	12,759.00	21,477.00	13,025.85	98.81	130.71	99.064	-564.79	-1,405.19	6,387.05	6,276.61	110.44	57.832	
18,700.00	12,759.00	21,477.00	13,025.85	100.21	130.71	99.064	-564.79	-1,405.19	6,483.52	6,373.28	110.24	58.813	
18,800.00	12,759.00	21,477.00	13,025.85	101.62	130.71	99.064	-564.79	-1,405.19	6,580.10	6,470.06	110.05	59.794	
18,900.00	12,759.00	21,477.00	13,025.85	103.02	130.71	99.064	-564.79	-1,405.19	6,676.78	6,566.92	109.86	60.773	
19,000.00	12,759.00	21,477.00	13,025.85	104.43	130.71	99.064	-564.79	-1,405.19	6,773.56	6,663.87	109.69	61.751	
19,100.00	12,759.00	21,477.00	13,025.85	105.84	130.71	99.064	-564.79	-1,405.19	6,870.43	6,760.90	109.53	62.727	
19,200.00	12,759.00	21,477.00	13,025.85	107.24	130.71	99.064	-564.79	-1,405.19	6,967.38	6,858.01	109.37	63.702	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 512H - OH / 68637 - Surveys (H&P 625)													Offset Site Error:	0.00 usft	
Survey Program:		124-MWD+HDGM					Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
19,300.00	12,759.00	21,477.00	13,025.85	108.65	130.71	99.064	-564.79	-1,405.19	7,064.43	6,955.20	109.23	64.676			
19,400.00	12,759.00	21,477.00	13,025.85	110.06	130.71	99.064	-564.79	-1,405.19	7,161.55	7,052.46	109.09	65.648			
19,500.00	12,759.00	21,477.00	13,025.85	111.47	130.71	99.064	-564.79	-1,405.19	7,258.75	7,149.79	108.96	66.618			
19,600.00	12,759.00	21,477.00	13,025.85	112.89	130.71	99.064	-564.79	-1,405.19	7,356.03	7,247.19	108.84	67.587			
19,700.00	12,759.00	21,477.00	13,025.85	114.30	130.71	99.064	-564.79	-1,405.19	7,453.38	7,344.65	108.72	68.554			
19,800.00	12,759.00	21,477.00	13,025.85	115.71	130.71	99.064	-564.79	-1,405.19	7,550.79	7,442.18	108.61	69.519			
19,900.00	12,759.00	21,477.00	13,025.85	117.12	130.71	99.064	-564.79	-1,405.19	7,648.28	7,539.76	108.51	70.482			
20,000.00	12,759.00	21,477.00	13,025.85	118.54	130.71	99.064	-564.79	-1,405.19	7,745.83	7,637.41	108.42	71.444			
20,100.00	12,759.00	21,477.00	13,025.85	119.95	130.71	99.064	-564.79	-1,405.19	7,843.44	7,735.11	108.33	72.403			
20,200.00	12,759.00	21,477.00	13,025.85	121.37	130.71	99.064	-564.79	-1,405.19	7,941.11	7,832.86	108.25	73.360			
20,300.00	12,759.00	21,477.00	13,025.85	122.78	130.71	99.064	-564.79	-1,405.19	8,038.83	7,930.66	108.17	74.316			
20,400.00	12,759.00	21,477.00	13,025.85	124.20	130.71	99.064	-564.79	-1,405.19	8,136.62	8,028.52	108.10	75.269			
20,500.00	12,759.00	21,477.00	13,025.85	125.61	130.71	99.064	-564.79	-1,405.19	8,234.45	8,126.42	108.04	76.220			
20,600.00	12,759.00	21,477.00	13,025.85	127.03	130.71	99.064	-564.79	-1,405.19	8,332.34	8,224.36	107.97	77.169			
20,700.00	12,759.00	21,477.00	13,025.85	128.45	130.71	99.064	-564.79	-1,405.19	8,430.28	8,322.36	107.92	78.116			
20,800.00	12,759.00	21,477.00	13,025.85	129.87	130.71	99.064	-564.79	-1,405.19	8,528.26	8,420.39	107.87	79.061			
20,900.00	12,759.00	21,477.00	13,025.85	131.29	130.71	99.064	-564.79	-1,405.19	8,626.29	8,518.47	107.82	80.003			
21,000.00	12,759.00	21,477.00	13,025.85	132.70	130.71	99.064	-564.79	-1,405.19	8,724.37	8,616.58	107.78	80.943			
21,100.00	12,759.00	21,477.00	13,025.85	134.12	130.71	99.064	-564.79	-1,405.19	8,822.48	8,714.74	107.75	81.881			
21,200.00	12,759.00	21,477.00	13,025.85	135.54	130.71	99.064	-564.79	-1,405.19	8,920.64	8,812.93	107.72	82.817			
21,300.00	12,759.00	21,477.00	13,025.85	136.96	130.71	99.064	-564.79	-1,405.19	9,018.85	8,911.16	107.69	83.750			
21,400.00	12,759.00	21,477.00	13,025.85	138.38	130.71	99.064	-564.79	-1,405.19	9,117.09	9,009.42	107.66	84.681			
21,500.00	12,759.00	21,477.00	13,025.85	139.80	130.71	99.064	-564.79	-1,405.19	9,215.36	9,107.72	107.64	85.610			
21,600.00	12,759.00	21,477.00	13,025.85	141.22	130.71	99.064	-564.79	-1,405.19	9,313.68	9,206.05	107.63	86.536			
21,700.00	12,759.00	21,477.00	13,025.85	142.65	130.71	99.064	-564.79	-1,405.19	9,412.03	9,304.41	107.62	87.459			
21,800.00	12,759.00	21,477.00	13,025.85	144.07	130.71	99.064	-564.79	-1,405.19	9,510.41	9,402.80	107.61	88.381			
21,900.00	12,759.00	21,477.00	13,025.85	145.49	130.71	99.064	-564.79	-1,405.19	9,608.83	9,501.23	107.60	89.300			
22,000.00	12,759.00	21,477.00	13,025.85	146.91	130.71	99.064	-564.79	-1,405.19	9,707.28	9,599.68	107.60	90.216			
22,100.00	12,759.00	21,477.00	13,025.85	148.33	130.71	99.064	-564.79	-1,405.19	9,805.76	9,698.16	107.60	91.130			
22,125.24	12,759.00	21,477.00	13,025.85	148.69	130.71	99.064	-564.79	-1,405.19	9,830.63	9,723.02	107.60	91.360			





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 513H - OH / 68705 - Surveys (H&P 656)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 188-MWD+HDCM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>													
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>	<b>Distance</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
0.00	0.00	38.30	-13.70	1.00	1.00	-0.778	7,906.30	-107.37	7,907.04				
100.00	100.00	111.94	59.94	1.08	1.02	-0.782	7,906.54	-107.92	7,907.38	7,905.28	2.10	3,767.152	
200.00	200.00	188.00	135.99	1.60	1.04	-0.790	7,907.04	-109.05	7,908.06	7,905.42	2.64	2,995.536	
300.00	300.00	258.55	206.52	2.01	1.14	-0.800	7,907.74	-110.43	7,909.07	7,905.92	3.15	2,512.338	
400.00	400.00	339.00	286.94	2.35	1.30	-0.813	7,908.82	-112.18	7,910.42	7,906.77	3.65	2,164.649	
500.00	500.00	1,235.00	1,181.46	2.65	4.09	-0.783	7,882.35	-107.71	7,912.48	7,905.77	6.72	1,177.870	
600.00	600.00	1,235.00	1,181.46	2.93	4.09	-0.783	7,882.35	-107.71	7,904.50	7,897.51	6.99	1,130.397	
700.00	700.00	1,317.12	1,263.26	3.18	4.38	-0.766	7,875.49	-105.30	7,896.31	7,888.78	7.53	1,049.155	
800.00	800.00	1,346.25	1,292.31	3.41	4.48	-0.761	7,873.55	-104.54	7,889.62	7,881.76	7.86	1,003.402	
900.00	900.00	1,425.00	1,370.94	3.64	4.76	-0.748	7,869.62	-102.70	7,884.36	7,876.01	8.36	943.449	
1,000.00	1,000.00	1,425.00	1,370.94	3.85	4.76	-0.748	7,869.62	-102.70	7,879.02	7,870.45	8.57	919.352	
1,100.00	1,100.00	1,425.00	1,370.94	4.05	4.76	-0.748	7,869.62	-102.70	7,874.95	7,866.17	8.77	897.575	
1,200.00	1,200.00	1,425.00	1,370.94	4.24	4.76	-0.748	7,869.62	-102.70	7,872.14	7,863.17	8.97	877.772	
1,300.00	1,300.00	1,425.00	1,370.94	4.43	4.76	-0.748	7,869.62	-102.70	7,870.61	7,861.45	9.16	859.675	
1,400.00	1,400.00	1,505.91	1,451.82	4.61	5.03	-0.738	7,867.82	-101.41	7,868.64	7,859.03	9.61	818.817	
1,468.65	1,468.65	1,522.74	1,468.65	4.73	5.09	-0.737	7,867.77	-101.25	7,868.42	7,858.63	9.79	804.000	
1,500.00	1,500.00	1,530.43	1,476.34	4.78	5.12	-0.737	7,867.78	-101.18	7,868.47	7,858.60	9.87	797.431	
1,600.00	1,599.98	1,614.00	1,559.89	4.98	5.40	-158.117	7,869.40	-100.99	7,871.77	7,861.44	10.33	762.014	
1,699.91	1,699.74	1,614.00	1,559.89	5.60	5.40	-158.072	7,869.40	-100.99	7,877.76	7,866.88	10.88	723.841	
1,800.00	1,799.59	1,614.00	1,559.89	5.91	5.40	-158.072	7,869.40	-100.99	7,886.64	7,875.47	11.17	706.294	
1,900.00	1,899.35	1,683.11	1,628.95	6.08	5.63	-158.087	7,871.81	-101.18	7,896.51	7,884.95	11.56	682.988	
2,000.00	1,999.11	1,802.24	1,748.02	6.27	6.03	-158.110	7,875.74	-101.41	7,906.28	7,894.13	12.14	651.056	
2,100.00	2,098.86	1,803.00	1,748.78	6.47	6.03	-158.111	7,875.76	-101.41	7,916.53	7,904.20	12.33	641.920	
2,200.00	2,198.62	1,888.74	1,834.45	6.68	6.32	-158.129	7,879.09	-101.81	7,926.96	7,914.13	12.83	617.909	
2,300.00	2,298.38	1,931.63	1,877.29	6.91	6.47	-158.140	7,881.21	-102.22	7,938.37	7,925.18	13.19	602.020	
2,400.00	2,398.13	1,992.00	1,937.55	7.15	6.67	-158.157	7,884.70	-103.03	7,950.53	7,936.91	13.61	583.969	
2,500.00	2,497.89	2,078.36	2,023.74	7.41	6.97	-158.183	7,889.97	-104.41	7,963.07	7,948.93	14.15	562.914	
2,600.00	2,597.65	2,213.13	2,158.28	7.67	7.43	-158.224	7,897.60	-106.68	7,975.21	7,960.35	14.86	536.711	
2,700.00	2,697.40	2,319.25	2,264.22	7.94	7.80	-158.253	7,903.38	-108.14	7,987.13	7,971.65	15.48	515.944	
2,800.00	2,797.16	2,431.19	2,376.00	8.21	8.19	-158.281	7,909.36	-109.20	7,998.95	7,982.82	16.13	495.886	
2,900.00	2,896.92	2,536.11	2,480.78	8.50	8.56	-158.306	7,914.81	-110.03	8,010.62	7,993.86	16.76	477.864	
3,000.00	2,996.67	2,635.76	2,580.29	8.79	8.91	-158.328	7,919.98	-110.59	8,022.28	8,004.90	17.38	461.503	
3,100.00	3,096.43	2,724.77	2,669.18	9.08	9.22	-158.345	7,924.64	-110.74	8,033.98	8,016.01	17.97	447.078	
3,200.00	3,196.19	2,811.23	2,755.51	9.38	9.52	-158.356	7,929.32	-110.23	8,045.85	8,027.29	18.55	433.681	
3,300.00	3,295.94	2,900.93	2,845.07	9.69	9.84	-158.364	7,934.31	-109.08	8,057.85	8,038.70	19.15	420.750	
3,400.00	3,395.70	2,992.60	2,936.58	10.00	10.16	-158.369	7,939.52	-107.56	8,069.96	8,050.20	19.76	408.377	
3,500.00	3,495.46	3,033.00	2,976.90	10.31	10.30	-158.371	7,941.84	-106.78	8,082.33	8,062.15	20.19	400.391	
3,600.00	3,595.21	3,125.64	3,069.35	10.63	10.63	-158.378	7,947.53	-105.52	8,094.93	8,074.12	20.81	389.045	
3,700.00	3,694.97	3,222.00	3,165.49	10.95	10.97	-158.394	7,954.17	-105.45	8,108.27	8,086.82	21.45	378.087	
3,800.00	3,794.73	3,222.00	3,165.49	11.27	10.97	-158.394	7,954.17	-105.45	8,121.87	8,100.14	21.73	373.809	
3,900.00	3,894.48	3,319.38	3,262.59	11.60	11.32	-158.413	7,961.50	-105.70	8,135.85	8,113.48	22.38	363.607	
4,000.00	3,994.24	3,411.00	3,353.91	11.93	11.65	-158.426	7,968.83	-105.31	8,150.28	8,127.28	23.00	354.296	
4,100.00	4,094.00	3,459.56	3,402.30	12.26	11.83	-158.431	7,972.89	-104.85	8,164.98	8,141.51	23.47	347.852	
4,200.00	4,193.75	3,528.29	3,470.76	12.59	12.07	-158.436	7,978.86	-103.90	8,180.08	8,156.06	24.02	340.575	
4,300.00	4,293.51	4,345.56	4,286.73	12.93	14.96	-158.560	8,013.15	-101.32	8,188.79	8,161.47	27.32	299.784	
4,400.00	4,393.27	4,422.81	4,363.95	13.26	15.23	-158.588	8,013.26	-103.37	8,195.49	8,167.59	27.90	293.738	
4,500.00	4,493.02	4,498.37	4,439.48	13.60	15.49	-158.616	8,013.60	-105.42	8,202.49	8,174.01	28.48	287.994	
4,600.00	4,592.78	4,576.97	4,518.06	13.94	15.77	-158.644	8,014.18	-107.52	8,209.78	8,180.70	29.08	282.363	
4,700.00	4,692.54	4,673.52	4,614.59	14.28	16.11	-158.672	8,015.10	-109.03	8,217.26	8,187.52	29.74	276.341	
4,800.00	4,792.29	4,809.34	4,750.41	14.62	16.58	-158.699	8,016.08	-109.51	8,224.48	8,193.94	30.54	269.318	
4,900.00	4,892.05	21,195.00	13,036.95	14.97	127.42	175.103	-289.50	73.91	8,145.28	8,067.19	78.09	104.310	
5,000.00	4,991.81	21,195.00	13,036.95	15.31	127.42	175.103	-289.50	73.91	8,045.47	7,967.22	78.25	102.813	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 513H - OH / 68705 - Surveys (H&P 656)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 188-MWD+HDGM							<b>Rule Assigned:</b>						<b>Offset Well Error:</b> 1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,091.56	21,195.00	13,036.95	15.66	127.42	175.103	-289.50	73.91	7,945.67	7,867.25	78.42	101.320	
5,200.00	5,191.32	21,195.00	13,036.95	16.00	127.42	175.103	-289.50	73.91	7,845.87	7,767.28	78.59	99.829	
5,300.00	5,291.08	21,195.00	13,036.95	16.35	127.42	175.103	-289.50	73.91	7,746.08	7,667.32	78.77	98.342	
5,400.00	5,390.83	21,230.13	13,036.36	16.70	127.89	173.290	-324.59	75.32	7,645.99	7,566.78	79.21	96.524	
5,500.00	5,490.59	21,231.58	13,036.34	17.05	127.91	173.212	-326.05	75.39	7,546.18	7,466.78	79.40	95.036	
5,600.00	5,590.35	21,233.07	13,036.33	17.40	127.93	173.131	-327.53	75.47	7,446.38	7,366.78	79.60	93.551	
5,700.00	5,690.10	21,234.59	13,036.32	17.75	127.95	173.048	-329.05	75.54	7,346.58	7,266.79	79.79	92.070	
5,800.00	5,789.86	21,236.14	13,036.30	18.10	127.97	172.963	-330.59	75.62	7,246.79	7,166.80	79.99	90.594	
5,900.00	5,889.62	21,237.72	13,036.29	18.46	127.99	172.876	-332.17	75.71	7,147.00	7,066.80	80.19	89.121	
6,000.00	5,989.37	21,239.33	13,036.28	18.81	128.02	172.786	-333.78	75.79	7,047.21	6,966.81	80.40	87.653	
6,100.00	6,089.13	21,240.98	13,036.27	19.16	128.04	172.695	-335.43	75.88	6,947.43	6,866.83	80.61	86.189	
6,200.00	6,188.89	21,242.67	13,036.26	19.52	128.06	172.601	-337.11	75.97	6,847.66	6,766.84	80.82	84.729	
6,300.00	6,288.64	21,244.39	13,036.25	19.87	128.08	172.504	-338.83	76.07	6,747.89	6,666.86	81.03	83.274	
6,400.00	6,388.40	21,246.15	13,036.24	20.22	128.11	172.404	-340.59	76.17	6,648.12	6,566.87	81.25	81.824	
6,500.00	6,488.16	21,247.95	13,036.23	20.58	128.13	172.302	-342.39	76.27	6,548.36	6,466.90	81.47	80.378	
6,600.00	6,587.91	21,249.79	13,036.23	20.94	128.16	172.197	-344.23	76.38	6,448.61	6,366.92	81.69	78.938	
6,700.00	6,687.67	21,251.68	13,036.22	21.29	128.18	172.089	-346.11	76.49	6,348.86	6,266.95	81.92	77.502	
6,800.00	6,787.43	21,253.60	13,036.22	21.65	128.21	171.978	-348.03	76.61	6,249.12	6,166.97	82.15	76.071	
6,900.00	6,887.18	21,255.58	13,036.22	22.01	128.24	171.864	-350.00	76.73	6,149.39	6,067.01	82.38	74.646	
7,000.00	6,986.94	21,289.00	13,036.40	22.36	128.69	169.819	-383.34	79.08	6,049.92	5,967.06	82.86	73.014	
7,100.00	7,086.70	21,289.00	13,036.40	22.72	128.69	169.819	-383.34	79.08	5,950.17	5,867.09	83.08	71.617	
7,200.00	7,186.45	21,289.00	13,036.40	23.08	128.69	169.819	-383.34	79.08	5,850.42	5,767.11	83.31	70.226	
7,300.00	7,286.21	21,289.00	13,036.40	23.44	128.69	169.819	-383.34	79.08	5,750.69	5,667.15	83.54	68.840	
7,400.00	7,385.97	21,289.00	13,036.40	23.80	128.69	169.819	-383.34	79.08	5,650.96	5,567.19	83.77	67.459	
7,500.00	7,485.72	21,289.00	13,036.40	24.16	128.69	169.819	-383.34	79.08	5,551.24	5,467.24	84.00	66.083	
7,600.00	7,585.48	21,289.00	13,036.40	24.52	128.69	169.819	-383.34	79.08	5,451.53	5,367.29	84.24	64.714	
7,700.00	7,685.24	21,289.00	13,036.40	24.88	128.69	169.819	-383.34	79.08	5,351.84	5,267.36	84.48	63.349	
7,800.00	7,784.99	21,289.00	13,036.40	25.24	128.69	169.819	-383.34	79.08	5,252.15	5,167.43	84.72	61.991	
7,900.00	7,884.75	21,289.00	13,036.40	25.60	128.69	169.819	-383.34	79.08	5,152.48	5,067.51	84.97	60.639	
8,000.00	7,984.51	21,289.00	13,036.40	25.96	128.69	169.819	-383.34	79.08	5,052.82	4,967.60	85.22	59.292	
8,100.00	8,084.26	21,289.00	13,036.40	26.32	128.69	169.819	-383.34	79.08	4,953.17	4,867.70	85.47	57.951	
8,200.00	8,184.02	21,289.00	13,036.40	26.68	128.69	169.819	-383.34	79.08	4,853.54	4,767.82	85.73	56.617	
8,300.00	8,283.78	21,289.26	13,036.40	27.04	128.69	169.802	-383.60	79.10	4,753.93	4,667.94	85.99	55.287	
8,400.00	8,383.53	21,309.32	13,036.61	27.40	128.96	168.455	-403.60	80.70	4,654.31	4,567.91	86.40	53.866	
8,500.00	8,483.29	21,328.14	13,036.76	27.76	129.22	167.087	-422.35	82.26	4,554.68	4,467.86	86.82	52.463	
8,600.00	8,583.05	21,345.81	13,036.86	28.12	129.46	165.700	-439.95	83.76	4,455.03	4,367.81	87.22	51.076	
8,700.00	8,682.80	21,362.44	13,036.91	28.48	129.69	164.295	-456.52	85.22	4,355.38	4,267.75	87.62	49.705	
8,800.00	8,782.56	21,378.12	13,036.93	28.85	129.90	162.870	-472.14	86.62	4,255.71	4,167.69	88.02	48.348	
8,900.00	8,882.32	21,392.93	13,036.92	29.21	130.10	161.428	-486.88	87.98	4,156.03	4,067.62	88.42	47.005	
9,000.00	8,982.07	21,369.14	13,036.85	29.57	129.78	163.709	-463.19	85.89	4,056.36	3,967.85	88.51	45.830	
9,100.00	9,081.83	21,401.23	13,036.92	29.93	130.21	160.572	-495.15	88.73	3,956.71	3,867.66	89.05	44.434	
9,200.00	9,181.59	21,407.83	13,036.92	30.30	130.30	159.866	-501.73	89.34	3,857.05	3,767.66	89.39	43.150	
9,300.00	9,281.34	21,414.44	13,036.91	30.66	130.39	159.138	-508.30	89.94	3,757.40	3,667.67	89.73	41.875	
9,400.00	9,381.10	21,421.04	13,036.91	31.02	130.48	158.385	-514.88	90.55	3,657.75	3,567.68	90.08	40.607	
9,500.00	9,480.86	21,427.64	13,036.91	31.39	130.57	157.606	-521.45	91.15	3,558.12	3,467.69	90.43	39.348	
9,600.00	9,580.61	21,434.24	13,036.90	31.75	130.66	156.802	-528.03	91.75	3,458.49	3,367.71	90.78	38.097	
9,700.00	9,680.37	21,440.85	13,036.90	32.11	130.75	155.970	-534.60	92.36	3,358.87	3,267.73	91.14	36.854	
9,800.00	9,780.13	21,447.45	13,036.90	32.48	130.84	155.109	-541.18	92.96	3,259.27	3,167.76	91.50	35.619	
9,900.00	9,879.88	21,454.05	13,036.89	32.84	130.93	154.220	-547.75	93.57	3,159.67	3,067.80	91.87	34.393	
10,000.00	9,979.64	21,460.65	13,036.89	33.20	131.02	153.300	-554.33	94.17	3,060.09	2,967.84	92.24	33.174	
10,100.00	10,079.39	21,467.26	13,036.89	33.57	131.11	152.348	-560.90	94.78	2,960.51	2,867.90	92.62	31.965	
10,200.00	10,179.15	21,473.86	13,036.88	33.93	131.20	151.364	-567.48	95.38	2,860.96	2,767.96	93.00	30.763	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - 513H - OH / 68705 - Surveys (H&P 656)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 188-MWD+HDGM													<b>Offset Well Error:</b> 1.00 usft
<b>Rule Assigned:</b>													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	10,278.91	21,474.00	13,036.88	34.29	131.20	151.343	-567.62	95.39	2,761.42	2,668.09	93.33	29.586	
10,400.00	10,378.86	21,474.00	13,036.88	34.66	131.20	151.343	-567.62	95.39	2,661.93	2,568.25	93.67	28.417	
10,500.00	10,478.42	21,474.00	13,036.88	35.02	131.20	151.343	-567.62	95.39	2,562.47	2,468.45	94.02	27.255	
10,600.00	10,578.18	21,474.00	13,036.88	35.39	131.20	151.343	-567.62	95.39	2,463.05	2,368.68	94.37	26.100	
10,700.00	10,677.93	21,474.00	13,036.88	35.75	131.20	151.343	-567.62	95.39	2,363.69	2,268.96	94.73	24.952	
10,800.00	10,777.69	21,474.00	13,036.88	36.12	131.20	151.343	-567.62	95.39	2,264.38	2,169.28	95.10	23.811	
10,900.00	10,877.45	21,474.00	13,036.88	36.48	131.20	151.343	-567.62	95.39	2,165.13	2,069.66	95.47	22.678	
11,000.00	10,977.20	21,474.00	13,036.88	36.85	131.20	151.343	-567.62	95.39	2,065.96	1,970.10	95.86	21.552	
11,100.00	11,076.96	21,474.00	13,036.88	37.21	131.20	151.343	-567.62	95.39	1,966.87	1,870.61	96.26	20.433	
11,200.00	11,176.72	21,474.00	13,036.88	37.57	131.20	151.343	-567.62	95.39	1,867.88	1,771.20	96.67	19.322	
11,300.00	11,276.47	21,474.00	13,036.88	37.94	131.20	151.343	-567.62	95.39	1,769.00	1,671.89	97.10	18.218	
11,400.00	11,376.23	21,474.00	13,036.88	38.30	131.20	151.343	-567.62	95.39	1,670.25	1,572.69	97.56	17.121	
11,500.00	11,475.99	21,474.00	13,036.88	38.67	131.20	151.343	-567.62	95.39	1,571.66	1,473.63	98.03	16.032	
11,510.34	11,486.30	21,474.00	13,036.88	38.71	131.20	151.343	-567.62	95.39	1,561.48	1,463.40	98.08	15.920	
11,600.00	11,575.83	21,474.00	13,036.88	39.02	131.20	145.772	-567.62	95.39	1,473.05	1,374.52	98.54	14.949	
11,700.00	11,675.80	21,474.00	13,036.88	39.33	131.20	137.525	-567.62	95.39	1,374.16	1,275.10	99.06	13.872	
11,710.24	11,686.04	21,474.00	13,036.88	39.34	131.20	-66.073	-567.62	95.39	1,364.02	1,264.90	99.12	13.762	
11,800.00	11,775.80	21,474.00	13,036.88	39.34	131.20	-66.073	-567.62	95.39	1,275.19	1,175.58	99.61	12.801	
11,900.00	11,875.80	21,474.00	13,036.88	39.35	131.20	-66.073	-567.62	95.39	1,176.39	1,076.17	100.22	11.738	
12,000.00	11,975.80	21,474.00	13,036.88	39.35	131.20	-66.073	-567.62	95.39	1,077.81	976.92	100.89	10.683	
12,100.00	12,075.80	21,474.00	13,036.88	39.36	131.20	-66.073	-567.62	95.39	979.52	877.86	101.66	9.635	
12,200.00	12,175.80	21,474.00	13,036.88	39.36	131.20	-66.073	-567.62	95.39	881.62	779.04	102.58	8.595	
12,210.24	12,186.04	21,474.00	13,036.88	39.36	131.20	-66.073	-567.62	95.39	871.62	768.94	102.68	8.489	
12,250.00	12,225.77	21,474.00	13,036.88	39.43	131.20	128.267	-567.62	95.39	833.01	729.91	103.10	8.079	
12,300.00	12,275.43	21,474.00	13,036.88	39.69	131.20	139.719	-567.62	95.39	785.33	681.64	103.69	7.574	
12,350.00	12,324.42	21,474.00	13,036.88	39.98	131.20	146.948	-567.62	95.39	739.15	634.82	104.33	7.085	
12,400.00	12,372.35	21,474.00	13,036.88	40.29	131.20	151.693	-567.62	95.39	695.15	590.11	105.04	6.618	
12,450.00	12,418.86	21,474.00	13,036.88	40.60	131.20	154.923	-567.62	95.39	654.16	548.35	105.81	6.182	
12,500.00	12,463.61	21,474.00	13,036.88	40.91	131.20	157.173	-567.62	95.39	617.10	510.48	106.62	5.788	
12,550.00	12,506.24	21,474.00	13,036.88	41.22	131.20	158.748	-567.62	95.39	585.04	477.62	107.42	5.446	
12,600.00	12,546.43	21,474.00	13,036.88	41.50	131.20	159.825	-567.62	95.39	559.09	450.96	108.14	5.170	
12,650.00	12,583.88	21,474.00	13,036.88	41.78	131.20	160.514	-567.62	95.39	540.36	431.71	108.65	4.974	
12,700.00	12,618.30	21,474.00	13,036.88	42.03	131.20	160.874	-567.62	95.39	529.74	420.91	108.83	4.868	
12,735.88	12,640.99	21,474.00	13,036.88	42.20	131.20	160.949	-567.62	95.39	527.46	418.75	108.71	4.852 CC, ES, SF	
12,750.00	12,649.43	21,474.00	13,036.88	42.27	131.20	160.938	-567.62	95.39	527.81	419.21	108.60	4.860	
12,800.00	12,677.04	21,474.00	13,036.88	42.47	131.20	160.709	-567.62	95.39	534.69	426.75	107.94	4.954	
12,850.00	12,700.91	21,474.00	13,036.88	42.66	131.20	160.169	-567.62	95.39	549.98	443.06	106.92	5.144	
12,900.00	12,720.86	21,474.00	13,036.88	42.81	131.20	159.271	-567.62	95.39	572.92	467.24	105.68	5.421	
12,950.00	12,736.74	21,474.00	13,036.88	42.94	131.20	157.930	-567.62	95.39	602.45	498.11	104.34	5.774	
13,000.00	12,748.43	21,474.00	13,036.88	43.04	131.20	156.002	-567.62	95.39	637.47	534.45	103.02	6.188	
13,050.00	12,755.84	21,474.00	13,036.88	43.11	131.20	153.248	-567.62	95.39	676.87	575.08	101.79	6.649	
13,100.00	12,758.91	21,474.00	13,036.88	43.15	131.20	149.251	-567.62	95.39	719.66	618.97	100.69	7.147	
13,110.24	12,759.00	21,474.00	13,036.88	43.16	131.20	148.219	-567.62	95.39	728.77	628.29	100.48	7.253	
13,200.00	12,759.00	21,474.00	13,036.88	43.21	131.20	148.219	-567.62	95.39	809.99	711.13	98.86	8.194	
13,300.00	12,759.00	21,474.00	13,036.88	43.28	131.20	148.219	-567.62	95.39	902.39	804.90	97.48	9.257	
13,400.00	12,759.00	21,474.00	13,036.88	43.36	131.20	148.219	-567.62	95.39	996.25	899.81	96.44	10.330	
13,500.00	12,759.00	21,474.00	13,036.88	43.45	131.20	148.219	-567.62	95.39	1,091.21	995.56	95.65	11.408	
13,600.00	12,759.00	21,474.00	13,036.88	43.56	131.20	148.219	-567.62	95.39	1,187.00	1,091.96	95.04	12.490	
13,700.00	12,759.00	21,474.00	13,036.88	43.70	131.20	148.219	-567.62	95.39	1,283.42	1,188.87	94.55	13.573	
13,800.00	12,759.00	21,474.00	13,036.88	43.86	131.20	148.219	-567.62	95.39	1,380.36	1,286.19	94.17	14.658	
13,900.00	12,759.00	21,474.00	13,036.88	44.05	131.20	148.219	-567.62	95.39	1,477.71	1,383.84	93.87	15.742	
14,000.00	12,759.00	21,474.00	13,036.88	44.28	131.20	148.219	-567.62	95.39	1,575.38	1,481.76	93.63	16.826	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 513H - OH / 68705 - Surveys (H&P 656)													Offset Site Error:	0.00 usft
Survey Program:		188-MWD+HDGM				Rule Assigned:				Offset Well Error:		1.00 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	12,759.00	21,474.00	13,036.88	44.57	131.20	148.219	-567.62	95.39	1,673.34	1,579.90	93.43	17.910		
14,200.00	12,759.00	21,474.00	13,036.88	44.91	131.20	148.219	-567.62	95.39	1,771.52	1,678.24	93.27	18.993		
14,300.00	12,759.00	21,474.00	13,036.88	45.32	131.20	148.219	-567.62	95.39	1,869.89	1,776.75	93.15	20.075		
14,400.00	12,759.00	21,474.00	13,036.88	45.81	131.20	148.219	-567.62	95.39	1,968.43	1,875.39	93.04	21.156		
14,500.00	12,759.00	21,474.00	13,036.88	46.40	131.20	148.219	-567.62	95.39	2,067.11	1,974.15	92.96	22.236		
14,600.00	12,759.00	21,474.00	13,036.88	47.09	131.20	148.219	-567.62	95.39	2,165.91	2,073.01	92.90	23.316		
14,700.00	12,759.00	21,474.00	13,036.88	47.88	131.20	148.219	-567.62	95.39	2,264.81	2,171.97	92.84	24.394		
14,800.00	12,759.00	21,474.00	13,036.88	48.76	131.20	148.219	-567.62	95.39	2,363.81	2,271.00	92.81	25.471		
14,900.00	12,759.00	21,474.00	13,036.88	49.72	131.20	148.219	-567.62	95.39	2,462.89	2,370.11	92.78	26.546		
15,000.00	12,759.00	21,474.00	13,036.88	50.75	131.20	148.219	-567.62	95.39	2,562.04	2,469.28	92.76	27.621		
15,100.00	12,759.00	21,474.00	13,036.88	51.84	131.20	148.219	-567.62	95.39	2,661.25	2,568.50	92.75	28.694		
15,200.00	12,759.00	21,474.00	13,036.88	52.98	131.20	148.219	-567.62	95.39	2,760.52	2,667.78	92.74	29.766		
15,300.00	12,759.00	21,474.00	13,036.88	54.15	131.20	148.219	-567.62	95.39	2,859.84	2,767.10	92.74	30.836		
15,400.00	12,759.00	21,474.00	13,036.88	55.36	131.20	148.219	-567.62	95.39	2,959.21	2,866.46	92.75	31.906		
15,500.00	12,759.00	21,474.00	13,036.88	56.60	131.20	148.219	-567.62	95.39	3,058.61	2,965.85	92.76	32.973		
15,600.00	12,759.00	21,474.00	13,036.88	57.85	131.20	148.219	-567.62	95.39	3,158.06	3,065.28	92.78	34.040		
15,700.00	12,759.00	21,474.00	13,036.88	59.13	131.20	148.219	-567.62	95.39	3,257.54	3,164.74	92.80	35.104		
15,800.00	12,759.00	21,474.00	13,036.88	60.42	131.20	148.219	-567.62	95.39	3,357.05	3,264.23	92.82	36.168		
15,900.00	12,759.00	21,474.00	13,036.88	61.72	131.20	148.219	-567.62	95.39	3,456.59	3,363.74	92.85	37.229		
16,000.00	12,759.00	21,474.00	13,036.88	63.04	131.20	148.219	-567.62	95.39	3,556.15	3,463.28	92.88	38.289		
16,100.00	12,759.00	21,474.00	13,036.88	64.36	131.20	148.219	-567.62	95.39	3,655.74	3,562.83	92.91	39.348		
16,200.00	12,759.00	21,474.00	13,036.88	65.69	131.20	148.219	-567.62	95.39	3,755.35	3,662.41	92.94	40.404		
16,300.00	12,759.00	21,474.00	13,036.88	67.03	131.20	148.219	-567.62	95.39	3,854.98	3,762.00	92.98	41.460		
16,400.00	12,759.00	21,474.00	13,036.88	68.37	131.20	148.219	-567.62	95.39	3,954.63	3,861.61	93.02	42.513		
16,500.00	12,759.00	21,474.00	13,036.88	69.73	131.20	148.219	-567.62	95.39	4,054.30	3,961.23	93.06	43.565		
16,600.00	12,759.00	21,474.00	13,036.88	71.08	131.20	148.219	-567.62	95.39	4,153.98	4,060.87	93.11	44.614		
16,700.00	12,759.00	21,474.00	13,036.88	72.44	131.20	148.219	-567.62	95.39	4,253.68	4,160.52	93.15	45.662		
16,800.00	12,759.00	21,474.00	13,036.88	73.81	131.20	148.219	-567.62	95.39	4,353.39	4,260.18	93.20	46.709		
16,900.00	12,759.00	21,474.00	13,036.88	75.18	131.20	148.219	-567.62	95.39	4,453.11	4,359.86	93.25	47.753		
17,000.00	12,759.00	21,474.00	13,036.88	76.55	131.20	148.219	-567.62	95.39	4,552.85	4,459.54	93.31	48.795		
17,100.00	12,759.00	21,474.00	13,036.88	77.92	131.20	148.219	-567.62	95.39	4,652.59	4,559.24	93.36	49.836		
17,200.00	12,759.00	21,474.00	13,036.88	79.30	131.20	148.219	-567.62	95.39	4,752.35	4,658.94	93.41	50.874		
17,300.00	12,759.00	21,474.00	13,036.88	80.68	131.20	148.219	-567.62	95.39	4,852.12	4,758.65	93.47	51.911		
17,400.00	12,759.00	21,474.00	13,036.88	82.07	131.20	148.219	-567.62	95.39	4,951.90	4,858.37	93.53	52.945		
17,500.00	12,759.00	21,474.00	13,036.88	83.45	131.20	148.219	-567.62	95.39	5,051.68	4,958.10	93.59	53.978		
17,600.00	12,759.00	21,474.00	13,036.88	84.84	131.20	148.219	-567.62	95.39	5,151.48	5,057.83	93.65	55.008		
17,700.00	12,759.00	21,474.00	13,036.88	86.23	131.20	148.219	-567.62	95.39	5,251.28	5,157.57	93.71	56.036		
17,800.00	12,759.00	21,474.00	13,036.88	87.62	131.20	148.219	-567.62	95.39	5,351.09	5,257.31	93.78	57.063		
17,900.00	12,759.00	21,474.00	13,036.88	89.01	131.20	148.219	-567.62	95.39	5,450.91	5,357.07	93.84	58.087		
18,000.00	12,759.00	21,474.00	13,036.88	90.41	131.20	148.219	-567.62	95.39	5,550.73	5,456.82	93.91	59.108		
18,100.00	12,759.00	21,474.00	13,036.88	91.80	131.20	148.219	-567.62	95.39	5,650.56	5,556.58	93.98	60.128		
18,200.00	12,759.00	21,474.00	13,036.88	93.20	131.20	148.219	-567.62	95.39	5,750.39	5,656.35	94.04	61.146		
18,300.00	12,759.00	21,474.00	13,036.88	94.60	131.20	148.219	-567.62	95.39	5,850.24	5,756.12	94.11	62.161		
18,400.00	12,759.00	21,474.00	13,036.88	96.00	131.20	148.219	-567.62	95.39	5,950.08	5,855.90	94.19	63.174		
18,500.00	12,759.00	21,474.00	13,036.88	97.40	131.20	148.219	-567.62	95.39	6,049.93	5,955.68	94.26	64.184		
18,600.00	12,759.00	21,474.00	13,036.88	98.81	131.20	148.219	-567.62	95.39	6,149.79	6,055.46	94.33	65.193		
18,700.00	12,759.00	21,474.00	13,036.88	100.21	131.20	148.219	-567.62	95.39	6,249.65	6,155.24	94.41	66.199		
18,800.00	12,759.00	21,474.00	13,036.88	101.62	131.20	148.219	-567.62	95.39	6,349.52	6,255.03	94.48	67.202		
18,900.00	12,759.00	21,474.00	13,036.88	103.02	131.20	148.219	-567.62	95.39	6,449.39	6,354.82	94.56	68.203		
19,000.00	12,759.00	21,474.00	13,036.88	104.43	131.20	148.219	-567.62	95.39	6,549.26	6,454.62	94.64	69.202		
19,100.00	12,759.00	21,474.00	13,036.88	105.84	131.20	148.219	-567.62	95.39	6,649.14	6,554.42	94.72	70.199		
19,200.00	12,759.00	21,474.00	13,036.88	107.24	131.20	148.219	-567.62	95.39	6,749.02	6,654.22	94.80	71.193		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - 513H - OH / 68705 - Surveys (H&P 656)												Offset Site Error:	0.00 usft
Survey Program:		188-MWD+HDGM		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.00	12,759.00	21,474.00	13,036.88	108.65	131.20	148.219	-567.62	95.39	6,848.90	6,754.02	94.88	72.184	
19,400.00	12,759.00	21,474.00	13,036.88	110.06	131.20	148.219	-567.62	95.39	6,948.79	6,853.83	94.96	73.173	
19,500.00	12,759.00	21,474.00	13,036.88	111.47	131.20	148.219	-567.62	95.39	7,048.68	6,953.63	95.05	74.160	
19,600.00	12,759.00	21,474.00	13,036.88	112.89	131.20	148.219	-567.62	95.39	7,148.57	7,053.44	95.13	75.144	
19,700.00	12,759.00	21,474.00	13,036.88	114.30	131.20	148.219	-567.62	95.39	7,248.47	7,153.25	95.22	76.125	
19,800.00	12,759.00	21,474.00	13,036.88	115.71	131.20	148.219	-567.62	95.39	7,348.37	7,253.07	95.30	77.104	
19,900.00	12,759.00	21,474.00	13,036.88	117.12	131.20	148.219	-567.62	95.39	7,448.27	7,352.88	95.39	78.080	
20,000.00	12,759.00	21,474.00	13,036.88	118.54	131.20	148.219	-567.62	95.39	7,548.18	7,452.70	95.48	79.054	
20,100.00	12,759.00	21,474.00	13,036.88	119.95	131.20	148.219	-567.62	95.39	7,648.09	7,552.51	95.57	80.025	
20,200.00	12,759.00	21,474.00	13,036.88	121.37	131.20	148.219	-567.62	95.39	7,748.00	7,652.33	95.66	80.994	
20,300.00	12,759.00	21,474.00	13,036.88	122.78	131.20	148.219	-567.62	95.39	7,847.91	7,752.15	95.75	81.959	
20,400.00	12,759.00	21,474.00	13,036.88	124.20	131.20	148.219	-567.62	95.39	7,947.82	7,851.98	95.85	82.923	
20,500.00	12,759.00	21,474.00	13,036.88	125.61	131.20	148.219	-567.62	95.39	8,047.74	7,951.80	95.94	83.883	
20,600.00	12,759.00	21,474.00	13,036.88	127.03	131.20	148.219	-567.62	95.39	8,147.66	8,051.62	96.03	84.841	
20,700.00	12,759.00	21,474.00	13,036.88	128.45	131.20	148.219	-567.62	95.39	8,247.58	8,151.45	96.13	85.796	
20,800.00	12,759.00	21,474.00	13,036.88	129.87	131.20	148.219	-567.62	95.39	8,347.50	8,251.27	96.23	86.749	
20,900.00	12,759.00	21,474.00	13,036.88	131.29	131.20	148.219	-567.62	95.39	8,447.42	8,351.10	96.32	87.699	
21,000.00	12,759.00	21,474.00	13,036.88	132.70	131.20	148.219	-567.62	95.39	8,547.35	8,450.93	96.42	88.646	
21,100.00	12,759.00	21,474.00	13,036.88	134.12	131.20	148.219	-567.62	95.39	8,647.28	8,550.76	96.52	89.590	
21,200.00	12,759.00	21,474.00	13,036.88	135.54	131.20	148.219	-567.62	95.39	8,747.21	8,650.59	96.62	90.531	
21,300.00	12,759.00	21,474.00	13,036.88	136.96	131.20	148.219	-567.62	95.39	8,847.14	8,750.42	96.72	91.470	
21,400.00	12,759.00	21,474.00	13,036.88	138.38	131.20	148.219	-567.62	95.39	8,947.07	8,850.25	96.82	92.406	
21,500.00	12,759.00	21,474.00	13,036.88	139.80	131.20	148.219	-567.62	95.39	9,047.00	8,950.08	96.93	93.339	
21,600.00	12,759.00	21,474.00	13,036.88	141.22	131.20	148.219	-567.62	95.39	9,146.94	9,049.91	97.03	94.270	
21,700.00	12,759.00	21,474.00	13,036.88	142.65	131.20	148.219	-567.62	95.39	9,246.88	9,149.74	97.13	95.197	
21,800.00	12,759.00	21,474.00	13,036.88	144.07	131.20	148.219	-567.62	95.39	9,346.81	9,249.58	97.24	96.122	
21,900.00	12,759.00	21,474.00	13,036.88	145.49	131.20	148.219	-567.62	95.39	9,446.75	9,349.41	97.34	97.044	
22,000.00	12,759.00	21,474.00	13,036.88	146.91	131.20	148.219	-567.62	95.39	9,546.69	9,449.24	97.45	97.963	
22,100.00	12,759.00	21,474.00	13,036.88	148.33	131.20	148.219	-567.62	95.39	9,646.64	9,549.08	97.56	98.880	
22,125.24	12,759.00	21,474.00	13,036.88	148.69	131.20	148.219	-567.62	95.39	9,671.86	9,574.28	97.59	99.110	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - Deep - Cattleman Fed Com 404H - OH / 67732 - Surveys (H&P 474)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 174-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
0.00	0.00	0.00	-42.00	1.00	1.00	6.675	8,043.02	941.31	8,098.02				
100.00	100.00	85.92	43.92	1.08	1.12	6.680	8,043.23	942.07	8,098.41	8,096.20	2.20	3,675.374	
200.00	200.00	174.00	131.96	1.60	1.44	6.696	8,043.88	944.41	8,099.42	8,096.40	3.03	2,677.052	
300.00	300.00	388.72	346.65	2.01	2.66	6.702	8,043.82	945.17	8,099.29	8,094.65	4.65	1,742.932	
400.00	400.00	485.93	443.85	2.35	3.03	6.694	8,043.39	944.02	8,098.72	8,093.36	5.37	1,509.437	
500.00	500.00	566.76	524.68	2.65	3.21	6.691	8,043.09	943.52	8,098.28	8,092.43	5.84	1,385.819	
600.00	600.00	649.00	606.93	2.93	3.39	6.688	8,042.98	943.19	8,098.10	8,091.82	6.28	1,288.915	
700.00	700.00	754.53	712.45	3.18	3.61	6.686	8,042.95	942.83	8,098.03	8,091.30	6.74	1,202.283	
800.00	800.00	844.84	802.76	3.41	3.75	6.685	8,042.84	942.66	8,097.89	8,090.78	7.11	1,139.207	
813.72	813.72	855.80	813.72	3.44	3.77	6.685	8,042.84	942.66	8,097.89	8,090.74	7.15	1,131.998	
900.00	900.00	945.68	903.60	3.64	3.88	6.685	8,042.84	942.69	8,097.90	8,090.43	7.47	1,084.160	
1,000.00	1,000.00	1,042.37	1,000.29	3.85	4.02	6.685	8,042.80	942.71	8,097.86	8,090.05	7.81	1,036.452	
1,100.00	1,100.00	1,154.95	1,112.87	4.05	4.22	6.684	8,042.75	942.50	8,097.79	8,089.59	8.21	986.628	
1,161.29	1,161.29	1,203.38	1,161.30	4.17	4.28	6.683	8,042.72	942.40	8,097.75	8,089.37	8.38	966.682	
1,200.00	1,200.00	1,235.00	1,192.92	4.24	4.31	6.683	8,042.74	942.40	8,097.77	8,089.28	8.49	954.268	
1,300.00	1,300.00	1,342.94	1,300.86	4.43	4.43	6.686	8,042.71	942.79	8,097.78	8,088.97	8.81	918.959	
1,305.08	1,305.08	1,347.16	1,305.08	4.44	4.43	6.686	8,042.71	942.81	8,097.78	8,088.95	8.83	917.407	
1,400.00	1,400.00	1,431.37	1,389.29	4.61	4.53	6.690	8,042.72	943.39	8,097.87	8,088.75	9.11	888.567	
1,470.44	1,470.44	1,524.73	1,482.64	4.73	4.65	6.694	8,042.65	943.92	8,097.86	8,088.50	9.37	864.619	
1,500.00	1,500.00	1,532.42	1,490.33	4.78	4.72	6.695	8,042.65	944.10	8,097.88	8,088.44	9.44	857.773	
1,600.00	1,599.98	1,603.00	1,560.87	4.98	5.03	-150.667	8,042.70	946.58	8,099.82	8,090.08	9.75	830.963	
1,699.91	1,699.74	1,641.40	1,599.19	5.60	5.41	-150.604	8,042.81	949.03	8,105.31	8,094.97	10.34	784.240	
1,800.00	1,799.59	1,696.00	1,653.57	5.91	5.95	-150.583	8,043.08	953.83	8,112.92	8,102.20	10.72	756.745	
1,900.00	1,899.35	1,810.01	1,767.01	6.08	6.33	-150.531	8,043.58	965.26	8,120.60	8,109.56	11.04	735.702	
2,000.00	1,999.11	1,878.00	1,834.67	6.27	6.43	-150.501	8,044.08	971.90	8,128.54	8,117.24	11.30	719.327	
2,100.00	2,098.86	1,956.47	1,912.76	6.47	6.57	-150.466	8,044.90	979.64	8,136.81	8,125.21	11.59	701.759	
2,200.00	2,198.62	2,055.77	2,011.54	6.68	6.76	-150.421	8,046.00	989.63	8,145.18	8,133.25	11.93	682.567	
2,300.00	2,298.38	2,150.24	2,105.53	6.91	6.96	-150.379	8,047.05	999.11	8,153.57	8,141.29	12.28	664.203	
2,400.00	2,398.13	2,269.09	2,223.74	7.15	7.23	-150.323	8,048.25	1,011.38	8,161.88	8,149.22	12.67	644.377	
2,500.00	2,497.89	2,380.20	2,334.22	7.41	7.50	-150.268	8,049.15	1,023.12	8,170.04	8,156.98	13.06	625.647	
2,600.00	2,597.65	2,586.65	2,539.40	7.67	8.05	-150.159	8,049.45	1,046.02	8,177.79	8,164.18	13.61	600.899	
2,700.00	2,697.40	2,730.00	2,681.84	7.94	8.46	-150.081	8,047.91	1,062.01	8,184.12	8,170.05	14.07	581.674	
2,800.00	2,797.16	2,825.00	2,776.32	8.21	8.81	-150.035	8,046.81	1,071.85	8,190.34	8,175.88	14.46	566.420	
2,900.00	2,896.92	2,885.78	2,836.88	8.50	9.02	-150.013	8,046.36	1,077.01	8,196.78	8,181.98	14.80	553.893	
3,000.00	2,996.67	2,942.59	2,893.52	8.79	9.21	-149.997	8,046.40	1,081.41	8,203.85	8,188.72	15.14	542.012	
3,100.00	3,096.43	3,020.09	2,970.77	9.08	9.43	-149.973	8,046.69	1,087.62	8,211.29	8,195.78	15.51	529.450	
3,200.00	3,196.19	3,109.00	3,059.38	9.38	9.70	-149.944	8,047.14	1,094.94	8,218.90	8,202.99	15.90	516.776	
3,300.00	3,295.94	3,193.70	3,143.79	9.69	9.96	-149.917	8,047.71	1,101.91	8,226.66	8,210.36	16.30	504.727	
3,400.00	3,395.70	3,265.28	3,215.12	10.00	10.18	-149.894	8,048.38	1,107.87	8,234.71	8,218.03	16.68	493.731	
3,500.00	3,495.46	3,340.84	3,290.39	10.31	10.42	-149.868	8,049.34	1,114.32	8,243.09	8,226.03	17.07	482.991	
3,600.00	3,595.21	3,422.47	3,371.70	10.63	10.68	-149.840	8,050.55	1,121.41	8,251.72	8,234.25	17.47	472.319	
3,700.00	3,694.97	3,551.70	3,500.35	10.95	11.10	-149.790	8,052.48	1,133.46	8,260.50	8,242.54	17.96	459.986	
3,800.00	3,794.73	3,706.66	3,654.80	11.27	11.60	-149.743	8,053.77	1,145.97	8,268.34	8,249.86	18.48	447.405	
3,900.00	3,894.48	4,077.27	4,024.01	11.60	12.83	-149.613	8,049.67	1,177.35	8,274.31	8,254.94	19.36	427.297	
4,000.00	3,994.24	4,153.00	4,099.44	11.93	13.09	-149.586	8,047.77	1,183.84	8,278.97	8,259.21	19.76	419.048	
4,100.00	4,094.00	4,250.59	4,196.68	12.26	13.41	-149.552	8,045.52	1,191.83	8,283.81	8,263.63	20.17	410.612	
4,200.00	4,193.75	4,328.91	4,274.72	12.59	13.68	-149.527	8,043.79	1,198.15	8,288.72	8,268.15	20.57	402.945	
4,300.00	4,293.51	4,419.45	4,364.96	12.93	13.98	-149.498	8,041.97	1,205.36	8,293.82	8,272.84	20.98	395.251	
4,400.00	4,393.27	20,686.00	12,509.89	13.26	123.99	-87.414	-243.56	1,557.02	8,251.05	8,171.18	79.86	103.318	
4,500.00	4,493.02	20,686.00	12,509.89	13.60	123.99	-87.414	-243.56	1,557.02	8,152.40	8,072.38	80.02	101.882	
4,600.00	4,592.78	20,686.00	12,509.89	13.94	123.99	-87.414	-243.56	1,557.02	8,053.79	7,973.61	80.18	100.448	
4,700.00	4,692.54	20,686.00	12,509.89	14.28	123.99	-87.414	-243.56	1,557.02	7,955.21	7,874.87	80.34	99.017	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - Deep - Cattleman Fed Com 404H - OH / 67732 - Surveys (H&P 474)													Offset Site Error: 0.00 usft	
Survey Program:		174-MWD+HRGM					Rule Assigned:				Offset Well Error: 1.00 usft			
Reference	Offset	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance			Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,800.00	4,792.29	20,686.00	12,509.89	14.62	123.99	-87.414	-243.56	1,557.02	7,856.67	7,776.16	80.51	97.588		
4,900.00	4,892.05	20,686.00	12,509.89	14.97	123.99	-87.414	-243.56	1,557.02	7,758.16	7,677.48	80.68	96.162		
5,000.00	4,991.81	20,686.00	12,509.89	15.31	123.99	-87.414	-243.56	1,557.02	7,659.70	7,578.85	80.85	94.738		
5,100.00	5,091.56	20,686.00	12,509.89	15.66	123.99	-87.414	-243.56	1,557.02	7,561.27	7,480.24	81.03	93.317		
5,200.00	5,191.32	20,686.00	12,509.89	16.00	123.99	-87.414	-243.56	1,557.02	7,462.89	7,381.68	81.21	91.899		
5,300.00	5,291.08	20,686.00	12,509.89	16.35	123.99	-87.414	-243.56	1,557.02	7,364.55	7,283.16	81.39	90.484		
5,400.00	5,390.83	20,686.00	12,509.89	16.70	123.99	-87.414	-243.56	1,557.02	7,266.25	7,184.68	81.58	89.071		
5,500.00	5,490.59	20,686.00	12,509.89	17.05	123.99	-87.414	-243.56	1,557.02	7,168.01	7,086.24	81.77	87.662		
5,600.00	5,590.35	20,686.00	12,509.89	17.40	123.99	-87.414	-243.56	1,557.02	7,069.81	6,987.84	81.96	86.257		
5,700.00	5,690.10	20,686.00	12,509.89	17.75	123.99	-87.414	-243.56	1,557.02	6,971.66	6,889.50	82.16	84.854		
5,800.00	5,789.86	20,686.00	12,509.89	18.10	123.99	-87.414	-243.56	1,557.02	6,873.57	6,791.20	82.36	83.455		
5,900.00	5,889.62	20,686.00	12,509.89	18.46	123.99	-87.414	-243.56	1,557.02	6,775.53	6,692.96	82.57	82.060		
6,000.00	5,989.37	20,686.00	12,509.89	18.81	123.99	-87.414	-243.56	1,557.02	6,677.55	6,594.77	82.78	80.669		
6,100.00	6,089.13	20,686.00	12,509.89	19.16	123.99	-87.414	-243.56	1,557.02	6,579.63	6,496.64	82.99	79.281		
6,200.00	6,188.89	20,686.00	12,509.89	19.52	123.99	-87.414	-243.56	1,557.02	6,481.77	6,398.56	83.21	77.897		
6,300.00	6,288.64	20,686.00	12,509.89	19.87	123.99	-87.414	-243.56	1,557.02	6,383.98	6,300.55	83.43	76.517		
6,400.00	6,388.40	20,686.00	12,509.89	20.22	123.99	-87.414	-243.56	1,557.02	6,286.26	6,202.60	83.66	75.141		
6,500.00	6,488.16	20,686.00	12,509.89	20.58	123.99	-87.414	-243.56	1,557.02	6,188.62	6,104.73	83.89	73.770		
6,600.00	6,587.91	20,686.00	12,509.89	20.94	123.99	-87.414	-243.56	1,557.02	6,091.05	6,006.92	84.13	72.403		
6,700.00	6,687.67	20,686.00	12,509.89	21.29	123.99	-87.414	-243.56	1,557.02	5,993.56	5,909.19	84.37	71.040		
6,800.00	6,787.43	20,686.00	12,509.89	21.65	123.99	-87.414	-243.56	1,557.02	5,896.15	5,811.53	84.62	69.682		
6,900.00	6,887.18	20,686.00	12,509.89	22.01	123.99	-87.414	-243.56	1,557.02	5,798.83	5,713.96	84.87	68.328		
7,000.00	6,986.94	20,686.00	12,509.89	22.36	123.99	-87.414	-243.56	1,557.02	5,701.61	5,616.48	85.13	66.979		
7,100.00	7,086.70	20,686.00	12,509.89	22.72	123.99	-87.414	-243.56	1,557.02	5,604.48	5,519.09	85.39	65.635		
7,200.00	7,186.45	20,686.00	12,509.89	23.08	123.99	-87.414	-243.56	1,557.02	5,507.45	5,421.80	85.66	64.296		
7,300.00	7,286.21	20,686.00	12,509.89	23.44	123.99	-87.414	-243.56	1,557.02	5,410.54	5,324.60	85.93	62.962		
7,400.00	7,385.97	20,686.00	12,509.89	23.80	123.99	-87.414	-243.56	1,557.02	5,313.74	5,227.52	86.22	61.632		
7,500.00	7,485.72	20,686.00	12,509.89	24.16	123.99	-87.414	-243.56	1,557.02	5,217.05	5,130.55	86.51	60.309		
7,600.00	7,585.48	20,716.65	12,510.39	24.52	124.41	-86.180	-274.20	1,557.22	5,120.28	5,033.21	87.07	58.806		
7,700.00	7,685.24	20,720.30	12,510.47	24.88	124.46	-86.032	-277.85	1,557.23	5,023.80	4,936.39	87.41	57.475		
7,800.00	7,784.99	20,724.06	12,510.57	25.24	124.51	-85.879	-281.61	1,557.23	4,927.46	4,839.70	87.76	56.150		
7,900.00	7,884.75	20,727.94	12,510.66	25.60	124.57	-85.722	-285.49	1,557.23	4,831.26	4,743.15	88.11	54.830		
8,000.00	7,984.51	20,731.94	12,510.77	25.96	124.62	-85.559	-289.49	1,557.22	4,735.21	4,646.73	88.48	53.516		
8,100.00	8,084.26	20,736.07	12,510.89	26.32	124.68	-85.391	-293.62	1,557.21	4,639.32	4,550.46	88.86	52.208		
8,200.00	8,184.02	20,740.34	12,511.02	26.68	124.74	-85.217	-297.88	1,557.19	4,543.59	4,454.34	89.25	50.906		
8,300.00	8,283.78	20,744.75	12,511.16	27.04	124.80	-85.037	-302.29	1,557.17	4,448.05	4,358.39	89.66	49.610		
8,400.00	8,383.53	20,749.31	12,511.31	27.40	124.86	-84.850	-306.85	1,557.13	4,352.70	4,262.62	90.08	48.320		
8,500.00	8,483.29	20,754.02	12,511.48	27.76	124.93	-84.657	-311.56	1,557.10	4,257.54	4,167.03	90.51	47.037		
8,600.00	8,583.05	20,781.00	12,512.58	28.12	125.30	-83.546	-338.51	1,556.75	4,162.73	4,071.56	91.17	45.660		
8,700.00	8,682.80	20,781.00	12,512.58	28.48	125.30	-83.546	-338.51	1,556.75	4,067.97	3,976.38	91.59	44.415		
8,800.00	8,782.56	20,781.00	12,512.58	28.85	125.30	-83.546	-338.51	1,556.75	3,973.48	3,881.45	92.03	43.176		
8,900.00	8,882.32	20,781.00	12,512.58	29.21	125.30	-83.546	-338.51	1,556.75	3,879.26	3,786.77	92.49	41.943		
9,000.00	8,982.07	20,781.00	12,512.58	29.57	125.30	-83.546	-338.51	1,556.75	3,785.33	3,692.37	92.96	40.718		
9,100.00	9,081.83	20,790.58	12,513.02	29.93	125.43	-83.149	-348.08	1,556.59	3,691.72	3,598.16	93.55	39.462		
9,200.00	9,181.59	20,801.54	12,513.52	30.30	125.59	-82.693	-359.03	1,556.40	3,598.41	3,504.23	94.18	38.209		
9,300.00	9,281.34	20,812.50	12,514.03	30.66	125.74	-82.235	-369.98	1,556.21	3,505.44	3,410.61	94.83	36.965		
9,400.00	9,381.10	20,823.46	12,514.53	31.02	125.89	-81.774	-380.92	1,556.03	3,412.83	3,317.31	95.51	35.732		
9,500.00	9,480.86	20,834.42	12,515.03	31.39	126.04	-81.312	-391.87	1,555.84	3,320.61	3,224.38	96.23	34.508		
9,600.00	9,580.61	20,845.38	12,515.53	31.75	126.20	-80.847	-402.82	1,555.66	3,228.82	3,131.84	96.98	33.294		
9,700.00	9,680.37	20,856.34	12,516.04	32.11	126.35	-80.381	-413.77	1,555.47	3,137.49	3,039.72	97.77	32.090		
9,800.00	9,780.13	20,867.31	12,516.54	32.48	126.50	-79.912	-424.72	1,555.29	3,046.67	2,948.06	98.60	30.898		
9,900.00	9,879.88	20,878.27	12,517.04	32.84	126.65	-79.442	-435.66	1,555.10	2,956.39	2,856.91	99.49	29.716		

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - Deep - Cattleman Fed Com 404H - OH / 67732 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 174-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
10,000.00	9,979.64	20,889.23	12,517.55	33.20	126.80	-78.970	-446.61	1,554.92	2,866.73	2,766.30	100.42	28.547	
10,100.00	10,079.39	20,900.19	12,518.05	33.57	126.96	-78.496	-457.56	1,554.73	2,777.72	2,676.31	101.42	27.389	
10,200.00	10,179.15	20,911.15	12,518.55	33.93	127.11	-78.020	-468.51	1,554.55	2,689.45	2,586.97	102.47	26.245	
10,300.00	10,278.91	20,922.11	12,519.06	34.29	127.26	-77.543	-479.46	1,554.36	2,601.97	2,498.37	103.60	25.115	
10,400.00	10,378.66	20,933.07	12,519.56	34.66	127.41	-77.064	-490.40	1,554.17	2,515.38	2,410.57	104.81	23.999	
10,500.00	10,478.42	20,944.03	12,520.06	35.02	127.57	-76.584	-501.35	1,553.99	2,429.77	2,323.67	106.11	22.900	
10,600.00	10,578.18	20,954.99	12,520.56	35.39	127.72	-76.102	-512.30	1,553.80	2,345.25	2,237.76	107.50	21.817	
10,700.00	10,677.93	20,964.00	12,520.98	35.75	127.84	-75.705	-521.29	1,553.65	2,261.95	2,152.98	108.97	20.758	
10,800.00	10,777.69	20,964.00	12,520.98	36.12	127.84	-75.705	-521.29	1,553.65	2,180.02	2,069.59	110.44	19.740	
10,900.00	10,877.45	20,964.00	12,520.98	36.48	127.84	-75.705	-521.29	1,553.65	2,099.66	1,987.64	112.02	18.743	
11,000.00	10,977.20	20,964.00	12,520.98	36.85	127.84	-75.705	-521.29	1,553.65	2,021.06	1,907.33	113.73	17.771	
11,100.00	11,076.96	20,964.00	12,520.98	37.21	127.84	-75.705	-521.29	1,553.65	1,944.42	1,828.86	115.57	16.825	
11,200.00	11,176.72	20,964.00	12,520.98	37.57	127.84	-75.705	-521.29	1,553.65	1,870.00	1,752.46	117.54	15.910	
11,300.00	11,276.47	20,964.00	12,520.98	37.94	127.84	-75.705	-521.29	1,553.65	1,798.05	1,678.40	119.65	15.027	
11,400.00	11,376.23	20,964.00	12,520.98	38.30	127.84	-75.705	-521.29	1,553.65	1,728.90	1,606.99	121.90	14.183	
11,500.00	11,475.99	20,964.00	12,520.98	38.67	127.84	-75.705	-521.29	1,553.65	1,662.88	1,538.59	124.29	13.379	
11,510.34	11,486.30	20,964.00	12,520.98	38.71	127.84	-75.705	-521.29	1,553.65	1,656.25	1,531.71	124.54	13.299	
11,600.00	11,575.83	20,964.00	12,520.98	39.02	127.84	-74.336	-521.29	1,553.65	1,600.68	1,473.88	126.81	12.623	
11,700.00	11,675.80	20,964.00	12,520.98	39.33	127.84	-72.989	-521.29	1,553.65	1,543.24	1,413.77	129.48	11.919	
11,710.24	11,686.04	20,964.00	12,520.98	39.34	127.84	84.532	-521.29	1,553.65	1,537.65	1,407.90	129.75	11.851	
11,800.00	11,775.80	20,964.00	12,520.98	39.34	127.84	84.532	-521.29	1,553.65	1,490.82	1,358.65	132.17	11.280	
11,900.00	11,875.80	20,964.00	12,520.98	39.35	127.84	84.532	-521.29	1,553.65	1,443.44	1,308.55	134.88	10.701	
12,000.00	11,975.80	20,964.00	12,520.98	39.35	127.84	84.532	-521.29	1,553.65	1,401.60	1,264.03	137.56	10.189	
12,100.00	12,075.80	20,964.00	12,520.98	39.36	127.84	84.532	-521.29	1,553.65	1,365.81	1,225.67	140.14	9.746	
12,200.00	12,175.80	20,964.00	12,520.98	39.36	127.84	84.532	-521.29	1,553.65	1,336.57	1,194.01	142.55	9.376	
12,210.24	12,186.04	20,964.00	12,520.98	39.36	127.84	84.532	-521.29	1,553.65	1,333.96	1,191.17	142.79	9.342	
12,250.00	12,225.77	20,964.00	12,520.98	39.43	127.84	-95.869	-521.29	1,553.65	1,324.66	1,181.00	143.65	9.221	
12,300.00	12,275.43	20,964.00	12,520.98	39.69	127.84	-96.850	-521.29	1,553.65	1,314.97	1,170.33	144.65	9.091	
12,350.00	12,324.42	20,964.00	12,520.98	39.98	127.84	-97.585	-521.29	1,553.65	1,307.65	1,162.14	145.50	8.987	
12,400.00	12,372.35	20,964.00	12,520.98	40.29	127.84	-98.071	-521.29	1,553.65	1,302.77	1,156.57	146.20	8.911	
12,450.00	12,418.86	20,964.00	12,520.98	40.60	127.84	-98.305	-521.29	1,553.65	1,300.41	1,153.67	146.74	8.862	
12,471.26	12,438.13	20,964.00	12,520.98	40.74	127.84	-98.327	-521.29	1,553.65	1,300.18	1,153.26	146.92	8.849 CC, ES	
12,500.00	12,463.61	20,964.00	12,520.98	40.91	127.84	-98.286	-521.29	1,553.65	1,300.60	1,153.49	147.11	8.841 SF	
12,550.00	12,506.24	20,964.00	12,520.98	41.22	127.84	-98.014	-521.29	1,553.65	1,303.34	1,156.02	147.32	8.847	
12,600.00	12,546.43	20,964.00	12,520.98	41.50	127.84	-97.491	-521.29	1,553.65	1,308.59	1,161.22	147.37	8.880	
12,650.00	12,583.88	20,964.00	12,520.98	41.78	127.84	-96.719	-521.29	1,553.65	1,316.27	1,169.01	147.27	8.938	
12,700.00	12,618.30	20,964.00	12,520.98	42.03	127.84	-95.702	-521.29	1,553.65	1,326.30	1,179.28	147.02	9.021	
12,750.00	12,649.43	20,964.00	12,520.98	42.27	127.84	-94.444	-521.29	1,553.65	1,338.54	1,191.89	146.65	9.128	
12,800.00	12,677.04	20,964.00	12,520.98	42.47	127.84	-92.955	-521.29	1,553.65	1,352.83	1,206.67	146.16	9.256	
12,850.00	12,700.91	20,964.00	12,520.98	42.66	127.84	-91.245	-521.29	1,553.65	1,369.02	1,223.45	145.57	9.405	
12,900.00	12,720.86	20,964.00	12,520.98	42.81	127.84	-89.329	-521.29	1,553.65	1,386.91	1,242.03	144.88	9.573	
12,950.00	12,736.74	20,964.00	12,520.98	42.94	127.84	-87.226	-521.29	1,553.65	1,406.30	1,262.18	144.12	9.758	
13,000.00	12,748.43	20,964.00	12,520.98	43.04	127.84	-84.959	-521.29	1,553.65	1,426.99	1,283.71	143.28	9.960	
13,050.00	12,755.84	20,964.00	12,520.98	43.11	127.84	-82.554	-521.29	1,553.65	1,448.76	1,306.39	142.37	10.176	
13,100.00	12,758.91	20,964.00	12,520.98	43.15	127.84	-80.042	-521.29	1,553.65	1,471.42	1,330.00	141.41	10.405	
13,110.24	12,759.00	20,964.00	12,520.98	43.16	127.84	-79.518	-521.29	1,553.65	1,476.15	1,334.94	141.21	10.454	
13,200.00	12,759.00	20,964.00	12,520.98	43.21	127.84	-79.518	-521.29	1,553.65	1,519.80	1,380.42	139.38	10.904	
13,300.00	12,759.00	20,964.00	12,520.98	43.28	127.84	-79.518	-521.29	1,553.65	1,573.04	1,435.78	137.26	11.460	
13,400.00	12,759.00	20,964.00	12,520.98	43.36	127.84	-79.518	-521.29	1,553.65	1,630.69	1,495.61	135.08	12.072	
13,500.00	12,759.00	20,964.00	12,520.98	43.45	127.84	-79.518	-521.29	1,553.65	1,692.28	1,559.42	132.86	12.737	
13,600.00	12,759.00	20,964.00	12,520.98	43.56	127.84	-79.518	-521.29	1,553.65	1,757.41	1,626.76	130.65	13.452	
13,700.00	12,759.00	20,964.00	12,520.98	43.70	127.84	-79.518	-521.29	1,553.65	1,825.70	1,697.25	128.45	14.213	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - Deep - Cattleman Fed Com 404H - OH / 67732 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 174-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</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</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
13,800.00	12,759.00	20,964.00	12,520.98	43.86	127.84	-79.518	-521.29	1,553.65	1,896.80	1,770.50	126.29	15.019	
13,900.00	12,759.00	20,964.00	12,520.98	44.05	127.84	-79.518	-521.29	1,553.65	1,970.41	1,846.22	124.19	15.866	
14,000.00	12,759.00	20,964.00	12,520.98	44.28	127.84	-79.518	-521.29	1,553.65	2,046.26	1,924.11	122.16	16.751	
14,100.00	12,759.00	20,964.00	12,520.98	44.57	127.84	-79.518	-521.29	1,553.65	2,124.12	2,003.92	120.20	17.672	
14,200.00	12,759.00	20,964.00	12,520.98	44.91	127.84	-79.518	-521.29	1,553.65	2,203.76	2,085.44	118.32	18.626	
14,300.00	12,759.00	20,964.00	12,520.98	45.32	127.84	-79.518	-521.29	1,553.65	2,285.00	2,168.48	116.52	19.610	
14,400.00	12,759.00	20,964.00	12,520.98	45.81	127.84	-79.518	-521.29	1,553.65	2,367.68	2,252.87	114.81	20.623	
14,500.00	12,759.00	20,964.00	12,520.98	46.40	127.84	-79.518	-521.29	1,553.65	2,451.65	2,338.47	113.18	21.662	
14,600.00	12,759.00	20,964.00	12,520.98	47.09	127.84	-79.518	-521.29	1,553.65	2,536.78	2,425.16	111.62	22.726	
14,700.00	12,759.00	20,964.00	12,520.98	47.88	127.84	-79.518	-521.29	1,553.65	2,622.96	2,512.81	110.15	23.812	
14,800.00	12,759.00	20,964.00	12,520.98	48.76	127.84	-79.518	-521.29	1,553.65	2,710.09	2,601.34	108.76	24.919	
14,900.00	12,759.00	20,964.00	12,520.98	49.72	127.84	-79.518	-521.29	1,553.65	2,798.09	2,690.65	107.43	26.045	
15,000.00	12,759.00	20,964.00	12,520.98	50.75	127.84	-79.518	-521.29	1,553.65	2,886.86	2,780.68	106.18	27.188	
15,100.00	12,759.00	20,964.00	12,520.98	51.84	127.84	-79.518	-521.29	1,553.65	2,976.35	2,871.35	104.99	28.348	
15,200.00	12,759.00	20,964.00	12,520.98	52.98	127.84	-79.518	-521.29	1,553.65	3,066.48	2,962.61	103.87	29.523	
15,300.00	12,759.00	20,964.00	12,520.98	54.15	127.84	-79.518	-521.29	1,553.65	3,157.21	3,054.41	102.80	30.711	
15,400.00	12,759.00	20,964.00	12,520.98	55.36	127.84	-79.518	-521.29	1,553.65	3,248.49	3,146.69	101.79	31.912	
15,500.00	12,759.00	20,964.00	12,520.98	56.60	127.84	-79.518	-521.29	1,553.65	3,340.26	3,239.42	100.84	33.125	
15,600.00	12,759.00	20,964.00	12,520.98	57.85	127.84	-79.518	-521.29	1,553.65	3,432.49	3,332.56	99.93	34.348	
15,700.00	12,759.00	20,964.00	12,520.98	59.13	127.84	-79.518	-521.29	1,553.65	3,525.15	3,426.08	99.08	35.580	
15,800.00	12,759.00	20,964.00	12,520.98	60.42	127.84	-79.518	-521.29	1,553.65	3,618.20	3,519.94	98.26	36.822	
15,900.00	12,759.00	20,964.00	12,520.98	61.72	127.84	-79.518	-521.29	1,553.65	3,711.61	3,614.12	97.49	38.071	
16,000.00	12,759.00	20,964.00	12,520.98	63.04	127.84	-79.518	-521.29	1,553.65	3,805.35	3,708.59	96.76	39.327	
16,100.00	12,759.00	20,964.00	12,520.98	64.36	127.84	-79.518	-521.29	1,553.65	3,899.41	3,803.34	96.07	40.590	
16,200.00	12,759.00	20,964.00	12,520.98	65.69	127.84	-79.518	-521.29	1,553.65	3,993.75	3,898.34	95.41	41.859	
16,300.00	12,759.00	20,964.00	12,520.98	67.03	127.84	-79.518	-521.29	1,553.65	4,088.37	3,993.58	94.79	43.133	
16,400.00	12,759.00	20,964.00	12,520.98	68.37	127.84	-79.518	-521.29	1,553.65	4,183.23	4,089.04	94.19	44.411	
16,500.00	12,759.00	20,964.00	12,520.98	69.73	127.84	-79.518	-521.29	1,553.65	4,278.33	4,184.70	93.63	45.694	
16,600.00	12,759.00	20,964.00	12,520.98	71.08	127.84	-79.518	-521.29	1,553.65	4,373.65	4,280.55	93.10	46.980	
16,700.00	12,759.00	20,964.00	12,520.98	72.44	127.84	-79.518	-521.29	1,553.65	4,469.17	4,376.58	92.59	48.270	
16,800.00	12,759.00	20,964.00	12,520.98	73.81	127.84	-79.518	-521.29	1,553.65	4,564.88	4,472.78	92.10	49.562	
16,900.00	12,759.00	20,964.00	12,520.98	75.18	127.84	-79.518	-521.29	1,553.65	4,660.77	4,569.13	91.65	50.856	
17,000.00	12,759.00	20,964.00	12,520.98	76.55	127.84	-79.518	-521.29	1,553.65	4,756.84	4,665.63	91.21	52.152	
17,100.00	12,759.00	20,964.00	12,520.98	77.92	127.84	-79.518	-521.29	1,553.65	4,853.06	4,762.26	90.80	53.450	
17,200.00	12,759.00	20,964.00	12,520.98	79.30	127.84	-79.518	-521.29	1,553.65	4,949.43	4,859.03	90.40	54.749	
17,300.00	12,759.00	20,964.00	12,520.98	80.68	127.84	-79.518	-521.29	1,553.65	5,045.94	4,955.91	90.03	56.048	
17,400.00	12,759.00	20,964.00	12,520.98	82.07	127.84	-79.518	-521.29	1,553.65	5,142.59	5,052.91	89.67	57.348	
17,500.00	12,759.00	20,964.00	12,520.98	83.45	127.84	-79.518	-521.29	1,553.65	5,239.36	5,150.02	89.33	58.649	
17,600.00	12,759.00	20,964.00	12,520.98	84.84	127.84	-79.518	-521.29	1,553.65	5,336.25	5,247.24	89.01	59.949	
17,700.00	12,759.00	20,964.00	12,520.98	86.23	127.84	-79.518	-521.29	1,553.65	5,433.25	5,344.54	88.71	61.249	
17,800.00	12,759.00	20,964.00	12,520.98	87.62	127.84	-79.518	-521.29	1,553.65	5,530.36	5,441.94	88.42	62.549	
17,900.00	12,759.00	20,964.00	12,520.98	89.01	127.84	-79.518	-521.29	1,553.65	5,627.57	5,539.43	88.14	63.848	
18,000.00	12,759.00	20,964.00	12,520.98	90.41	127.84	-79.518	-521.29	1,553.65	5,724.88	5,637.00	87.88	65.146	
18,100.00	12,759.00	20,964.00	12,520.98	91.80	127.84	-79.518	-521.29	1,553.65	5,822.28	5,734.65	87.63	66.442	
18,200.00	12,759.00	20,964.00	12,520.98	93.20	127.84	-79.518	-521.29	1,553.65	5,919.76	5,832.37	87.39	67.738	
18,300.00	12,759.00	20,964.00	12,520.98	94.60	127.84	-79.518	-521.29	1,553.65	6,017.33	5,930.16	87.17	69.032	
18,400.00	12,759.00	20,964.00	12,520.98	96.00	127.84	-79.518	-521.29	1,553.65	6,114.98	6,028.02	86.95	70.324	
18,500.00	12,759.00	20,964.00	12,520.98	97.40	127.84	-79.518	-521.29	1,553.65	6,212.70	6,125.95	86.75	71.614	
18,600.00	12,759.00	20,964.00	12,520.98	98.81	127.84	-79.518	-521.29	1,553.65	6,310.49	6,223.93	86.56	72.902	
18,700.00	12,759.00	20,964.00	12,520.98	100.21	127.84	-79.518	-521.29	1,553.65	6,408.35	6,321.97	86.38	74.188	
18,800.00	12,759.00	20,964.00	12,520.98	101.62	127.84	-79.518	-521.29	1,553.65	6,506.28	6,420.07	86.21	75.472	
18,900.00	12,759.00	20,964.00	12,520.98	103.02	127.84	-79.518	-521.29	1,553.65	6,604.27	6,518.22	86.04	76.754	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - Deep - Cattleman Fed Com 404H - OH / 67732 - Surveys (H&P 474)													Offset Site Error:	0.00 usft				
Survey Program:		174-MWD+HRGM					Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance	Warning	Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
19,000.00	12,759.00	20,964.00	12,520.98	104.43	127.84	-79.518	-521.29	1,553.65	6,702.31	6,616.42	85.89	78.033						
19,100.00	12,759.00	20,964.00	12,520.98	105.84	127.84	-79.518	-521.29	1,553.65	6,800.42	6,714.67	85.75	79.309						
19,200.00	12,759.00	20,964.00	12,520.98	107.24	127.84	-79.518	-521.29	1,553.65	6,898.58	6,812.97	85.61	80.583						
19,300.00	12,759.00	20,964.00	12,520.98	108.65	127.84	-79.518	-521.29	1,553.65	6,996.79	6,911.31	85.48	81.853						
19,400.00	12,759.00	20,964.00	12,520.98	110.06	127.84	-79.518	-521.29	1,553.65	7,095.05	7,009.69	85.36	83.121						
19,500.00	12,759.00	20,964.00	12,520.98	111.47	127.84	-79.518	-521.29	1,553.65	7,193.36	7,108.11	85.24	84.386						
19,600.00	12,759.00	20,964.00	12,520.98	112.89	127.84	-79.518	-521.29	1,553.65	7,291.71	7,206.58	85.14	85.647						
19,700.00	12,759.00	20,964.00	12,520.98	114.30	127.84	-79.518	-521.29	1,553.65	7,390.11	7,305.08	85.04	86.906						
19,800.00	12,759.00	20,964.00	12,520.98	115.71	127.84	-79.518	-521.29	1,553.65	7,488.55	7,403.61	84.94	88.161						
19,900.00	12,759.00	20,964.00	12,520.98	117.12	127.84	-79.518	-521.29	1,553.65	7,587.04	7,502.18	84.85	89.412						
20,000.00	12,759.00	20,964.00	12,520.98	118.54	127.84	-79.518	-521.29	1,553.65	7,685.56	7,600.78	84.77	90.661						
20,100.00	12,759.00	20,964.00	12,520.98	119.95	127.84	-79.518	-521.29	1,553.65	7,784.12	7,699.42	84.70	91.905						
20,200.00	12,759.00	20,964.00	12,520.98	121.37	127.84	-79.518	-521.29	1,553.65	7,882.71	7,798.08	84.63	93.147						
20,300.00	12,759.00	20,964.00	12,520.98	122.78	127.84	-79.518	-521.29	1,553.65	7,981.34	7,896.78	84.56	94.384						
20,400.00	12,759.00	20,964.00	12,520.98	124.20	127.84	-79.518	-521.29	1,553.65	8,080.01	7,995.50	84.50	95.618						
20,500.00	12,759.00	20,964.00	12,520.98	125.61	127.84	-79.518	-521.29	1,553.65	8,178.70	8,094.25	84.45	96.848						
20,600.00	12,759.00	20,964.00	12,520.98	127.03	127.84	-79.518	-521.29	1,553.65	8,277.43	8,193.03	84.40	98.075						
20,700.00	12,759.00	20,964.00	12,520.98	128.45	127.84	-79.518	-521.29	1,553.65	8,376.19	8,291.83	84.35	99.297						
20,800.00	12,759.00	20,964.00	12,520.98	129.87	127.84	-79.518	-521.29	1,553.65	8,474.97	8,390.66	84.31	100.516						
20,900.00	12,759.00	20,964.00	12,520.98	131.29	127.84	-79.518	-521.29	1,553.65	8,573.79	8,489.51	84.28	101.731						
21,000.00	12,759.00	20,964.00	12,520.98	132.70	127.84	-79.518	-521.29	1,553.65	8,672.63	8,588.38	84.25	102.942						
21,100.00	12,759.00	20,964.00	12,520.98	134.12	127.84	-79.518	-521.29	1,553.65	8,771.50	8,687.28	84.22	104.148						
21,200.00	12,759.00	20,964.00	12,520.98	135.54	127.84	-79.518	-521.29	1,553.65	8,870.39	8,786.20	84.20	105.351						
21,300.00	12,759.00	20,964.00	12,520.98	136.96	127.84	-79.518	-521.29	1,553.65	8,969.31	8,885.13	84.18	106.550						
21,400.00	12,759.00	20,964.00	12,520.98	138.38	127.84	-79.518	-521.29	1,553.65	9,068.25	8,984.09	84.16	107.744						
21,500.00	12,759.00	20,964.00	12,520.98	139.80	127.84	-79.518	-521.29	1,553.65	9,167.22	9,083.07	84.15	108.935						
21,600.00	12,759.00	20,964.00	12,520.98	141.22	127.84	-79.518	-521.29	1,553.65	9,266.21	9,182.06	84.15	110.121						
21,700.00	12,759.00	20,964.00	12,520.98	142.65	127.84	-79.518	-521.29	1,553.65	9,365.22	9,281.07	84.14	111.303						
21,800.00	12,759.00	20,964.00	12,520.98	144.07	127.84	-79.518	-521.29	1,553.65	9,464.25	9,380.11	84.14	112.481						
21,900.00	12,759.00	20,964.00	12,520.98	145.49	127.84	-79.518	-521.29	1,553.65	9,563.30	9,479.15	84.14	113.655						
22,000.00	12,759.00	20,964.00	12,520.98	146.91	127.84	-79.518	-521.29	1,553.65	9,662.37	9,578.22	84.15	114.824						
22,100.00	12,759.00	20,964.00	12,520.98	148.33	127.84	-79.518	-521.29	1,553.65	9,761.45	9,677.30	84.16	115.989						
22,125.24	12,759.00	20,964.00	12,520.98	148.69	127.84	-79.518	-521.29	1,553.65	9,786.47	9,702.31	84.16	116.283						

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - Deep - Cattleman Fed Com 434H - OH / 67733 - Surveys (H&P 474)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 174-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
0.00	0.00	66.53	23.53	1.00	1.08	6.252	8,042.40	881.03	8,090.54				
100.00	100.00	197.20	154.17	1.08	1.56	6.232	8,041.98	878.12	8,089.96	8,087.32	2.64	3,060.279	
200.00	200.00	273.30	230.26	1.60	2.06	6.224	8,041.70	877.02	8,089.44	8,085.79	3.65	2,217.941	
300.00	300.00	365.42	322.37	2.01	2.63	6.226	8,041.41	877.20	8,089.14	8,084.56	4.58	1,764.570	
400.00	400.00	454.18	411.13	2.35	3.05	6.230	8,041.13	877.75	8,088.90	8,083.60	5.30	1,526.157	
446.06	446.06	489.11	446.06	2.49	3.13	6.231	8,041.08	877.94	8,088.87	8,083.35	5.52	1,465.793	
500.00	500.00	541.60	498.55	2.65	3.24	6.233	8,041.08	878.19	8,088.90	8,083.10	5.79	1,396.103	
597.15	597.15	640.21	597.15	2.92	3.44	6.236	8,040.98	878.63	8,088.84	8,082.59	6.25	1,293.422	
600.00	600.00	642.49	599.44	2.93	3.45	6.236	8,040.98	878.64	8,088.84	8,082.58	6.27	1,290.907	
700.00	700.00	731.07	688.01	3.18	3.62	6.240	8,041.02	879.23	8,088.95	8,082.27	6.68	1,210.272	
800.00	800.00	818.47	775.41	3.41	3.78	6.245	8,041.09	879.96	8,089.13	8,082.06	7.07	1,143.724	
900.00	900.00	898.14	855.08	3.64	3.92	6.249	8,041.41	880.59	8,089.60	8,082.18	7.43	1,089.288	
1,000.00	1,000.00	1,008.86	965.79	3.85	4.10	6.254	8,041.88	881.25	8,090.09	8,082.27	7.82	1,034.748	
1,100.00	1,100.00	1,133.21	1,090.14	4.05	4.30	6.258	8,042.19	881.84	8,090.40	8,082.18	8.22	984.109	
1,200.00	1,200.00	1,241.64	1,198.58	4.24	4.45	6.259	8,042.20	882.08	8,090.43	8,081.88	8.55	946.250	
1,300.00	1,300.00	1,334.50	1,291.43	4.43	4.60	6.260	8,042.24	882.25	8,090.49	8,081.61	8.88	911.066	
1,400.00	1,400.00	1,428.97	1,385.91	4.61	4.76	6.262	8,042.35	882.52	8,090.64	8,081.43	9.21	878.564	
1,500.00	1,500.00	1,534.05	1,490.99	4.78	4.92	6.263	8,042.48	882.69	8,090.78	8,081.23	9.55	847.542	
1,600.00	1,599.98	1,635.19	1,592.12	4.98	5.05	-151.120	8,042.57	882.73	8,092.40	8,082.54	9.87	820.250	
1,699.91	1,699.74	1,734.88	1,691.82	5.60	5.15	-151.093	8,042.69	882.66	8,097.09	8,086.57	10.51	770.225	
1,800.00	1,799.59	1,836.59	1,793.52	5.91	5.23	-151.119	8,042.79	882.44	8,103.28	8,092.37	10.91	742.651	
1,900.00	1,899.35	1,939.63	1,896.56	6.08	5.33	-151.144	8,042.87	882.33	8,109.45	8,098.25	11.20	724.170	
2,000.00	1,999.11	2,056.13	2,013.06	6.27	5.54	-151.166	8,042.72	883.15	8,115.52	8,103.95	11.57	701.630	
2,100.00	2,098.86	2,182.19	2,139.03	6.47	6.01	-151.163	8,041.80	887.69	8,121.28	8,109.31	11.98	678.127	
2,200.00	2,198.62	2,284.62	2,241.30	6.68	6.30	-151.148	8,040.63	893.21	8,126.84	8,114.54	12.30	660.504	
2,300.00	2,298.38	2,370.98	2,327.52	6.91	6.51	-151.134	8,039.73	898.08	8,132.52	8,119.90	12.62	644.274	
2,400.00	2,398.13	2,445.00	2,401.42	7.15	6.69	-151.121	8,039.03	902.29	8,138.34	8,125.40	12.94	629.150	
2,500.00	2,497.89	2,508.10	2,464.41	7.41	6.85	-151.111	8,038.67	905.88	8,144.55	8,131.30	13.24	614.952	
2,600.00	2,597.65	2,561.99	2,518.21	7.67	6.99	-151.102	8,038.72	908.93	8,151.35	8,137.80	13.55	601.601	
2,700.00	2,697.40	2,635.00	2,591.10	7.94	7.18	-151.091	8,039.23	913.10	8,158.72	8,144.83	13.89	587.400	
2,800.00	2,797.16	2,714.10	2,670.05	8.21	7.40	-151.077	8,039.98	917.89	8,166.39	8,152.15	14.24	573.287	
2,900.00	2,896.92	2,809.94	2,765.67	8.50	7.67	-151.055	8,040.79	924.30	8,174.07	8,159.43	14.63	558.643	
3,000.00	2,996.67	2,919.17	2,874.68	8.79	7.99	-151.032	8,041.73	931.35	8,181.73	8,166.69	15.04	543.859	
3,100.00	3,096.43	3,006.25	2,961.62	9.08	8.24	-151.020	8,042.57	936.14	8,189.40	8,173.97	15.43	530.791	
3,200.00	3,196.19	3,093.19	3,048.42	9.38	8.49	-151.008	8,043.55	940.91	8,197.22	8,181.41	15.82	518.224	
3,300.00	3,295.94	3,177.69	3,132.78	9.69	8.74	-150.995	8,044.62	945.78	8,205.22	8,189.00	16.21	506.167	
3,400.00	3,395.70	3,254.52	3,209.47	10.00	8.98	-150.983	8,045.75	950.28	8,213.43	8,196.83	16.60	494.878	
3,500.00	3,495.46	3,523.31	3,477.79	10.31	9.89	-150.941	8,047.86	965.75	8,221.24	8,203.92	17.32	474.632	
3,600.00	3,595.21	3,611.44	3,565.87	10.63	10.40	-150.939	8,047.76	968.93	8,227.62	8,209.75	17.88	460.261	
3,700.00	3,694.97	3,700.14	3,654.55	10.95	10.87	-150.951	8,047.98	970.31	8,234.15	8,215.74	18.41	447.341	
3,800.00	3,794.73	3,943.35	3,897.75	11.27	11.21	-150.997	8,047.53	971.85	8,240.51	8,221.60	18.91	435.780	
3,900.00	3,894.48	4,025.59	3,979.97	11.60	11.16	-151.022	8,046.59	970.92	8,245.38	8,226.15	19.22	428.924	
4,000.00	3,994.24	4,117.82	4,072.19	11.93	11.10	-151.049	8,045.83	970.17	8,250.57	8,231.02	19.55	422.093	
4,100.00	4,094.00	4,219.97	4,174.33	12.26	11.12	-151.078	8,044.92	969.26	8,255.69	8,235.73	19.96	413.574	
4,200.00	4,193.75	4,316.60	4,270.96	12.59	11.17	-151.104	8,044.06	968.69	8,260.84	8,240.43	20.41	404.661	
4,300.00	4,293.51	4,425.93	4,380.29	12.93	11.33	-151.131	8,043.02	968.36	8,265.98	8,245.04	20.94	394.758	
4,400.00	4,393.27	4,539.36	4,493.71	13.26	11.52	-151.157	8,041.74	968.26	8,270.96	8,249.45	21.50	384.611	
4,500.00	4,493.02	20,841.09	12,690.75	13.60	121.34	-103.946	-247.98	927.99	8,241.94	8,160.22	81.71	100.867	
4,600.00	4,592.78	20,845.88	12,690.71	13.94	121.41	-103.862	-252.77	928.03	8,142.39	8,060.48	81.91	99.407	
4,700.00	4,692.54	20,850.69	12,690.67	14.28	121.48	-103.376	-257.58	928.08	8,042.86	7,960.75	82.11	97.950	
4,800.00	4,792.29	20,855.50	12,690.63	14.62	121.55	-103.087	-262.39	928.13	7,943.33	7,861.02	82.32	96.498	
4,900.00	4,892.05	20,860.32	12,690.59	14.97	121.61	-102.795	-267.21	928.19	7,843.82	7,761.29	82.52	95.049	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - Deep - Cattleman Fed Com 434H - OH / 67733 - Surveys (H&P 474)													Offset Site Error:	0.00 usft
Survey Program:		174-MWD+HRGM					Rule Assigned:				Offset Well Error:		1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,000.00	4,991.81	20,865.14	12,690.55	15.31	121.68	-102.501	-272.03	928.25	7,744.31	7,661.57	82.73	93.604		
5,100.00	5,091.56	20,869.98	12,690.51	15.66	121.75	-102.203	-276.87	928.31	7,644.81	7,561.86	82.95	92.163		
5,200.00	5,191.32	20,877.00	12,690.46	16.00	121.85	-101.768	-283.89	928.41	7,545.32	7,462.14	83.18	90.709		
5,300.00	5,291.08	20,877.00	12,690.46	16.35	121.85	-101.768	-283.89	928.41	7,445.84	7,362.48	83.37	89.315		
5,400.00	5,390.83	20,877.00	12,690.46	16.70	121.85	-101.768	-283.89	928.41	7,346.38	7,262.82	83.55	87.924		
5,500.00	5,490.59	20,877.00	12,690.46	17.05	121.85	-101.768	-283.89	928.41	7,246.93	7,163.18	83.74	86.536		
5,600.00	5,590.35	20,877.00	12,690.46	17.40	121.85	-101.768	-283.89	928.41	7,147.49	7,063.55	83.94	85.151		
5,700.00	5,690.10	20,877.00	12,690.46	17.75	121.85	-101.768	-283.89	928.41	7,048.07	6,963.94	84.14	83.770		
5,800.00	5,789.86	20,877.00	12,690.46	18.10	121.85	-101.768	-283.89	928.41	6,948.67	6,864.33	84.34	82.393		
5,900.00	5,889.62	20,877.00	12,690.46	18.46	121.85	-101.768	-283.89	928.41	6,849.28	6,764.75	84.54	81.019		
6,000.00	5,989.37	20,877.00	12,690.46	18.81	121.85	-101.768	-283.89	928.41	6,749.92	6,665.17	84.75	79.649		
6,100.00	6,089.13	20,877.00	12,690.46	19.16	121.85	-101.768	-283.89	928.41	6,650.57	6,565.61	84.96	78.283		
6,200.00	6,188.89	20,877.00	12,690.46	19.52	121.85	-101.768	-283.89	928.41	6,551.24	6,466.07	85.17	76.921		
6,300.00	6,288.64	20,877.00	12,690.46	19.87	121.85	-101.768	-283.89	928.41	6,451.94	6,366.55	85.38	75.563		
6,400.00	6,388.40	20,877.00	12,690.46	20.22	121.85	-101.768	-283.89	928.41	6,352.65	6,267.05	85.60	74.210		
6,500.00	6,488.16	20,906.17	12,690.31	20.58	122.26	-99.909	-313.05	928.87	6,253.22	6,167.18	86.04	72.676		
6,600.00	6,587.91	20,908.78	12,690.31	20.94	122.30	-99.738	-315.66	928.91	6,153.95	6,067.66	86.29	71.318		
6,700.00	6,687.67	20,911.44	12,690.30	21.29	122.34	-99.564	-318.32	928.96	6,054.70	5,968.16	86.54	69.965		
6,800.00	6,787.43	20,914.15	12,690.30	21.65	122.37	-99.386	-321.03	929.01	5,955.47	5,868.68	86.79	68.616		
6,900.00	6,887.18	20,916.91	12,690.30	22.01	122.41	-99.204	-323.79	929.06	5,856.27	5,769.22	87.05	67.273		
7,000.00	6,986.94	20,919.73	12,690.31	22.36	122.45	-99.018	-326.61	929.11	5,757.09	5,669.77	87.31	65.935		
7,100.00	7,086.70	20,922.59	12,690.31	22.72	122.49	-98.827	-329.47	929.16	5,657.93	5,570.35	87.58	64.602		
7,200.00	7,186.45	20,925.52	12,690.32	23.08	122.53	-98.632	-332.40	929.22	5,558.81	5,470.95	87.85	63.274		
7,300.00	7,286.21	20,928.50	12,690.32	23.44	122.58	-98.432	-335.38	929.27	5,459.71	5,371.58	88.13	61.952		
7,400.00	7,385.97	20,931.53	12,690.33	23.80	122.62	-98.227	-338.41	929.33	5,360.64	5,272.23	88.41	60.634		
7,500.00	7,485.72	20,934.63	12,690.35	24.16	122.66	-98.018	-341.51	929.39	5,261.60	5,172.90	88.69	59.323		
7,600.00	7,585.48	20,937.80	12,690.36	24.52	122.71	-97.803	-344.67	929.46	5,162.59	5,073.61	88.98	58.017		
7,700.00	7,685.24	20,941.02	12,690.38	24.88	122.75	-97.583	-347.90	929.52	5,063.62	4,974.34	89.28	56.717		
7,800.00	7,784.99	20,944.31	12,690.40	25.24	122.80	-97.357	-351.19	929.59	4,964.69	4,875.11	89.58	55.422		
7,900.00	7,884.75	20,972.00	12,690.66	25.60	123.19	-95.421	-378.87	930.21	4,865.92	4,775.85	90.07	54.022		
8,000.00	7,984.51	20,972.00	12,690.66	25.96	123.19	-95.421	-378.87	930.21	4,767.03	4,676.67	90.36	52.757		
8,100.00	8,084.26	20,972.00	12,690.66	26.32	123.19	-95.421	-378.87	930.21	4,668.19	4,577.54	90.65	51.497		
8,200.00	8,184.02	20,972.00	12,690.66	26.68	123.19	-95.421	-378.87	930.21	4,569.40	4,478.46	90.95	50.243		
8,300.00	8,283.78	20,972.00	12,690.66	27.04	123.19	-95.421	-378.87	930.21	4,470.67	4,379.42	91.25	48.996		
8,400.00	8,383.53	20,972.00	12,690.66	27.40	123.19	-95.421	-378.87	930.21	4,371.99	4,280.43	91.55	47.754		
8,500.00	8,483.29	20,972.00	12,690.66	27.76	123.19	-95.421	-378.87	930.21	4,273.37	4,181.50	91.87	46.518		
8,600.00	8,583.05	20,972.00	12,690.66	28.12	123.19	-95.421	-378.87	930.21	4,174.82	4,082.63	92.18	45.288		
8,700.00	8,682.80	20,972.00	12,690.66	28.48	123.19	-95.421	-378.87	930.21	4,076.34	3,983.83	92.51	44.064		
8,800.00	8,782.56	20,985.85	12,690.84	28.85	123.39	-94.426	-392.72	930.54	3,977.90	3,884.95	92.95	42.794		
8,900.00	8,882.32	20,991.88	12,690.92	29.21	123.47	-93.987	-398.74	930.70	3,879.54	3,786.20	93.34	41.561		
9,000.00	8,982.07	20,997.96	12,691.01	29.57	123.56	-93.541	-404.82	930.86	3,781.26	3,687.51	93.74	40.336		
9,100.00	9,081.83	21,004.09	12,691.09	29.93	123.64	-93.088	-410.95	931.03	3,683.05	3,588.90	94.15	39.118		
9,200.00	9,181.59	21,010.28	12,691.18	30.30	123.73	-92.627	-417.13	931.20	3,584.93	3,490.36	94.57	37.907		
9,300.00	9,281.34	21,016.52	12,691.28	30.66	123.82	-92.159	-423.37	931.38	3,486.90	3,391.90	95.00	36.704		
9,400.00	9,381.10	21,022.82	12,691.37	31.02	123.91	-91.683	-429.66	931.57	3,388.98	3,293.53	95.44	35.508		
9,500.00	9,480.86	21,029.17	12,691.47	31.39	124.00	-91.200	-436.01	931.76	3,291.16	3,195.26	95.90	34.319		
9,600.00	9,580.61	21,035.58	12,691.57	31.75	124.09	-90.709	-442.41	931.97	3,193.46	3,097.09	96.37	33.138		
9,700.00	9,680.37	21,042.04	12,691.67	32.11	124.18	-90.209	-448.88	932.17	3,095.89	2,999.04	96.85	31.965		
9,800.00	9,780.13	21,048.57	12,691.78	32.48	124.27	-89.702	-455.40	932.39	2,998.47	2,901.11	97.35	30.800		
9,900.00	9,879.88	21,055.15	12,691.89	32.84	124.36	-89.186	-461.98	932.61	2,901.20	2,803.32	97.87	29.642		
10,000.00	9,979.64	21,067.00	12,692.10	33.20	124.53	-88.250	-473.82	933.03	2,804.11	2,705.64	98.47	28.478		
10,100.00	10,079.39	21,068.85	12,692.13	33.57	124.56	-88.103	-475.66	933.10	2,707.20	2,608.21	98.99	27.349		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - Deep - Cattleman Fed Com 434H - OH / 67733 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 174-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.00	10,179.15	21,077.14	12,692.28	33.93	124.68	-87.440	-483.94	933.40	2,610.50	2,510.91	99.59	26.212	
10,300.00	10,278.91	21,085.42	12,692.42	34.29	124.79	-86.773	-492.22	933.69	2,514.03	2,413.80	100.23	25.083	
10,400.00	10,378.66	21,093.71	12,692.57	34.66	124.91	-86.100	-500.50	933.99	2,417.83	2,316.93	100.90	23.963	
10,500.00	10,478.42	21,102.00	12,692.72	35.02	125.03	-85.423	-508.78	934.29	2,321.91	2,220.30	101.61	22.852	
10,600.00	10,578.18	21,110.28	12,692.86	35.39	125.14	-84.741	-517.06	934.59	2,226.32	2,123.96	102.36	21.750	
10,700.00	10,677.93	21,118.57	12,693.01	35.75	125.26	-84.054	-525.34	934.88	2,131.11	2,027.95	103.16	20.658	
10,800.00	10,777.69	21,126.85	12,693.15	36.12	125.38	-83.364	-533.62	935.18	2,036.32	1,932.30	104.02	19.576	
10,900.00	10,877.45	21,131.00	12,693.23	36.48	125.44	-83.017	-537.76	935.33	1,942.02	1,837.12	104.90	18.513	
11,000.00	10,977.20	21,131.00	12,693.23	36.85	125.44	-83.017	-537.76	935.33	1,848.32	1,742.52	105.80	17.470	
11,100.00	11,076.96	21,131.00	12,693.23	37.21	125.44	-83.017	-537.76	935.33	1,755.31	1,648.53	106.78	16.438	
11,200.00	11,176.72	21,131.00	12,693.23	37.57	125.44	-83.017	-537.76	935.33	1,663.11	1,555.25	107.86	15.419	
11,300.00	11,276.47	21,131.00	12,693.23	37.94	125.44	-83.017	-537.76	935.33	1,571.87	1,462.82	109.05	14.414	
11,400.00	11,376.23	21,131.00	12,693.23	38.30	125.44	-83.017	-537.76	935.33	1,481.76	1,371.38	110.38	13.424	
11,500.00	11,475.99	21,131.00	12,693.23	38.67	125.44	-83.017	-537.76	935.33	1,393.00	1,281.14	111.86	12.453	
11,510.34	11,486.30	21,131.00	12,693.23	38.71	125.44	-83.017	-537.76	935.33	1,383.91	1,271.89	112.02	12.354	
11,600.00	11,575.83	21,131.00	12,693.23	39.02	125.44	-79.895	-537.76	935.33	1,305.96	1,192.41	113.55	11.501	
11,700.00	11,675.80	21,131.00	12,693.23	39.33	125.44	-76.769	-537.76	935.33	1,221.25	1,105.71	115.53	10.570	
11,710.24	11,686.04	21,131.00	12,693.23	39.34	125.44	80.922	-537.76	935.33	1,212.73	1,096.97	115.75	10.477	
11,800.00	11,775.80	21,131.00	12,693.23	39.34	125.44	80.922	-537.76	935.33	1,139.28	1,021.47	117.81	9.671	
11,900.00	11,875.80	21,131.00	12,693.23	39.35	125.44	80.922	-537.76	935.33	1,060.41	940.02	120.39	8.808	
12,000.00	11,975.80	21,131.00	12,693.23	39.35	125.44	80.922	-537.76	935.33	985.38	862.10	123.29	7.993	
12,100.00	12,075.80	21,131.00	12,693.23	39.36	125.44	80.922	-537.76	935.33	915.15	788.64	126.51	7.234	
12,200.00	12,175.80	21,131.00	12,693.23	39.36	125.44	80.922	-537.76	935.33	850.89	720.90	129.99	6.546	
12,210.24	12,186.04	21,131.00	12,693.23	39.36	125.44	80.922	-537.76	935.33	844.70	714.35	130.35	6.480	
12,250.00	12,225.77	21,131.00	12,693.23	39.43	125.44	-101.317	-537.76	935.33	821.63	689.88	131.75	6.236	
12,300.00	12,275.43	21,131.00	12,693.23	39.69	125.44	-104.361	-537.76	935.33	795.17	661.76	133.40	5.961	
12,350.00	12,324.42	21,131.00	12,693.23	39.98	125.44	-106.881	-537.76	935.33	772.00	637.15	134.85	5.725	
12,400.00	12,372.35	21,131.00	12,693.23	40.29	125.44	-108.883	-537.76	935.33	752.63	616.61	136.02	5.533	
12,450.00	12,418.86	21,131.00	12,693.23	40.60	125.44	-110.380	-537.76	935.33	737.50	600.66	136.84	5.390	
12,500.00	12,463.61	21,131.00	12,693.23	40.91	125.44	-111.385	-537.76	935.33	726.99	589.75	137.24	5.297	
12,550.00	12,506.24	21,131.00	12,693.23	41.22	125.44	-111.909	-537.76	935.33	721.39	584.19	137.21	5.258 SF	
12,580.22	12,530.84	21,131.00	12,693.23	41.39	125.44	-111.996	-537.76	935.33	720.46	583.49	136.97	5.260 CC, ES	
12,600.00	12,546.43	21,131.00	12,693.23	41.50	125.44	-111.959	-537.76	935.33	720.86	584.14	136.73	5.272	
12,650.00	12,583.88	21,131.00	12,693.23	41.78	125.44	-111.534	-537.76	935.33	725.41	589.58	135.83	5.340	
12,700.00	12,618.30	21,131.00	12,693.23	42.03	125.44	-110.630	-537.76	935.33	734.91	600.33	134.58	5.461	
12,750.00	12,649.43	21,131.00	12,693.23	42.27	125.44	-109.237	-537.76	935.33	749.10	616.09	133.01	5.632	
12,800.00	12,677.04	21,131.00	12,693.23	42.47	125.44	-107.341	-537.76	935.33	767.63	636.43	131.20	5.851	
12,850.00	12,700.91	21,131.00	12,693.23	42.66	125.44	-104.930	-537.76	935.33	790.04	660.84	129.20	6.115	
12,900.00	12,720.86	21,131.00	12,693.23	42.81	125.44	-101.996	-537.76	935.33	815.86	688.79	127.07	6.421	
12,950.00	12,736.74	21,131.00	12,693.23	42.94	125.44	-98.541	-537.76	935.33	844.58	719.73	124.85	6.765	
13,000.00	12,748.43	21,131.00	12,693.23	43.04	125.44	-94.586	-537.76	935.33	875.72	753.13	122.59	7.143	
13,050.00	12,755.84	21,131.00	12,693.23	43.11	125.44	-90.177	-537.76	935.33	908.80	788.46	120.33	7.552	
13,100.00	12,758.91	21,131.00	12,693.23	43.15	125.44	-85.394	-537.76	935.33	943.38	825.27	118.10	7.988	
13,110.24	12,759.00	21,131.00	12,693.23	43.16	125.44	-84.377	-537.76	935.33	950.61	832.95	117.65	8.080	
13,200.00	12,759.00	21,131.00	12,693.23	43.21	125.44	-84.377	-537.76	935.33	1,016.14	902.30	113.84	8.926	
13,300.00	12,759.00	21,131.00	12,693.23	43.28	125.44	-84.377	-537.76	935.33	1,093.21	983.30	109.91	9.946	
13,400.00	12,759.00	21,131.00	12,693.23	43.36	125.44	-84.377	-537.76	935.33	1,173.75	1,067.41	106.33	11.038	
13,500.00	12,759.00	21,131.00	12,693.23	43.45	125.44	-84.377	-537.76	935.33	1,257.08	1,153.98	103.10	12.193	
13,600.00	12,759.00	21,131.00	12,693.23	43.56	125.44	-84.377	-537.76	935.33	1,342.70	1,242.51	100.19	13.402	
13,700.00	12,759.00	21,131.00	12,693.23	43.70	125.44	-84.377	-537.76	935.33	1,430.18	1,332.60	97.58	14.657	
13,800.00	12,759.00	21,131.00	12,693.23	43.86	125.44	-84.377	-537.76	935.33	1,519.20	1,423.96	95.24	15.951	
13,900.00	12,759.00	21,131.00	12,693.23	44.05	125.44	-84.377	-537.76	935.33	1,609.52	1,516.37	93.14	17.280	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - Deep - Cattleman Fed Com 434H - OH / 67733 - Surveys (H&P 474)													Offset Site Error:	0.00 usft	
Survey Program:		174-MWD+HRGM								Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,000.00	12,759.00	21,131.00	12,693.23	44.28	125.44	-84.377	-537.76	935.33	1,700.92	1,609.65	91.27	18.637			
14,100.00	12,759.00	21,131.00	12,693.23	44.57	125.44	-84.377	-537.76	935.33	1,793.24	1,703.66	89.58	20.019			
14,200.00	12,759.00	21,131.00	12,693.23	44.91	125.44	-84.377	-537.76	935.33	1,886.34	1,798.27	88.06	21.420			
14,300.00	12,759.00	21,131.00	12,693.23	45.32	125.44	-84.377	-537.76	935.33	1,980.11	1,893.41	86.70	22.839			
14,400.00	12,759.00	21,131.00	12,693.23	45.81	125.44	-84.377	-537.76	935.33	2,074.47	1,989.00	85.47	24.272			
14,500.00	12,759.00	21,131.00	12,693.23	46.40	125.44	-84.377	-537.76	935.33	2,169.33	2,084.97	84.35	25.717			
14,600.00	12,759.00	21,131.00	12,693.23	47.09	125.44	-84.377	-537.76	935.33	2,264.63	2,181.28	83.35	27.171			
14,700.00	12,759.00	21,131.00	12,693.23	47.88	125.44	-84.377	-537.76	935.33	2,360.32	2,277.89	82.44	28.632			
14,800.00	12,759.00	21,131.00	12,693.23	48.76	125.44	-84.377	-537.76	935.33	2,456.36	2,374.75	81.61	30.100			
14,900.00	12,759.00	21,131.00	12,693.23	49.72	125.44	-84.377	-537.76	935.33	2,552.70	2,471.84	80.86	31.571			
15,000.00	12,759.00	21,131.00	12,693.23	50.75	125.44	-84.377	-537.76	935.33	2,649.31	2,569.14	80.17	33.045			
15,100.00	12,759.00	21,131.00	12,693.23	51.84	125.44	-84.377	-537.76	935.33	2,746.16	2,666.62	79.55	34.522			
15,200.00	12,759.00	21,131.00	12,693.23	52.98	125.44	-84.377	-537.76	935.33	2,843.24	2,764.26	78.98	35.999			
15,300.00	12,759.00	21,131.00	12,693.23	54.15	125.44	-84.377	-537.76	935.33	2,940.50	2,862.04	78.46	37.477			
15,400.00	12,759.00	21,131.00	12,693.23	55.36	125.44	-84.377	-537.76	935.33	3,037.95	2,959.96	77.99	38.954			
15,500.00	12,759.00	21,131.00	12,693.23	56.60	125.44	-84.377	-537.76	935.33	3,135.56	3,058.00	77.55	40.430			
15,600.00	12,759.00	21,131.00	12,693.23	57.85	125.44	-84.377	-537.76	935.33	3,233.31	3,156.15	77.16	41.905			
15,700.00	12,759.00	21,131.00	12,693.23	59.13	125.44	-84.377	-537.76	935.33	3,331.19	3,254.40	76.80	43.377			
15,800.00	12,759.00	21,131.00	12,693.23	60.42	125.44	-84.377	-537.76	935.33	3,429.20	3,352.74	76.46	44.847			
15,900.00	12,759.00	21,131.00	12,693.23	61.72	125.44	-84.377	-537.76	935.33	3,527.32	3,451.16	76.16	46.314			
16,000.00	12,759.00	21,131.00	12,693.23	63.04	125.44	-84.377	-537.76	935.33	3,625.54	3,549.66	75.88	47.778			
16,100.00	12,759.00	21,131.00	12,693.23	64.36	125.44	-84.377	-537.76	935.33	3,723.86	3,648.23	75.63	49.239			
16,200.00	12,759.00	21,131.00	12,693.23	65.69	125.44	-84.377	-537.76	935.33	3,822.27	3,746.87	75.40	50.696			
16,300.00	12,759.00	21,131.00	12,693.23	67.03	125.44	-84.377	-537.76	935.33	3,920.75	3,845.57	75.18	52.149			
16,400.00	12,759.00	21,131.00	12,693.23	68.37	125.44	-84.377	-537.76	935.33	4,019.31	3,944.32	74.99	53.599			
16,500.00	12,759.00	21,131.00	12,693.23	69.73	125.44	-84.377	-537.76	935.33	4,117.94	4,043.13	74.81	55.044			
16,600.00	12,759.00	21,131.00	12,693.23	71.08	125.44	-84.377	-537.76	935.33	4,216.64	4,141.98	74.65	56.485			
16,700.00	12,759.00	21,131.00	12,693.23	72.44	125.44	-84.377	-537.76	935.33	4,315.39	4,240.89	74.50	57.922			
16,800.00	12,759.00	21,131.00	12,693.23	73.81	125.44	-84.377	-537.76	935.33	4,414.20	4,339.83	74.37	59.354			
16,900.00	12,759.00	21,131.00	12,693.23	75.18	125.44	-84.377	-537.76	935.33	4,513.06	4,438.81	74.25	60.782			
17,000.00	12,759.00	21,131.00	12,693.23	76.55	125.44	-84.377	-537.76	935.33	4,611.97	4,537.83	74.14	62.205			
17,100.00	12,759.00	21,131.00	12,693.23	77.92	125.44	-84.377	-537.76	935.33	4,710.93	4,636.89	74.04	63.623			
17,200.00	12,759.00	21,131.00	12,693.23	79.30	125.44	-84.377	-537.76	935.33	4,809.93	4,735.98	73.96	65.037			
17,300.00	12,759.00	21,131.00	12,693.23	80.68	125.44	-84.377	-537.76	935.33	4,908.97	4,835.09	73.88	66.446			
17,400.00	12,759.00	21,131.00	12,693.23	82.07	125.44	-84.377	-537.76	935.33	5,008.05	4,934.24	73.81	67.851			
17,500.00	12,759.00	21,131.00	12,693.23	83.45	125.44	-84.377	-537.76	935.33	5,107.17	5,033.42	73.75	69.250			
17,600.00	12,759.00	21,131.00	12,693.23	84.84	125.44	-84.377	-537.76	935.33	5,206.32	5,132.62	73.70	70.645			
17,700.00	12,759.00	21,131.00	12,693.23	86.23	125.44	-84.377	-537.76	935.33	5,305.50	5,231.85	73.65	72.035			
17,800.00	12,759.00	21,131.00	12,693.23	87.62	125.44	-84.377	-537.76	935.33	5,404.71	5,331.10	73.61	73.419			
17,900.00	12,759.00	21,131.00	12,693.23	89.01	125.44	-84.377	-537.76	935.33	5,503.95	5,430.37	73.58	74.799			
18,000.00	12,759.00	21,131.00	12,693.23	90.41	125.44	-84.377	-537.76	935.33	5,603.22	5,529.66	73.56	76.174			
18,100.00	12,759.00	21,131.00	12,693.23	91.80	125.44	-84.377	-537.76	935.33	5,702.51	5,628.97	73.54	77.545			
18,200.00	12,759.00	21,131.00	12,693.23	93.20	125.44	-84.377	-537.76	935.33	5,801.83	5,728.30	73.52	78.910			
18,300.00	12,759.00	21,131.00	12,693.23	94.60	125.44	-84.377	-537.76	935.33	5,901.16	5,827.65	73.52	80.270			
18,400.00	12,759.00	21,131.00	12,693.23	96.00	125.44	-84.377	-537.76	935.33	6,000.53	5,927.01	73.51	81.625			
18,500.00	12,759.00	21,131.00	12,693.23	97.40	125.44	-84.377	-537.76	935.33	6,099.91	6,026.39	73.52	82.975			
18,600.00	12,759.00	21,131.00	12,693.23	98.81	125.44	-84.377	-537.76	935.33	6,199.31	6,125.79	73.52	84.320			
18,700.00	12,759.00	21,131.00	12,693.23	100.21	125.44	-84.377	-537.76	935.33	6,298.73	6,225.20	73.53	85.660			
18,800.00	12,759.00	21,131.00	12,693.23	101.62	125.44	-84.377	-537.76	935.33	6,398.17	6,324.63	73.55	86.995			
18,900.00	12,759.00	21,131.00	12,693.23	103.02	125.44	-84.377	-537.76	935.33	6,497.63	6,424.06	73.56	88.325			
19,000.00	12,759.00	21,131.00	12,693.23	104.43	125.44	-84.377	-537.76	935.33	6,597.10	6,523.51	73.59	89.650			
19,100.00	12,759.00	21,131.00	12,693.23	105.84	125.44	-84.377	-537.76	935.33	6,696.59	6,622.98	73.61	90.970			

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - Deep - Cattleman Fed Com 434H - OH / 67733 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 174-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>		<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
19,200.00	12,759.00	21,131.00	12,693.23	107.24	125.44	-84.377	-537.76	935.33	6,796.09	6,722.45	73.64	92.285	
19,300.00	12,759.00	21,131.00	12,693.23	108.65	125.44	-84.377	-537.76	935.33	6,895.61	6,821.94	73.68	93.595	
19,400.00	12,759.00	21,131.00	12,693.23	110.06	125.44	-84.377	-537.76	935.33	6,995.14	6,921.43	73.71	94.899	
19,500.00	12,759.00	21,131.00	12,693.23	111.47	125.44	-84.377	-537.76	935.33	7,094.69	7,020.94	73.75	96.199	
19,600.00	12,759.00	21,131.00	12,693.23	112.89	125.44	-84.377	-537.76	935.33	7,194.25	7,120.46	73.79	97.493	
19,700.00	12,759.00	21,131.00	12,693.23	114.30	125.44	-84.377	-537.76	935.33	7,293.82	7,219.98	73.84	98.783	
19,800.00	12,759.00	21,131.00	12,693.23	115.71	125.44	-84.377	-537.76	935.33	7,393.40	7,319.51	73.88	100.067	
19,900.00	12,759.00	21,131.00	12,693.23	117.12	125.44	-84.377	-537.76	935.33	7,492.99	7,419.06	73.93	101.346	
20,000.00	12,759.00	21,131.00	12,693.23	118.54	125.44	-84.377	-537.76	935.33	7,592.59	7,518.61	73.99	102.621	
20,100.00	12,759.00	21,131.00	12,693.23	119.95	125.44	-84.377	-537.76	935.33	7,692.21	7,618.17	74.04	103.890	
20,200.00	12,759.00	21,131.00	12,693.23	121.37	125.44	-84.377	-537.76	935.33	7,791.83	7,717.73	74.10	105.154	
20,300.00	12,759.00	21,131.00	12,693.23	122.78	125.44	-84.377	-537.76	935.33	7,891.46	7,817.30	74.16	106.412	
20,400.00	12,759.00	21,131.00	12,693.23	124.20	125.44	-84.377	-537.76	935.33	7,991.11	7,916.88	74.22	107.666	
20,500.00	12,759.00	21,131.00	12,693.23	125.61	125.44	-84.377	-537.76	935.33	8,090.76	8,016.47	74.29	108.915	
20,600.00	12,759.00	21,131.00	12,693.23	127.03	125.44	-84.377	-537.76	935.33	8,190.42	8,116.07	74.35	110.158	
20,700.00	12,759.00	21,131.00	12,693.23	128.45	125.44	-84.377	-537.76	935.33	8,290.08	8,215.66	74.42	111.397	
20,800.00	12,759.00	21,131.00	12,693.23	129.87	125.44	-84.377	-537.76	935.33	8,389.76	8,315.27	74.49	112.630	
20,900.00	12,759.00	21,131.00	12,693.23	131.29	125.44	-84.377	-537.76	935.33	8,489.44	8,414.88	74.56	113.858	
21,000.00	12,759.00	21,131.00	12,693.23	132.70	125.44	-84.377	-537.76	935.33	8,589.13	8,514.50	74.64	115.081	
21,100.00	12,759.00	21,131.00	12,693.23	134.12	125.44	-84.377	-537.76	935.33	8,688.83	8,614.12	74.71	116.299	
21,200.00	12,759.00	21,131.00	12,693.23	135.54	125.44	-84.377	-537.76	935.33	8,788.54	8,713.75	74.79	117.512	
21,300.00	12,759.00	21,131.00	12,693.23	136.96	125.44	-84.377	-537.76	935.33	8,888.25	8,813.38	74.87	118.720	
21,400.00	12,759.00	21,131.00	12,693.23	138.38	125.44	-84.377	-537.76	935.33	8,987.96	8,913.02	74.95	119.923	
21,500.00	12,759.00	21,131.00	12,693.23	139.80	125.44	-84.377	-537.76	935.33	9,087.69	9,012.66	75.03	121.120	
21,600.00	12,759.00	21,131.00	12,693.23	141.22	125.44	-84.377	-537.76	935.33	9,187.42	9,112.30	75.11	122.313	
21,700.00	12,759.00	21,131.00	12,693.23	142.65	125.44	-84.377	-537.76	935.33	9,287.15	9,211.95	75.20	123.500	
21,800.00	12,759.00	21,131.00	12,693.23	144.07	125.44	-84.377	-537.76	935.33	9,386.89	9,311.61	75.29	124.682	
21,900.00	12,759.00	21,131.00	12,693.23	145.49	125.44	-84.377	-537.76	935.33	9,486.64	9,411.27	75.37	125.859	
22,000.00	12,759.00	21,131.00	12,693.23	146.91	125.44	-84.377	-537.76	935.33	9,586.39	9,510.93	75.46	127.032	
22,100.00	12,759.00	21,131.00	12,693.23	148.33	125.44	-84.377	-537.76	935.33	9,686.15	9,610.59	75.56	128.198	
22,125.24	12,759.00	21,131.00	12,693.23	148.69	125.44	-84.377	-537.76	935.33	9,711.33	9,635.75	75.58	128.492	



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - Deep - Cattleman Fed Com 514H - OH / 67734 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 174-MWD+HDM+MS												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>	<b>+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>
0.00	0.00	79.78	37.78	1.00	1.01	6.468	8,042.52	911.78	8,094.12				
100.00	100.00	206.73	164.69	1.08	1.07	6.486	8,041.23	914.26	8,093.30	8,091.14	2.16	3,754.984	
200.00	200.00	284.00	241.96	1.60	1.20	6.494	8,040.70	915.21	8,092.73	8,089.93	2.80	2,893.254	
300.00	300.00	355.79	313.74	2.01	1.36	6.496	8,040.50	915.51	8,092.47	8,089.10	3.37	2,403.607	
394.70	394.70	436.74	394.70	2.33	1.57	6.497	8,040.40	915.70	8,092.38	8,088.48	3.90	2,074.235	
400.00	400.00	441.02	398.98	2.35	1.58	6.497	8,040.40	915.71	8,092.38	8,088.45	3.93	2,058.254	
500.00	500.00	527.66	485.61	2.65	1.83	6.500	8,040.46	916.15	8,092.50	8,088.02	4.48	1,805.430	
600.00	600.00	629.03	586.98	2.93	2.13	6.504	8,040.57	916.70	8,092.67	8,087.61	5.06	1,599.054	
700.00	700.00	718.74	676.69	3.18	2.41	6.500	8,040.79	916.19	8,092.85	8,087.27	5.58	1,449.335	
800.00	800.00	798.40	756.34	3.41	2.65	6.493	8,041.25	915.18	8,093.28	8,087.22	6.06	1,334.804	
900.00	900.00	894.76	852.69	3.64	2.96	6.483	8,042.00	913.81	8,093.89	8,087.30	6.59	1,228.051	
1,000.00	1,000.00	1,023.34	981.26	3.85	3.38	6.470	8,042.74	912.11	8,094.32	8,087.09	7.22	1,120.854	
1,100.00	1,100.00	1,118.10	1,076.00	4.05	3.69	6.461	8,043.10	910.81	8,094.55	8,086.81	7.74	1,045.982	
1,200.00	1,200.00	1,226.78	1,184.68	4.24	4.06	6.452	8,043.53	909.60	8,094.81	8,086.52	8.30	975.389	
1,300.00	1,300.00	1,331.66	1,289.56	4.43	4.42	6.447	8,043.77	908.99	8,094.97	8,086.13	8.84	915.366	
1,400.00	1,400.00	1,453.17	1,411.06	4.61	4.83	6.444	8,043.92	908.54	8,095.07	8,085.63	9.44	857.514	
1,500.00	1,500.00	1,614.24	1,572.04	4.78	5.38	6.480	8,042.44	913.44	8,094.47	8,084.31	10.16	796.520	
1,528.10	1,528.10	1,639.68	1,597.45	4.83	5.47	-150.906	8,042.09	914.65	8,094.36	8,084.06	10.30	785.944	
1,600.00	1,599.98	1,716.93	1,674.60	4.98	5.73	-150.877	8,040.98	918.44	8,095.13	8,084.44	10.68	757.686	
1,699.91	1,699.74	1,817.71	1,775.23	5.60	6.08	-150.822	8,039.40	923.59	8,098.72	8,087.18	11.54	701.697	
1,800.00	1,799.59	1,900.19	1,857.59	5.91	6.37	-150.810	8,038.22	927.97	8,104.00	8,091.90	12.10	669.790	
1,900.00	1,899.35	1,988.16	1,945.42	6.08	6.67	-150.796	8,037.10	932.83	8,109.45	8,096.89	12.57	645.256	
2,000.00	1,999.11	2,082.13	2,039.23	6.27	7.00	-150.781	8,035.98	938.17	8,115.01	8,101.94	13.07	620.792	
2,100.00	2,098.86	2,170.69	2,127.63	6.47	7.31	-150.764	8,035.00	943.42	8,120.67	8,107.10	13.57	598.394	
2,200.00	2,198.62	2,254.00	2,210.78	6.68	7.61	-150.748	8,034.20	948.52	8,126.50	8,112.44	14.06	577.860	
2,300.00	2,298.38	2,340.89	2,297.49	6.91	7.92	-150.730	8,033.50	954.00	8,132.52	8,117.94	14.58	557.815	
2,400.00	2,398.13	2,418.41	2,374.85	7.15	8.19	-150.712	8,033.02	959.09	8,138.75	8,123.67	15.07	539.991	
2,500.00	2,497.89	2,498.49	2,454.73	7.41	8.48	-150.693	8,032.72	964.57	8,145.24	8,129.66	15.58	522.707	
2,600.00	2,597.65	2,584.21	2,540.24	7.67	8.79	-150.671	8,032.56	970.58	8,151.96	8,135.83	16.12	505.641	
2,700.00	2,697.40	2,665.65	2,621.48	7.94	9.08	-150.650	8,032.53	976.37	8,158.83	8,142.17	16.65	489.923	
2,800.00	2,797.16	2,916.07	2,871.38	8.21	9.98	-150.599	8,031.15	992.19	8,165.37	8,147.57	17.80	458.713	
2,900.00	2,896.92	2,999.38	2,954.53	8.50	10.27	-150.584	8,029.90	997.03	8,170.63	8,152.28	18.35	445.221	
3,000.00	2,996.67	3,077.10	3,032.09	8.79	10.55	-150.568	8,028.87	1,001.90	8,176.14	8,157.25	18.89	432.860	
3,100.00	3,096.43	3,141.35	3,096.22	9.08	10.79	-150.554	8,028.21	1,006.00	8,181.97	8,162.59	19.38	422.161	
3,200.00	3,196.19	3,202.00	3,156.75	9.38	11.01	-150.543	8,027.96	1,009.61	8,188.31	8,168.45	19.86	412.211	
3,300.00	3,295.94	3,266.62	3,221.26	9.69	11.24	-150.533	8,027.99	1,013.41	8,195.12	8,174.75	20.37	402.403	
3,400.00	3,395.70	3,340.37	3,294.87	10.00	11.50	-150.519	8,028.25	1,017.98	8,202.27	8,181.36	20.90	392.391	
3,500.00	3,495.46	3,415.53	3,369.87	10.31	11.78	-150.503	8,028.70	1,022.87	8,209.71	8,188.26	21.45	382.744	
3,600.00	3,595.21	3,486.00	3,440.17	10.63	12.03	-150.486	8,029.32	1,027.78	8,217.48	8,195.50	21.98	373.833	
3,700.00	3,694.97	3,551.56	3,505.54	10.95	12.27	-150.470	8,030.11	1,032.57	8,225.63	8,203.13	22.50	365.611	
3,800.00	3,794.73	3,617.61	3,571.40	11.27	12.51	-150.452	8,031.19	1,037.51	8,234.21	8,211.19	23.02	357.717	
3,900.00	3,894.48	3,700.93	3,654.46	11.60	12.81	-150.430	8,032.87	1,043.82	8,243.16	8,219.55	23.61	349.205	
4,000.00	3,994.24	3,829.41	3,782.64	11.93	13.28	-150.403	8,035.28	1,052.37	8,251.86	8,227.50	24.36	338.716	
4,100.00	4,094.00	3,929.65	3,882.64	12.26	13.64	-150.383	8,037.06	1,058.97	8,260.48	8,235.47	25.02	330.210	
4,200.00	4,193.75	4,032.72	3,985.45	12.59	14.01	-150.360	8,038.83	1,066.12	8,269.09	8,243.40	25.68	321.974	
4,300.00	4,293.51	4,182.11	4,134.44	12.93	14.56	-150.324	8,040.87	1,076.84	8,277.37	8,250.85	26.52	312.065	
4,400.00	4,393.27	4,291.11	4,243.17	13.26	14.95	-150.299	8,041.95	1,084.38	8,285.26	8,258.04	27.22	304.411	
4,500.00	4,493.02	4,397.68	4,349.49	13.60	15.34	-150.274	8,042.97	1,091.72	8,293.12	8,265.22	27.90	297.216	
4,600.00	4,592.78	4,488.94	4,440.53	13.94	15.68	-150.254	8,043.79	1,097.97	8,300.91	8,272.38	28.53	290.931	
4,700.00	4,692.54	4,566.04	4,517.45	14.28	15.96	-150.237	8,044.66	1,103.24	8,308.92	8,279.81	29.11	285.431	
4,800.00	4,792.29	4,984.57	4,934.99	14.62	17.48	-150.146	8,043.83	1,131.02	8,316.98	8,286.03	30.95	268.725	
4,900.00	4,892.05	21,341.00	13,039.03	14.97	121.71	-78.665	-518.92	1,409.67	8,259.11	8,178.36	80.75	102.285	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - Deep - Cattleman Fed Com 514H - OH / 67734 - Surveys (H&P 474)													Offset Site Error:	0.00 usft
Survey Program:		174-MWD+HDGM+MS					Rule Assigned:				Offset Well Error:		1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,000.00	4,991.81	21,341.00	13,039.03	15.31	121.71	-78.665	-518.92	1,409.67	8,160.05	8,079.11	80.94	100.817		
5,100.00	5,091.56	21,341.00	13,039.03	15.66	121.71	-78.665	-518.92	1,409.67	8,061.01	7,979.88	81.14	99.351		
5,200.00	5,191.32	21,341.00	13,039.03	16.00	121.71	-78.665	-518.92	1,409.67	7,962.00	7,880.66	81.34	97.888		
5,300.00	5,291.08	21,341.00	13,039.03	16.35	121.71	-78.665	-518.92	1,409.67	7,863.02	7,781.47	81.54	96.429		
5,400.00	5,390.83	21,341.00	13,039.03	16.70	121.71	-78.665	-518.92	1,409.67	7,764.06	7,682.31	81.75	94.972		
5,500.00	5,490.59	21,341.00	13,039.03	17.05	121.71	-78.665	-518.92	1,409.67	7,665.12	7,583.16	81.96	93.520		
5,600.00	5,590.35	21,341.00	13,039.03	17.40	121.71	-78.665	-518.92	1,409.67	7,566.22	7,484.04	82.18	92.070		
5,700.00	5,690.10	21,341.00	13,039.03	17.75	121.71	-78.665	-518.92	1,409.67	7,467.34	7,384.94	82.40	90.624		
5,800.00	5,789.86	21,341.00	13,039.03	18.10	121.71	-78.665	-518.92	1,409.67	7,368.50	7,285.87	82.62	89.182		
5,900.00	5,889.62	21,341.00	13,039.03	18.46	121.71	-78.665	-518.92	1,409.67	7,269.68	7,186.83	82.85	87.744		
6,000.00	5,989.37	21,341.00	13,039.03	18.81	121.71	-78.665	-518.92	1,409.67	7,170.90	7,087.82	83.08	86.310		
6,100.00	6,089.13	21,341.00	13,039.03	19.16	121.71	-78.665	-518.92	1,409.67	7,072.15	6,988.83	83.32	84.879		
6,200.00	6,188.89	21,341.00	13,039.03	19.52	121.71	-78.665	-518.92	1,409.67	6,973.44	6,889.88	83.56	83.453		
6,300.00	6,288.64	21,341.00	13,039.03	19.87	121.71	-78.665	-518.92	1,409.67	6,874.77	6,790.96	83.81	82.031		
6,400.00	6,388.40	21,341.00	13,039.03	20.22	121.71	-78.665	-518.92	1,409.67	6,776.13	6,692.08	84.06	80.614		
6,500.00	6,488.16	21,341.00	13,039.03	20.58	121.71	-78.665	-518.92	1,409.67	6,677.54	6,593.23	84.31	79.201		
6,600.00	6,587.91	21,341.00	13,039.03	20.94	121.71	-78.665	-518.92	1,409.67	6,578.99	6,494.42	84.57	77.793		
6,700.00	6,687.67	21,341.00	13,039.03	21.29	121.71	-78.665	-518.92	1,409.67	6,480.48	6,395.64	84.84	76.389		
6,800.00	6,787.43	21,341.00	13,039.03	21.65	121.71	-78.665	-518.92	1,409.67	6,382.02	6,296.91	85.10	74.990		
6,900.00	6,887.18	21,341.00	13,039.03	22.01	121.71	-78.665	-518.92	1,409.67	6,283.60	6,198.22	85.38	73.596		
7,000.00	6,986.94	21,341.00	13,039.03	22.36	121.71	-78.665	-518.92	1,409.67	6,185.24	6,099.58	85.66	72.207		
7,100.00	7,086.70	21,341.00	13,039.03	22.72	121.71	-78.665	-518.92	1,409.67	6,086.93	6,000.99	85.95	70.823		
7,200.00	7,186.45	21,341.00	13,039.03	23.08	121.71	-78.665	-518.92	1,409.67	5,988.68	5,902.44	86.24	69.445		
7,300.00	7,286.21	21,341.00	13,039.03	23.44	121.71	-78.665	-518.92	1,409.67	5,890.49	5,803.95	86.53	68.071		
7,400.00	7,385.97	21,341.00	13,039.03	23.80	121.71	-78.665	-518.92	1,409.67	5,792.36	5,705.52	86.84	66.703		
7,500.00	7,485.72	21,341.00	13,039.03	24.16	121.71	-78.665	-518.92	1,409.67	5,694.29	5,607.14	87.15	65.341		
7,600.00	7,585.48	21,341.00	13,039.03	24.52	121.71	-78.665	-518.92	1,409.67	5,596.29	5,508.83	87.46	63.984		
7,700.00	7,685.24	21,341.00	13,039.03	24.88	121.71	-78.665	-518.92	1,409.67	5,498.36	5,410.58	87.79	62.633		
7,800.00	7,784.99	21,341.00	13,039.03	25.24	121.71	-78.665	-518.92	1,409.67	5,400.51	5,312.40	88.12	61.288		
7,900.00	7,884.75	21,341.00	13,039.03	25.60	121.71	-78.665	-518.92	1,409.67	5,302.74	5,214.29	88.45	59.949		
8,000.00	7,984.51	21,341.00	13,039.03	25.96	121.71	-78.665	-518.92	1,409.67	5,205.06	5,116.26	88.80	58.616		
8,100.00	8,084.26	21,341.00	13,039.03	26.32	121.71	-78.665	-518.92	1,409.67	5,107.46	5,018.31	89.15	57.289		
8,200.00	8,184.02	21,341.00	13,039.03	26.68	121.71	-78.665	-518.92	1,409.67	5,009.96	4,920.45	89.52	55.968		
8,300.00	8,283.78	21,341.00	13,039.03	27.04	121.71	-78.665	-518.92	1,409.67	4,912.56	4,822.68	89.89	54.653		
8,400.00	8,383.53	21,341.00	13,039.03	27.40	121.71	-78.665	-518.92	1,409.67	4,815.27	4,725.00	90.27	53.345		
8,500.00	8,483.29	21,341.00	13,039.03	27.76	121.71	-78.665	-518.92	1,409.67	4,718.09	4,627.43	90.66	52.044		
8,600.00	8,583.05	21,341.00	13,039.03	28.12	121.71	-78.665	-518.92	1,409.67	4,621.03	4,529.97	91.06	50.749		
8,700.00	8,682.80	21,341.00	13,039.03	28.48	121.71	-78.665	-518.92	1,409.67	4,524.09	4,432.63	91.47	49.461		
8,800.00	8,782.56	21,341.00	13,039.03	28.85	121.71	-78.665	-518.92	1,409.67	4,427.30	4,335.41	91.89	48.180		
8,900.00	8,882.32	21,341.00	13,039.03	29.21	121.71	-78.665	-518.92	1,409.67	4,330.65	4,238.32	92.33	46.906		
9,000.00	8,982.07	21,341.00	13,039.03	29.57	121.71	-78.665	-518.92	1,409.67	4,234.15	4,141.38	92.78	45.639		
9,100.00	9,081.83	21,341.00	13,039.03	29.93	121.71	-78.665	-518.92	1,409.67	4,137.82	4,044.59	93.24	44.379		
9,200.00	9,181.59	21,341.00	13,039.03	30.30	121.71	-78.665	-518.92	1,409.67	4,041.67	3,947.96	93.72	43.127		
9,300.00	9,281.34	21,341.00	13,039.03	30.66	121.71	-78.665	-518.92	1,409.67	3,945.72	3,851.51	94.21	41.883		
9,400.00	9,381.10	21,341.00	13,039.03	31.02	121.71	-78.665	-518.92	1,409.67	3,849.96	3,755.24	94.72	40.646		
9,500.00	9,480.86	21,341.00	13,039.03	31.39	121.71	-78.665	-518.92	1,409.67	3,754.43	3,659.18	95.25	39.417		
9,600.00	9,580.61	21,341.00	13,039.03	31.75	121.71	-78.665	-518.92	1,409.67	3,659.14	3,563.34	95.80	38.196		
9,700.00	9,680.37	21,341.00	13,039.03	32.11	121.71	-78.665	-518.92	1,409.67	3,564.10	3,467.74	96.37	36.984		
9,800.00	9,780.13	21,341.00	13,039.03	32.48	121.71	-78.665	-518.92	1,409.67	3,469.35	3,372.39	96.96	35.780		
9,900.00	9,879.88	21,341.00	13,039.03	32.84	121.71	-78.665	-518.92	1,409.67	3,374.90	3,277.32	97.58	34.586		
10,000.00	9,979.64	21,341.00	13,039.03	33.20	121.71	-78.665	-518.92	1,409.67	3,280.77	3,182.54	98.23	33.400		
10,100.00	10,079.39	21,341.00	13,039.03	33.57	121.71	-78.665	-518.92	1,409.67	3,187.01	3,088.10	98.90	32.224		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - Deep - Cattleman Fed Com 514H - OH / 67734 - Surveys (H&P 474)													Offset Site Error:	0.00 usft
Survey Program:		174-MWD+HDGM+MS				Rule Assigned:				Offset Well Error:		1.00 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
10,200.00	10,179.15	21,341.00	13,039.03	33.93	121.71	-78.665	-518.92	1,409.67	3,093.63	2,994.02	99.61	31.057		
10,300.00	10,278.91	21,341.00	13,039.03	34.29	121.71	-78.665	-518.92	1,409.67	3,000.68	2,900.33	100.35	29.901		
10,400.00	10,378.66	21,341.00	13,039.03	34.66	121.71	-78.665	-518.92	1,409.67	2,908.20	2,807.06	101.14	28.755		
10,500.00	10,478.42	21,341.00	13,039.03	35.02	121.71	-78.665	-518.92	1,409.67	2,816.23	2,714.27	101.96	27.621		
10,600.00	10,578.18	21,341.00	13,039.03	35.39	121.71	-78.665	-518.92	1,409.67	2,724.83	2,622.00	102.83	26.499		
10,700.00	10,677.93	21,341.00	13,039.03	35.75	121.71	-78.665	-518.92	1,409.67	2,634.06	2,530.31	103.75	25.388		
10,800.00	10,777.69	21,341.00	13,039.03	36.12	121.71	-78.665	-518.92	1,409.67	2,543.97	2,439.25	104.73	24.292		
10,900.00	10,877.45	21,341.00	13,039.03	36.48	121.71	-78.665	-518.92	1,409.67	2,454.66	2,348.89	105.76	23.209		
11,000.00	10,977.20	21,341.00	13,039.03	36.85	121.71	-78.665	-518.92	1,409.67	2,366.19	2,259.33	106.87	22.142		
11,100.00	11,076.96	21,341.00	13,039.03	37.21	121.71	-78.665	-518.92	1,409.67	2,278.69	2,170.65	108.04	21.091		
11,200.00	11,176.72	21,341.00	13,039.03	37.57	121.71	-78.665	-518.92	1,409.67	2,192.25	2,082.95	109.30	20.058		
11,300.00	11,276.47	21,341.00	13,039.03	37.94	121.71	-78.665	-518.92	1,409.67	2,107.01	1,996.37	110.64	19.044		
11,400.00	11,376.23	21,341.00	13,039.03	38.30	121.71	-78.665	-518.92	1,409.67	2,023.13	1,911.05	112.07	18.052		
11,500.00	11,475.99	21,341.00	13,039.03	38.67	121.71	-78.665	-518.92	1,409.67	1,940.77	1,827.16	113.61	17.083		
11,510.34	11,486.30	21,341.00	13,039.03	38.71	121.71	-78.665	-518.92	1,409.67	1,932.35	1,818.58	113.77	16.984		
11,600.00	11,575.83	21,341.00	13,039.03	39.02	121.71	-76.302	-518.92	1,409.67	1,860.32	1,745.06	115.26	16.140		
11,700.00	11,675.80	21,341.00	13,039.03	39.33	121.71	-73.896	-518.92	1,409.67	1,782.38	1,665.31	117.07	15.225		
11,710.24	11,686.04	21,341.00	13,039.03	39.34	121.71	83.730	-518.92	1,409.67	1,774.55	1,657.29	117.26	15.134		
11,800.00	11,775.80	21,341.00	13,039.03	39.34	121.71	83.730	-518.92	1,409.67	1,707.10	1,588.13	118.98	14.348		
11,900.00	11,875.80	21,341.00	13,039.03	39.35	121.71	83.730	-518.92	1,409.67	1,634.49	1,513.49	121.00	13.508		
12,000.00	11,975.80	21,341.00	13,039.03	39.35	121.71	83.730	-518.92	1,409.67	1,564.90	1,441.76	123.14	12.709		
12,100.00	12,075.80	21,341.00	13,039.03	39.36	121.71	83.730	-518.92	1,409.67	1,498.76	1,373.39	125.36	11.955		
12,200.00	12,175.80	21,341.00	13,039.03	39.36	121.71	83.730	-518.92	1,409.67	1,436.53	1,308.88	127.65	11.253		
12,210.24	12,186.04	21,341.00	13,039.03	39.36	121.71	83.730	-518.92	1,409.67	1,430.40	1,302.51	127.89	11.185		
12,250.00	12,225.77	21,341.00	13,039.03	39.43	121.71	-98.557	-518.92	1,409.67	1,407.18	1,278.38	128.80	10.925		
12,300.00	12,275.43	21,341.00	13,039.03	39.69	121.71	-101.819	-518.92	1,409.67	1,379.56	1,249.64	129.92	10.618		
12,350.00	12,324.42	21,341.00	13,039.03	39.98	121.71	-104.716	-518.92	1,409.67	1,353.99	1,223.01	130.98	10.337		
12,400.00	12,372.35	21,341.00	13,039.03	40.29	121.71	-107.235	-518.92	1,409.67	1,330.79	1,198.83	131.97	10.084		
12,450.00	12,418.86	21,341.00	13,039.03	40.60	121.71	-109.372	-518.92	1,409.67	1,310.27	1,177.42	132.85	9.862		
12,500.00	12,463.61	21,341.00	13,039.03	40.91	121.71	-111.132	-518.92	1,409.67	1,292.72	1,159.09	133.63	9.674		
12,550.00	12,506.24	21,341.00	13,039.03	41.22	121.71	-112.522	-518.92	1,409.67	1,278.39	1,144.12	134.27	9.521		
12,600.00	12,546.43	21,341.00	13,039.03	41.50	121.71	-113.549	-518.92	1,409.67	1,267.50	1,132.72	134.78	9.404		
12,650.00	12,583.88	21,341.00	13,039.03	41.78	121.71	-114.221	-518.92	1,409.67	1,260.23	1,125.09	135.14	9.325		
12,700.00	12,618.30	21,341.00	13,039.03	42.03	121.71	-114.544	-518.92	1,409.67	1,256.70	1,121.33	135.37	9.283		
12,721.61	12,632.17	21,341.00	13,039.03	42.13	121.71	-114.576	-518.92	1,409.67	1,256.34	1,120.91	135.43	9.277	CC, ES, SF	
12,750.00	12,649.43	21,341.00	13,039.03	42.27	121.71	-114.521	-518.92	1,409.67	1,256.95	1,121.49	135.46	9.279		
12,800.00	12,677.04	21,341.00	13,039.03	42.47	121.71	-114.150	-518.92	1,409.67	1,261.00	1,125.58	135.42	9.312		
12,850.00	12,700.91	21,341.00	13,039.03	42.66	121.71	-113.430	-518.92	1,409.67	1,268.77	1,133.51	135.27	9.380		
12,900.00	12,720.86	21,341.00	13,039.03	42.81	121.71	-112.354	-518.92	1,409.67	1,280.14	1,145.14	134.99	9.483		
12,950.00	12,736.74	21,341.00	13,039.03	42.94	121.71	-110.915	-518.92	1,409.67	1,294.92	1,160.30	134.62	9.619		
13,000.00	12,748.43	21,341.00	13,039.03	43.04	121.71	-109.104	-518.92	1,409.67	1,312.89	1,178.75	134.15	9.787		
13,050.00	12,755.84	21,341.00	13,039.03	43.11	121.71	-106.915	-518.92	1,409.67	1,333.79	1,200.21	133.59	9.985		
13,100.00	12,758.91	21,341.00	13,039.03	43.15	121.71	-104.345	-518.92	1,409.67	1,357.33	1,224.38	132.95	10.210		
13,110.24	12,759.00	21,341.00	13,039.03	43.16	121.71	-103.772	-518.92	1,409.67	1,362.45	1,229.64	132.81	10.259		
13,200.00	12,759.00	21,341.00	13,039.03	43.21	121.71	-103.772	-518.92	1,409.67	1,409.87	1,278.33	131.53	10.719		
13,300.00	12,759.00	21,341.00	13,039.03	43.28	121.71	-103.772	-518.92	1,409.67	1,467.36	1,337.29	130.07	11.281		
13,400.00	12,759.00	21,341.00	13,039.03	43.36	121.71	-103.772	-518.92	1,409.67	1,529.24	1,400.67	128.57	11.894		
13,500.00	12,759.00	21,341.00	13,039.03	43.45	121.71	-103.772	-518.92	1,409.67	1,594.99	1,467.92	127.07	12.552		
13,600.00	12,759.00	21,341.00	13,039.03	43.56	121.71	-103.772	-518.92	1,409.67	1,664.16	1,538.57	125.59	13.251		
13,700.00	12,759.00	21,341.00	13,039.03	43.70	121.71	-103.772	-518.92	1,409.67	1,736.33	1,612.20	124.13	13.988		
13,800.00	12,759.00	21,341.00	13,039.03	43.86	121.71	-103.772	-518.92	1,409.67	1,811.16	1,688.43	122.73	14.757		
13,900.00	12,759.00	21,341.00	13,039.03	44.05	121.71	-103.772	-518.92	1,409.67	1,888.31	1,766.93	121.38	15.557		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: Cattlemen Fed Com - Deep - Cattleman Fed Com 514H - OH / 67734 - Surveys (H&P 474)													Offset Site Error:	0.00 usft
Survey Program:		174-MWD+HDGM+MS					Rule Assigned:				Offset Well Error:		1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
14,000.00	12,759.00	21,341.00	13,039.03	44.28	121.71	-103.772	-518.92	1,409.67	1,967.52	1,847.42	120.10	16.383		
14,100.00	12,759.00	21,341.00	13,039.03	44.57	121.71	-103.772	-518.92	1,409.67	2,048.55	1,929.67	118.88	17.232		
14,200.00	12,759.00	21,341.00	13,039.03	44.91	121.71	-103.772	-518.92	1,409.67	2,131.20	2,013.46	117.74	18.101		
14,300.00	12,759.00	21,341.00	13,039.03	45.32	121.71	-103.772	-518.92	1,409.67	2,215.27	2,098.61	116.66	18.989		
14,400.00	12,759.00	21,341.00	13,039.03	45.81	121.71	-103.772	-518.92	1,409.67	2,300.62	2,184.97	115.65	19.893		
14,500.00	12,759.00	21,341.00	13,039.03	46.40	121.71	-103.772	-518.92	1,409.67	2,387.11	2,272.40	114.71	20.811		
14,600.00	12,759.00	21,341.00	13,039.03	47.09	121.71	-103.772	-518.92	1,409.67	2,474.61	2,360.79	113.83	21.740		
14,700.00	12,759.00	21,341.00	13,039.03	47.88	121.71	-103.772	-518.92	1,409.67	2,563.03	2,450.03	113.00	22.681		
14,800.00	12,759.00	21,341.00	13,039.03	48.76	121.71	-103.772	-518.92	1,409.67	2,652.27	2,540.04	112.24	23.631		
14,900.00	12,759.00	21,341.00	13,039.03	49.72	121.71	-103.772	-518.92	1,409.67	2,742.26	2,630.73	111.52	24.589		
15,000.00	12,759.00	21,341.00	13,039.03	50.75	121.71	-103.772	-518.92	1,409.67	2,832.92	2,722.06	110.86	25.554		
15,100.00	12,759.00	21,341.00	13,039.03	51.84	121.71	-103.772	-518.92	1,409.67	2,924.18	2,813.94	110.24	26.525		
15,200.00	12,759.00	21,341.00	13,039.03	52.98	121.71	-103.772	-518.92	1,409.67	3,016.00	2,906.33	109.67	27.501		
15,300.00	12,759.00	21,341.00	13,039.03	54.15	121.71	-103.772	-518.92	1,409.67	3,108.33	2,999.20	109.13	28.482		
15,400.00	12,759.00	21,341.00	13,039.03	55.36	121.71	-103.772	-518.92	1,409.67	3,201.11	3,092.48	108.63	29.467		
15,500.00	12,759.00	21,341.00	13,039.03	56.60	121.71	-103.772	-518.92	1,409.67	3,294.32	3,186.15	108.17	30.455		
15,600.00	12,759.00	21,341.00	13,039.03	57.85	121.71	-103.772	-518.92	1,409.67	3,387.92	3,280.18	107.74	31.446		
15,700.00	12,759.00	21,341.00	13,039.03	59.13	121.71	-103.772	-518.92	1,409.67	3,481.87	3,374.53	107.34	32.438		
15,800.00	12,759.00	21,341.00	13,039.03	60.42	121.71	-103.772	-518.92	1,409.67	3,576.15	3,469.18	106.96	33.433		
15,900.00	12,759.00	21,341.00	13,039.03	61.72	121.71	-103.772	-518.92	1,409.67	3,670.73	3,564.11	106.62	34.429		
16,000.00	12,759.00	21,341.00	13,039.03	63.04	121.71	-103.772	-518.92	1,409.67	3,765.59	3,659.30	106.29	35.426		
16,100.00	12,759.00	21,341.00	13,039.03	64.36	121.71	-103.772	-518.92	1,409.67	3,860.71	3,754.72	105.99	36.425		
16,200.00	12,759.00	21,341.00	13,039.03	65.69	121.71	-103.772	-518.92	1,409.67	3,956.08	3,850.36	105.71	37.423		
16,300.00	12,759.00	21,341.00	13,039.03	67.03	121.71	-103.772	-518.92	1,409.67	4,051.66	3,946.21	105.45	38.422		
16,400.00	12,759.00	21,341.00	13,039.03	68.37	121.71	-103.772	-518.92	1,409.67	4,147.46	4,042.25	105.21	39.421		
16,500.00	12,759.00	21,341.00	13,039.03	69.73	121.71	-103.772	-518.92	1,409.67	4,243.44	4,138.46	104.98	40.420		
16,600.00	12,759.00	21,341.00	13,039.03	71.08	121.71	-103.772	-518.92	1,409.67	4,339.61	4,234.84	104.78	41.418		
16,700.00	12,759.00	21,341.00	13,039.03	72.44	121.71	-103.772	-518.92	1,409.67	4,435.95	4,331.37	104.58	42.416		
16,800.00	12,759.00	21,341.00	13,039.03	73.81	121.71	-103.772	-518.92	1,409.67	4,532.45	4,428.05	104.40	43.414		
16,900.00	12,759.00	21,341.00	13,039.03	75.18	121.71	-103.772	-518.92	1,409.67	4,629.10	4,524.86	104.23	44.410		
17,000.00	12,759.00	21,341.00	13,039.03	76.55	121.71	-103.772	-518.92	1,409.67	4,725.88	4,621.80	104.08	45.406		
17,100.00	12,759.00	21,341.00	13,039.03	77.92	121.71	-103.772	-518.92	1,409.67	4,822.80	4,718.86	103.94	46.401		
17,200.00	12,759.00	21,341.00	13,039.03	79.30	121.71	-103.772	-518.92	1,409.67	4,919.84	4,816.03	103.81	47.395		
17,300.00	12,759.00	21,341.00	13,039.03	80.68	121.71	-103.772	-518.92	1,409.67	5,017.00	4,913.31	103.68	48.388		
17,400.00	12,759.00	21,341.00	13,039.03	82.07	121.71	-103.772	-518.92	1,409.67	5,114.26	5,010.69	103.57	49.379		
17,500.00	12,759.00	21,341.00	13,039.03	83.45	121.71	-103.772	-518.92	1,409.67	5,211.63	5,108.16	103.47	50.369		
17,600.00	12,759.00	21,341.00	13,039.03	84.84	121.71	-103.772	-518.92	1,409.67	5,309.10	5,205.72	103.37	51.358		
17,700.00	12,759.00	21,341.00	13,039.03	86.23	121.71	-103.772	-518.92	1,409.67	5,406.66	5,303.37	103.29	52.345		
17,800.00	12,759.00	21,341.00	13,039.03	87.62	121.71	-103.772	-518.92	1,409.67	5,504.31	5,401.09	103.21	53.331		
17,900.00	12,759.00	21,341.00	13,039.03	89.01	121.71	-103.772	-518.92	1,409.67	5,602.04	5,498.90	103.14	54.315		
18,000.00	12,759.00	21,341.00	13,039.03	90.41	121.71	-103.772	-518.92	1,409.67	5,699.84	5,596.77	103.08	55.297		
18,100.00	12,759.00	21,341.00	13,039.03	91.80	121.71	-103.772	-518.92	1,409.67	5,797.73	5,694.71	103.02	56.278		
18,200.00	12,759.00	21,341.00	13,039.03	93.20	121.71	-103.772	-518.92	1,409.67	5,895.68	5,792.72	102.97	57.257		
18,300.00	12,759.00	21,341.00	13,039.03	94.60	121.71	-103.772	-518.92	1,409.67	5,993.71	5,890.78	102.92	58.235		
18,400.00	12,759.00	21,341.00	13,039.03	96.00	121.71	-103.772	-518.92	1,409.67	6,091.79	5,988.91	102.88	59.210		
18,500.00	12,759.00	21,341.00	13,039.03	97.40	121.71	-103.772	-518.92	1,409.67	6,189.94	6,087.09	102.85	60.184		
18,600.00	12,759.00	21,341.00	13,039.03	98.81	121.71	-103.772	-518.92	1,409.67	6,288.15	6,185.32	102.82	61.155		
18,700.00	12,759.00	21,341.00	13,039.03	100.21	121.71	-103.772	-518.92	1,409.67	6,386.41	6,283.61	102.80	62.125		
18,800.00	12,759.00	21,341.00	13,039.03	101.62	121.71	-103.772	-518.92	1,409.67	6,484.72	6,381.94	102.78	63.093		
18,900.00	12,759.00	21,341.00	13,039.03	103.02	121.71	-103.772	-518.92	1,409.67	6,583.09	6,480.32	102.77	64.059		
19,000.00	12,759.00	21,341.00	13,039.03	104.43	121.71	-103.772	-518.92	1,409.67	6,681.50	6,578.75	102.76	65.023		
19,100.00	12,759.00	21,341.00	13,039.03	105.84	121.71	-103.772	-518.92	1,409.67	6,779.97	6,677.21	102.75	65.984		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> Cattlemen Fed Com - Deep - Cattleman Fed Com 514H - OH / 67734 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 174-MWD+HDGM+MS												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Semi Major Axis Reference (usft)</b>	<b>Offset (usft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
19,200.00	12,759.00	21,341.00	13,039.03	107.24	121.71	-103.772	-518.92	1,409.67	6,878.47	6,775.72	102.75	66.944	
19,300.00	12,759.00	21,341.00	13,039.03	108.65	121.71	-103.772	-518.92	1,409.67	6,977.02	6,874.27	102.75	67.902	
19,400.00	12,759.00	21,341.00	13,039.03	110.06	121.71	-103.772	-518.92	1,409.67	7,075.61	6,972.85	102.76	68.857	
19,500.00	12,759.00	21,341.00	13,039.03	111.47	121.71	-103.772	-518.92	1,409.67	7,174.23	7,071.47	102.77	69.811	
19,600.00	12,759.00	21,341.00	13,039.03	112.89	121.71	-103.772	-518.92	1,409.67	7,272.90	7,170.12	102.78	70.762	
19,700.00	12,759.00	21,341.00	13,039.03	114.30	121.71	-103.772	-518.92	1,409.67	7,371.60	7,268.80	102.80	71.711	
19,800.00	12,759.00	21,341.00	13,039.03	115.71	121.71	-103.772	-518.92	1,409.67	7,470.34	7,367.52	102.82	72.657	
19,900.00	12,759.00	21,341.00	13,039.03	117.12	121.71	-103.772	-518.92	1,409.67	7,569.11	7,466.27	102.84	73.602	
20,000.00	12,759.00	21,341.00	13,039.03	118.54	121.71	-103.772	-518.92	1,409.67	7,667.91	7,565.04	102.86	74.544	
20,100.00	12,759.00	21,341.00	13,039.03	119.95	121.71	-103.772	-518.92	1,409.67	7,766.74	7,663.85	102.89	75.484	
20,200.00	12,759.00	21,341.00	13,039.03	121.37	121.71	-103.772	-518.92	1,409.67	7,865.60	7,762.68	102.92	76.422	
20,300.00	12,759.00	21,341.00	13,039.03	122.78	121.71	-103.772	-518.92	1,409.67	7,964.49	7,861.53	102.96	77.358	
20,400.00	12,759.00	21,341.00	13,039.03	124.20	121.71	-103.772	-518.92	1,409.67	8,063.40	7,960.41	102.99	78.291	
20,500.00	12,759.00	21,341.00	13,039.03	125.61	121.71	-103.772	-518.92	1,409.67	8,162.35	8,059.32	103.03	79.221	
20,600.00	12,759.00	21,341.00	13,039.03	127.03	121.71	-103.772	-518.92	1,409.67	8,261.32	8,158.24	103.07	80.150	
20,700.00	12,759.00	21,341.00	13,039.03	128.45	121.71	-103.772	-518.92	1,409.67	8,360.31	8,257.19	103.12	81.076	
20,800.00	12,759.00	21,341.00	13,039.03	129.87	121.71	-103.772	-518.92	1,409.67	8,459.33	8,356.16	103.16	82.000	
20,900.00	12,759.00	21,341.00	13,039.03	131.29	121.71	-103.772	-518.92	1,409.67	8,558.37	8,455.15	103.21	82.921	
21,000.00	12,759.00	21,341.00	13,039.03	132.70	121.71	-103.772	-518.92	1,409.67	8,657.43	8,554.17	103.26	83.840	
21,100.00	12,759.00	21,341.00	13,039.03	134.12	121.71	-103.772	-518.92	1,409.67	8,756.51	8,653.20	103.31	84.757	
21,200.00	12,759.00	21,341.00	13,039.03	135.54	121.71	-103.772	-518.92	1,409.67	8,855.61	8,752.25	103.37	85.671	
21,300.00	12,759.00	21,341.00	13,039.03	136.96	121.71	-103.772	-518.92	1,409.67	8,954.74	8,851.31	103.42	86.582	
21,400.00	12,759.00	21,341.00	13,039.03	138.38	121.71	-103.772	-518.92	1,409.67	9,053.88	8,950.40	103.48	87.492	
21,500.00	12,759.00	21,341.00	13,039.03	139.80	121.71	-103.772	-518.92	1,409.67	9,153.04	9,049.50	103.54	88.398	
21,600.00	12,759.00	21,341.00	13,039.03	141.22	121.71	-103.772	-518.92	1,409.67	9,252.22	9,148.62	103.61	89.303	
21,700.00	12,759.00	21,341.00	13,039.03	142.65	121.71	-103.772	-518.92	1,409.67	9,351.42	9,247.75	103.67	90.204	
21,800.00	12,759.00	21,341.00	13,039.03	144.07	121.71	-103.772	-518.92	1,409.67	9,450.63	9,346.90	103.73	91.104	
21,900.00	12,759.00	21,341.00	13,039.03	145.49	121.71	-103.772	-518.92	1,409.67	9,549.86	9,446.06	103.80	92.001	
22,000.00	12,759.00	21,341.00	13,039.03	146.91	121.71	-103.772	-518.92	1,409.67	9,649.11	9,545.24	103.87	92.895	
22,100.00	12,759.00	21,341.00	13,039.03	148.33	121.71	-103.772	-518.92	1,409.67	9,748.37	9,644.43	103.94	93.787	
22,125.24	12,759.00	21,341.00	13,039.03	148.69	121.71	-103.772	-518.92	1,409.67	9,773.43	9,669.47	103.96	94.012	





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 214H - OH / 68221 - Surveys (H&P 474)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 179-MWD+HDGM													<b>Offset Well Error:</b> 1.00 usft
<b>Rule Assigned:</b>													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	1.00	1.00	90.725	-15.58	1,232.16	1,232.27				
100.00	100.00	102.15	105.15	1.08	1.01	90.725	-15.58	1,231.95	1,232.06	1,229.96	2.10	587.737	
200.00	200.00	206.19	209.18	1.60	1.07	90.725	-15.58	1,231.31	1,231.44	1,228.77	2.67	462.046	
300.00	300.00	307.10	310.10	2.01	1.24	90.730	-15.67	1,230.53	1,230.67	1,227.42	3.25	378.763	
400.00	400.00	410.50	413.49	2.35	1.49	90.740	-15.87	1,229.50	1,229.67	1,225.83	3.84	320.101	
500.00	500.00	508.30	511.29	2.65	1.77	90.753	-16.14	1,228.47	1,228.62	1,224.21	4.42	278.069	
600.00	600.00	605.76	608.74	2.93	2.06	90.771	-16.51	1,227.74	1,227.88	1,222.89	4.99	246.165	
700.00	700.00	705.93	708.90	3.18	2.38	90.782	-16.75	1,226.97	1,227.12	1,221.56	5.56	220.730	
800.00	800.00	802.43	805.40	3.41	2.70	90.803	-17.19	1,226.38	1,226.51	1,220.40	6.11	200.697	
900.00	900.00	900.38	903.36	3.64	3.03	90.817	-17.49	1,226.07	1,226.20	1,219.54	6.66	184.117	
1,000.00	1,000.00	999.16	1,002.13	3.85	3.36	90.837	-17.92	1,225.83	1,225.96	1,218.76	7.20	170.195	
1,100.00	1,100.00	1,103.18	1,106.15	4.05	3.71	90.858	-18.36	1,225.55	1,225.70	1,217.94	7.76	157.971	
1,200.00	1,200.00	1,197.41	1,200.38	4.24	4.03	90.895	-19.15	1,225.17	1,225.32	1,217.05	8.27	148.099	
1,203.99	1,203.99	1,201.02	1,203.99	4.25	4.05	90.897	-19.19	1,225.17	1,225.32	1,217.03	8.29	147.747	
1,300.00	1,300.00	1,290.19	1,293.14	4.43	4.35	90.955	-20.43	1,225.45	1,225.64	1,216.86	8.78	139.671	
1,400.00	1,400.00	1,389.73	1,392.67	4.61	4.69	91.040	-22.27	1,226.07	1,226.30	1,217.00	9.29	131.952	
1,500.00	1,500.00	1,497.82	1,500.74	4.78	5.06	91.119	-23.95	1,226.41	1,226.64	1,216.80	9.84	124.646	
1,600.00	1,599.98	1,612.78	1,615.70	4.98	5.46	-66.349	-24.71	1,225.67	1,225.31	1,214.94	10.38	118.074	
1,699.91	1,699.74	1,726.23	1,729.12	5.60	5.86	-66.689	-24.40	1,223.56	1,221.37	1,210.39	10.98	111.238	
1,800.00	1,799.59	1,839.21	1,842.05	5.91	6.25	-67.056	-23.82	1,220.27	1,215.70	1,204.17	11.53	105.470	
1,900.00	1,899.35	1,949.41	1,952.16	6.08	6.64	-67.415	-23.30	1,215.75	1,208.87	1,196.83	12.04	100.399	
2,000.00	1,999.11	2,048.69	2,051.34	6.27	6.98	-67.751	-22.66	1,211.47	1,201.89	1,189.36	12.52	95.973	
2,100.00	2,098.86	2,149.48	2,152.04	6.47	7.34	-68.098	-21.96	1,207.01	1,194.84	1,181.82	13.01	91.817	
2,200.00	2,198.62	2,256.49	2,258.93	6.68	7.72	-68.465	-21.34	1,202.05	1,187.63	1,174.10	13.53	87.805	
2,300.00	2,298.38	2,372.76	2,375.00	6.91	8.13	-68.826	-21.58	1,195.36	1,179.32	1,165.25	14.07	83.820	
2,400.00	2,398.13	2,469.44	2,471.48	7.15	8.48	-69.102	-22.40	1,189.11	1,170.33	1,155.77	14.56	80.397	
2,500.00	2,497.89	2,567.73	2,569.58	7.41	8.83	-69.391	-23.13	1,183.03	1,161.65	1,146.60	15.05	77.185	
2,600.00	2,597.65	2,665.87	2,667.53	7.67	9.19	-69.682	-23.89	1,177.05	1,153.08	1,137.54	15.54	74.181	
2,700.00	2,697.40	2,760.37	2,761.87	7.94	9.53	-69.963	-24.67	1,171.55	1,144.81	1,128.78	16.03	71.425	
2,800.00	2,797.16	2,855.19	2,856.55	8.21	9.87	-70.251	-25.42	1,166.43	1,137.00	1,120.49	16.51	68.852	
2,900.00	2,896.92	2,954.12	2,955.34	8.50	10.23	-70.557	-26.13	1,161.33	1,129.46	1,112.45	17.01	66.393	
3,000.00	2,996.67	3,059.25	3,060.31	8.79	10.61	-70.867	-27.30	1,155.64	1,121.69	1,104.16	17.53	63.989	
3,100.00	3,096.43	3,157.12	3,158.02	9.08	10.97	-71.136	-28.84	1,150.23	1,113.79	1,095.77	18.03	61.787	
3,200.00	3,196.19	3,252.74	3,253.49	9.38	11.31	-71.398	-30.44	1,145.18	1,106.17	1,087.65	18.52	59.740	
3,300.00	3,295.94	3,346.25	3,346.88	9.69	11.65	-71.649	-32.11	1,140.69	1,099.03	1,080.03	19.00	57.844	
3,400.00	3,395.70	3,437.88	3,438.42	10.00	11.98	-71.896	-33.76	1,136.85	1,092.53	1,073.06	19.48	56.094	
3,500.00	3,495.46	3,526.04	3,526.51	10.31	12.30	-72.138	-35.25	1,134.01	1,087.02	1,067.08	19.94	54.512	
3,600.00	3,595.21	3,624.21	3,624.65	10.63	12.65	-72.439	-36.30	1,131.35	1,082.10	1,061.66	20.44	52.953	
3,700.00	3,694.97	3,722.18	3,722.58	10.95	13.01	-72.734	-37.50	1,128.86	1,077.37	1,056.44	20.93	51.479	
3,800.00	3,794.73	3,821.57	3,821.92	11.27	13.36	-73.002	-39.33	1,126.53	1,072.80	1,051.37	21.43	50.068	
3,900.00	3,894.48	3,926.74	3,927.04	11.60	13.74	-73.295	-41.16	1,123.80	1,068.01	1,046.07	21.94	48.671	
4,000.00	3,994.24	4,030.27	4,030.51	11.93	14.11	-73.600	-42.78	1,120.48	1,062.66	1,040.21	22.45	47.327	
4,100.00	4,094.00	4,127.00	4,127.18	12.26	14.46	-73.884	-44.34	1,117.45	1,057.41	1,034.47	22.94	46.093	
4,200.00	4,193.75	4,221.96	4,222.09	12.59	14.81	-74.162	-45.90	1,114.81	1,052.54	1,029.12	23.42	44.939	
4,300.00	4,293.51	4,321.77	4,321.85	12.93	15.16	-74.450	-47.63	1,112.47	1,048.11	1,024.19	23.92	43.822	
4,400.00	4,393.27	4,428.57	4,428.60	13.26	15.55	-74.777	-49.25	1,109.38	1,043.19	1,018.75	24.43	42.694	
4,500.00	4,493.02	4,522.65	4,522.61	13.60	15.89	-75.071	-50.64	1,106.41	1,038.05	1,013.15	24.91	41.675	
4,600.00	4,592.78	4,614.16	4,614.09	13.94	16.22	-75.335	-52.33	1,104.43	1,033.87	1,008.50	25.37	40.746	
4,700.00	4,692.54	4,721.64	4,721.52	14.28	16.60	-75.613	-54.89	1,102.42	1,029.95	1,004.06	25.89	39.780	
4,800.00	4,792.29	4,814.10	4,813.93	14.62	16.93	-75.847	-57.29	1,100.20	1,025.49	999.13	26.36	38.905	
4,900.00	4,892.05	4,899.92	4,899.70	14.97	17.24	-76.058	-59.48	1,099.29	1,022.37	995.57	26.80	38.150	
5,000.00	4,991.81	5,003.03	5,002.78	15.31	17.60	-76.293	-62.33	1,099.14	1,020.15	992.85	27.30	37.373	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com - 214H - OH / 68221 - Surveys (H&P 474)												Offset Site Error:	0.00 usft
Survey Program: 179-MWD+HDGM				Rule Assigned:								Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor
5,100.00	5,091.56	5,109.72	5,109.43	15.66	17.97	-76.557	-65.10	1,097.93	1,016.98	989.17	27.81	36.571	
5,200.00	5,191.32	5,218.87	5,218.53	16.00	18.37	-76.874	-67.26	1,095.87	1,013.19	984.86	28.33	35.768	
5,300.00	5,291.08	5,314.59	5,314.22	16.35	18.71	-77.166	-69.00	1,093.73	1,009.11	980.31	28.80	35.040	
5,400.00	5,390.83	5,417.06	5,416.64	16.70	19.08	-77.461	-71.13	1,091.85	1,005.41	976.12	29.29	34.322	
5,500.00	5,490.59	5,587.09	5,586.38	17.05	19.69	-78.063	-73.85	1,082.99	998.97	969.02	29.95	33.353	
5,600.00	5,590.35	5,713.87	5,712.36	17.40	20.17	-78.571	-76.39	1,069.08	986.34	955.87	30.47	32.372	
5,700.00	5,690.10	5,813.74	5,811.44	17.75	20.54	-78.982	-78.70	1,056.65	972.31	941.36	30.94	31.421	
5,800.00	5,789.86	5,907.82	5,904.81	18.10	20.89	-79.375	-80.87	1,045.43	958.82	927.41	31.41	30.523	
5,900.00	5,889.62	6,006.12	6,002.41	18.46	21.26	-79.786	-83.27	1,033.95	945.60	913.72	31.89	29.656	
6,000.00	5,989.37	6,105.06	6,100.64	18.81	21.63	-80.210	-85.70	1,022.39	932.43	900.08	32.36	28.816	
6,100.00	6,089.13	6,201.06	6,195.97	19.16	21.99	-80.615	-88.32	1,011.33	919.41	886.59	32.83	28.007	
6,200.00	6,188.89	6,310.19	6,304.32	19.52	22.40	-81.055	-91.82	998.84	906.44	873.13	33.31	27.209	
6,300.00	6,288.64	6,413.29	6,406.51	19.87	22.80	-81.400	-96.70	986.06	892.20	858.40	33.80	26.398	
6,400.00	6,388.40	6,509.96	6,502.33	20.22	23.17	-81.715	-101.53	974.19	878.04	843.76	34.28	25.617	
6,500.00	6,488.16	6,605.77	6,597.33	20.58	23.53	-82.038	-106.25	962.72	864.22	829.47	34.75	24.869	
6,600.00	6,587.91	6,704.30	6,695.06	20.94	23.91	-82.375	-111.12	951.16	850.65	815.42	35.23	24.146	
6,700.00	6,687.67	6,803.74	6,793.69	21.29	24.29	-82.727	-116.04	939.47	837.10	801.39	35.71	23.443	
6,800.00	6,787.43	6,902.00	6,891.15	21.65	24.67	-83.092	-120.81	927.88	823.56	787.38	36.18	22.761	
6,900.00	6,887.18	6,999.15	6,987.52	22.01	25.04	-83.457	-125.59	916.60	810.22	773.56	36.66	22.102	
7,000.00	6,986.94	7,093.89	7,081.55	22.36	25.40	-83.821	-130.21	905.97	797.29	760.16	37.13	21.473	
7,100.00	7,086.70	7,189.96	7,176.95	22.72	25.77	-84.201	-134.76	895.63	784.89	747.29	37.60	20.874	
7,200.00	7,186.45	7,296.76	7,282.97	23.08	26.18	-84.744	-138.59	883.34	772.13	734.05	38.08	20.276	
7,300.00	7,286.21	7,396.57	7,381.97	23.44	26.56	-85.366	-141.09	870.92	758.88	720.33	38.55	19.687	
7,400.00	7,385.97	7,491.61	7,476.27	23.80	26.93	-85.979	-143.43	859.33	745.95	706.94	39.01	19.122	
7,500.00	7,485.72	7,585.78	7,569.77	24.16	27.29	-86.603	-145.60	848.34	733.67	694.20	39.47	18.587	
7,600.00	7,585.48	7,683.14	7,666.52	24.52	27.66	-87.277	-147.54	837.58	722.17	682.23	39.94	18.081	
7,700.00	7,685.24	7,794.80	7,777.33	24.88	28.09	-88.036	-150.66	824.22	709.64	669.21	40.43	17.550	
7,800.00	7,784.99	7,892.07	7,873.74	25.24	28.47	-88.657	-154.48	811.93	696.20	655.29	40.92	17.016	
7,900.00	7,884.75	7,980.49	7,961.53	25.60	28.81	-89.203	-157.97	801.96	684.10	642.72	41.39	16.530	
8,000.00	7,984.51	8,078.22	8,058.69	25.96	29.18	-89.803	-161.66	792.11	673.25	631.37	41.87	16.078	
8,100.00	8,084.26	8,182.22	8,161.99	26.32	29.58	-90.437	-166.21	780.89	661.58	619.20	42.38	15.612	
8,200.00	8,184.02	8,273.65	8,252.82	26.68	29.93	-90.996	-170.30	771.33	650.28	607.42	42.86	15.172	
8,300.00	8,283.78	8,375.87	8,354.51	27.04	30.32	-91.668	-174.12	761.67	640.28	596.91	43.37	14.763	
8,400.00	8,383.53	8,482.91	8,460.76	27.40	30.74	-92.513	-177.77	749.19	628.44	584.54	43.90	14.315	
8,500.00	8,483.29	8,573.73	8,550.92	27.76	31.09	-93.279	-180.59	738.64	616.94	572.53	44.41	13.892	
8,600.00	8,583.05	8,663.90	8,640.60	28.12	31.43	-94.030	-183.06	729.68	607.21	562.29	44.92	13.518	
8,700.00	8,682.80	8,756.72	8,733.04	28.48	31.78	-94.821	-185.15	721.49	598.82	553.38	45.44	13.178	
8,800.00	8,782.56	8,851.02	8,827.02	28.85	32.14	-95.639	-186.90	713.97	591.51	545.53	45.98	12.865	
8,900.00	8,882.32	8,947.89	8,923.62	29.21	32.50	-96.487	-188.50	706.89	585.01	538.48	46.53	12.572	
9,000.00	8,982.07	9,044.50	9,019.98	29.57	32.86	-97.344	-190.01	700.14	578.97	531.87	47.10	12.292	
9,100.00	9,081.83	9,138.16	9,113.45	29.93	33.20	-98.176	-191.24	694.25	573.81	526.14	47.66	12.039	
9,200.00	9,181.59	9,231.63	9,206.79	30.30	33.54	-98.983	-192.25	689.48	569.90	521.67	48.23	11.815	
9,300.00	9,281.34	9,325.49	9,300.57	30.66	33.88	-99.790	-192.87	685.54	567.12	518.31	48.81	11.618	
9,400.00	9,381.10	9,414.07	9,389.11	31.02	34.19	-100.517	-193.19	683.00	565.76	516.40	49.35	11.463	
9,405.41	9,386.50	9,418.69	9,393.72	31.04	34.21	-100.551	-193.21	682.94	565.76	516.37	49.38	11.457	
9,500.00	9,480.86	9,503.31	9,478.34	31.39	34.49	-101.110	-193.53	682.92	566.77	516.90	49.87	11.365	
9,600.00	9,580.61	9,598.70	9,573.73	31.75	34.79	-101.655	-193.98	684.28	569.06	518.66	50.41	11.289	
9,700.00	9,680.37	9,697.63	9,672.62	32.11	35.10	-102.165	-194.60	686.33	571.85	520.89	50.96	11.222	
9,800.00	9,780.13	9,801.21	9,776.17	32.48	35.43	-102.651	-195.72	688.56	574.50	522.96	51.54	11.146	
9,900.00	9,879.88	9,904.18	9,879.11	32.84	35.77	-103.087	-197.66	690.35	576.38	524.25	52.13	11.058	
10,000.00	9,979.64	10,004.78	9,979.69	33.20	36.10	-103.573	-199.20	691.52	578.03	525.32	52.71	10.966	
10,100.00	10,079.39	10,100.96	10,075.87	33.57	36.42	-104.271	-198.64	691.37	579.94	526.62	53.33	10.875	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 214H - OH / 68221 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 179-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</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>+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>	
10,200.00	10,179.15	10,199.40	10,174.30	33.93	36.74	-105.028	-197.35	691.35	582.49	528.51	53.97	10.792	
10,300.00	10,278.91	10,298.01	10,272.90	34.29	37.06	-105.756	-196.16	691.58	585.27	530.65	54.62	10.715	
10,400.00	10,378.66	10,400.20	10,375.09	34.66	37.39	-106.437	-195.51	692.18	588.07	532.78	55.28	10.637	
10,500.00	10,478.42	10,508.86	10,483.74	35.02	37.74	-107.059	-196.14	692.79	590.16	534.18	55.98	10.543	
10,600.00	10,578.18	10,925.76	10,831.46	35.39	39.08	-91.118	-395.10	704.29	559.03	505.12	53.91	10.369	
10,700.00	10,677.93	11,049.04	10,887.58	35.75	39.47	-79.133	-504.62	706.00	513.87	458.11	55.76	9.216	
10,800.00	10,777.69	11,108.01	10,908.84	36.12	39.68	-72.588	-559.60	704.98	477.90	419.60	58.30	8.197	
10,900.00	10,877.45	11,154.48	10,923.11	36.48	39.85	-67.160	-603.80	703.36	456.41	395.66	60.75	7.513	
10,966.69	10,943.98	11,179.45	10,930.26	36.72	39.95	-64.194	-627.69	702.29	452.12	390.24	61.89	7.306 CC, ES	
11,000.00	10,977.20	11,189.66	10,933.00	36.85	39.99	-62.973	-637.52	701.84	453.22	391.03	62.20	7.287 SF	
11,100.00	11,076.96	11,215.51	10,939.25	37.21	40.10	-59.858	-662.58	700.71	469.65	407.48	62.17	7.554	
11,200.00	11,176.72	11,234.80	10,943.24	37.57	40.17	-57.528	-681.43	699.91	504.42	443.49	60.93	8.278	
11,300.00	11,276.47	11,249.89	10,945.94	37.94	40.23	-55.707	-696.27	699.33	554.48	495.37	59.11	9.380	
11,400.00	11,376.23	11,269.00	10,948.80	38.30	40.31	-53.417	-715.15	698.67	616.38	558.87	57.50	10.719	
11,500.00	11,475.99	11,269.00	10,948.80	38.67	40.31	-53.417	-715.15	698.67	686.86	631.38	55.48	12.380	
11,510.34	11,486.30	11,269.00	10,948.80	38.71	40.31	-53.417	-715.15	698.67	694.56	639.26	55.30	12.560	
11,600.00	11,575.83	11,269.00	10,948.80	39.02	40.31	-55.235	-715.15	698.67	764.45	710.49	53.96	14.168	
11,700.00	11,675.80	11,285.66	10,950.78	39.33	40.38	-55.627	-731.68	698.19	847.41	794.10	53.31	15.896	
11,710.24	11,686.04	11,286.10	10,950.83	39.34	40.38	101.541	-732.12	698.18	856.18	802.95	53.23	16.085	
11,800.00	11,775.80	11,289.66	10,951.19	39.34	40.40	101.996	-735.66	698.10	934.37	881.78	52.60	17.765	
11,900.00	11,875.80	11,293.16	10,951.52	39.35	40.41	102.442	-739.15	698.02	1,023.69	971.59	52.10	19.648	
12,000.00	11,975.80	11,296.26	10,951.79	39.35	40.42	102.835	-742.23	697.95	1,114.80	1,063.01	51.78	21.528	
12,100.00	12,075.80	11,299.01	10,952.03	39.36	40.44	103.184	-744.97	697.89	1,207.29	1,155.69	51.60	23.398	
12,200.00	12,175.80	11,316.00	10,953.16	39.36	40.50	105.317	-761.92	697.62	1,301.15	1,249.44	51.71	25.163	
12,210.24	12,186.04	11,316.00	10,953.16	39.36	40.50	105.317	-761.92	697.62	1,310.77	1,259.07	51.70	25.353	
12,250.00	12,225.77	11,316.00	10,953.16	39.43	40.50	-64.060	-761.92	697.62	1,348.08	1,296.42	51.67	26.092	
12,300.00	12,275.43	11,316.00	10,953.16	39.69	40.50	-53.262	-761.92	697.62	1,394.59	1,342.97	51.62	27.016	
12,350.00	12,324.42	11,316.00	10,953.16	39.98	40.50	-44.690	-761.92	697.62	1,440.36	1,388.79	51.57	27.931	
12,400.00	12,372.35	11,316.00	10,953.16	40.29	40.50	-38.046	-761.92	697.62	1,485.13	1,433.61	51.52	28.827	
12,450.00	12,418.86	11,316.00	10,953.16	40.60	40.50	-32.909	-761.92	697.62	1,528.67	1,477.19	51.48	29.697	
12,500.00	12,463.61	11,338.79	10,954.23	40.91	40.60	-28.281	-784.68	697.31	1,570.47	1,518.83	51.65	30.409	
12,550.00	12,506.24	11,355.04	10,954.84	41.22	40.67	-24.930	-800.92	697.06	1,610.38	1,558.63	51.75	31.119	
12,600.00	12,546.43	11,372.95	10,955.35	41.50	40.74	-22.301	-818.82	696.74	1,648.10	1,596.24	51.86	31.778	
12,650.00	12,583.88	11,395.00	10,955.78	41.78	40.84	-20.181	-840.86	696.31	1,683.41	1,631.40	52.01	32.367	
12,700.00	12,618.30	11,422.75	10,956.12	42.03	40.96	-18.449	-868.60	695.72	1,716.00	1,663.80	52.20	32.872	
12,750.00	12,649.43	11,456.70	10,956.42	42.27	41.12	-17.030	-902.55	694.94	1,745.53	1,693.08	52.44	33.285	
12,800.00	12,677.04	11,490.00	10,956.61	42.47	41.27	-15.914	-935.83	694.13	1,771.76	1,719.09	52.67	33.638	
12,850.00	12,700.91	11,533.97	10,956.72	42.66	41.48	-14.978	-979.79	692.98	1,794.47	1,741.48	52.99	33.865	
12,900.00	12,720.86	11,576.73	10,956.72	42.81	41.69	-14.257	-1,022.53	691.75	1,813.45	1,760.16	53.29	34.028	
12,950.00	12,736.74	11,621.91	10,956.69	42.94	41.93	-13.708	-1,067.69	690.57	1,828.55	1,774.93	53.62	34.100	
13,000.00	12,748.43	11,668.55	10,956.73	43.04	42.18	-13.327	-1,114.32	689.91	1,839.63	1,785.66	53.97	34.087	
13,050.00	12,755.84	11,709.61	10,956.77	43.11	42.41	-13.104	-1,155.39	689.77	1,846.65	1,792.38	54.27	34.025	
13,100.00	12,758.91	11,749.20	10,956.66	43.15	42.63	-13.009	-1,194.98	689.91	1,849.72	1,795.15	54.57	33.897	
13,110.24	12,759.00	11,757.33	10,956.61	43.16	42.68	-13.005	-1,203.11	689.97	1,849.86	1,795.26	54.60	33.878	
13,200.00	12,759.00	11,934.19	10,959.84	43.21	43.77	-13.041	-1,379.90	692.13	1,848.39	1,792.39	56.00	33.010	
13,300.00	12,759.00	12,032.85	10,964.56	43.28	44.43	-13.100	-1,478.43	693.94	1,843.94	1,787.30	56.63	32.559	
13,400.00	12,759.00	12,121.09	10,968.24	43.36	45.05	-13.165	-1,566.57	696.07	1,840.19	1,783.00	57.19	32.176	
13,500.00	12,759.00	12,207.94	10,971.39	43.45	45.68	-13.233	-1,653.33	698.42	1,837.07	1,779.30	57.77	31.802	
13,600.00	12,759.00	12,293.80	10,973.86	43.56	46.33	-13.303	-1,739.11	700.94	1,834.72	1,776.36	58.36	31.439	
13,700.00	12,759.00	12,378.50	10,975.62	43.70	46.99	-13.364	-1,823.76	703.36	1,833.14	1,774.18	58.96	31.090	
13,795.98	12,759.00	12,453.65	10,976.45	43.85	47.60	-13.411	-1,898.88	705.41	1,832.51	1,773.02	59.49	30.804	
13,800.00	12,759.00	12,456.34	10,976.46	43.86	47.62	-13.412	-1,901.57	705.48	1,832.51	1,773.01	59.51	30.796	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 214H - OH / 68221 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 179-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</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</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
13,900.00	12,759.00	12,531.00	10,975.86	44.05	48.24	-13.437	-1,976.21	707.16	1,833.52	1,773.49	60.03	30.546	
14,000.00	12,759.00	12,601.90	10,974.19	44.28	48.84	-13.451	-2,047.07	708.70	1,835.99	1,775.47	60.52	30.337	
14,100.00	12,759.00	12,750.57	10,971.99	44.57	50.15	-13.496	-2,195.67	712.16	1,837.77	1,775.72	62.06	29.614	
14,200.00	12,759.00	12,844.50	10,971.78	44.91	51.00	-13.534	-2,289.58	714.36	1,838.31	1,775.39	62.92	29.217	
14,300.00	12,759.00	12,935.98	10,971.32	45.32	51.85	-13.583	-2,381.02	716.97	1,839.25	1,775.48	63.78	28.839	
14,400.00	12,759.00	13,034.68	10,970.34	45.81	52.79	-13.633	-2,479.68	719.80	1,840.66	1,775.89	64.76	28.421	
14,500.00	12,759.00	13,137.96	10,969.46	46.40	53.79	-13.628	-2,582.94	720.83	1,841.49	1,775.66	65.83	27.975	
14,600.00	12,759.00	13,215.25	10,968.06	47.09	54.56	-13.609	-2,660.22	721.30	1,843.16	1,776.64	66.52	27.707	
14,700.00	12,759.00	13,329.13	10,964.72	47.88	55.71	-13.582	-2,774.05	722.32	1,846.12	1,778.34	67.78	27.235	
14,800.00	12,759.00	13,516.58	10,968.60	48.76	57.67	-13.677	-2,961.39	726.31	1,843.58	1,773.28	70.30	26.225	
14,900.00	12,759.00	13,608.92	10,971.79	49.72	58.65	-13.740	-3,053.65	728.49	1,840.56	1,769.22	71.34	25.799	
15,000.00	12,759.00	13,699.79	10,974.33	50.75	59.63	-13.788	-3,144.46	730.33	1,838.09	1,765.72	72.37	25.397	
15,100.00	12,759.00	13,791.06	10,976.53	51.84	60.63	-13.828	-3,235.68	732.01	1,835.97	1,762.54	73.43	25.004	
15,200.00	12,759.00	13,876.55	10,977.81	52.98	61.57	-13.852	-3,321.16	733.29	1,834.64	1,760.25	74.39	24.663	
15,300.00	12,759.00	13,967.47	10,978.73	54.15	62.58	-13.868	-3,412.07	734.48	1,833.74	1,758.29	75.45	24.303	
15,332.36	12,759.00	13,990.46	10,978.79	54.54	62.84	-13.869	-3,435.05	734.71	1,833.66	1,757.97	75.69	24.226	
15,400.00	12,759.00	14,045.00	10,978.40	55.36	63.46	-13.859	-3,489.59	735.00	1,834.04	1,757.75	76.29	24.041	
15,500.00	12,759.00	14,118.76	10,976.94	56.60	64.29	-13.825	-3,563.34	734.96	1,835.65	1,758.60	77.05	23.824	
15,600.00	12,759.00	14,202.23	10,974.41	57.85	65.25	-13.771	-3,646.77	734.61	1,838.26	1,760.28	77.98	23.574	
15,700.00	12,759.00	14,373.86	10,972.21	59.13	67.24	-13.690	-3,818.35	734.11	1,839.10	1,758.65	80.45	22.861	
15,800.00	12,759.00	14,463.85	10,972.45	60.42	68.29	-13.659	-3,908.35	733.91	1,838.55	1,757.02	81.54	22.548	
15,871.25	12,759.00	14,529.49	10,972.35	61.35	69.06	-13.632	-3,973.98	733.66	1,838.44	1,756.09	82.34	22.326	
15,900.00	12,759.00	14,554.88	10,972.23	61.72	69.36	-13.619	-3,999.37	733.50	1,838.46	1,755.81	82.65	22.244	
16,000.00	12,759.00	14,641.14	10,971.36	63.04	70.38	-13.561	-4,085.62	732.62	1,838.98	1,755.31	83.67	21.978	
16,100.00	12,759.00	14,722.85	10,969.73	64.36	71.36	-13.493	-4,167.31	731.56	1,840.40	1,755.79	84.61	21.751	
16,200.00	12,759.00	14,802.00	10,967.26	65.69	72.31	-13.418	-4,246.41	730.45	1,842.89	1,757.38	85.50	21.553	
16,300.00	12,759.00	14,882.34	10,963.86	67.03	73.29	-13.337	-4,326.68	729.35	1,846.47	1,760.05	86.42	21.367	
16,400.00	12,759.00	15,004.20	10,958.53	68.37	74.77	-13.194	-4,448.39	727.05	1,850.09	1,762.03	88.07	21.008	
16,500.00	12,759.00	15,122.45	10,954.14	69.73	76.22	-13.046	-4,566.52	724.28	1,853.03	1,763.37	89.66	20.668	
16,600.00	12,759.00	15,246.46	10,952.40	71.08	77.75	-12.929	-4,690.50	722.00	1,853.63	1,762.25	91.39	20.284	
16,700.00	12,759.00	15,330.82	10,950.95	72.44	78.79	-12.848	-4,774.83	720.44	1,854.69	1,762.28	92.41	20.071	
16,800.00	12,759.00	15,412.47	10,948.75	73.81	79.81	-12.761	-4,856.44	718.85	1,856.68	1,763.31	93.37	19.885	
16,900.00	12,759.00	15,526.05	10,944.99	75.18	81.23	-12.641	-4,969.94	716.80	1,859.37	1,764.44	94.93	19.587	
17,000.00	12,759.00	15,632.51	10,942.95	76.55	82.57	-12.544	-5,076.36	715.06	1,860.66	1,764.29	96.37	19.307	
17,100.00	12,759.00	15,718.75	10,940.96	77.92	83.66	-12.472	-5,162.57	713.94	1,862.42	1,764.97	97.45	19.111	
17,200.00	12,759.00	15,812.34	10,938.34	79.30	84.85	-12.415	-5,256.12	713.52	1,864.85	1,766.16	98.69	18.896	
17,300.00	12,759.00	15,901.47	10,935.95	80.68	85.98	-12.413	-5,345.21	714.82	1,867.58	1,767.69	99.88	18.698	
17,400.00	12,759.00	15,991.26	10,933.00	82.07	87.13	-12.419	-5,434.94	716.52	1,870.99	1,769.89	101.10	18.506	
17,500.00	12,759.00	16,079.36	10,929.72	83.45	88.27	-12.428	-5,522.96	718.42	1,874.89	1,772.59	102.29	18.329	
17,600.00	12,759.00	16,169.21	10,925.67	84.84	89.42	-12.429	-5,612.69	720.20	1,879.50	1,775.98	103.52	18.157	
17,700.00	12,759.00	16,261.19	10,921.13	86.23	90.61	-12.416	-5,704.56	721.65	1,884.45	1,779.67	104.78	17.986	
17,800.00	12,759.00	16,385.05	10,914.78	87.62	92.22	-12.385	-5,828.24	723.17	1,889.63	1,782.96	106.67	17.715	
17,900.00	12,759.00	16,532.50	10,910.77	89.01	94.14	-12.345	-5,975.62	724.12	1,892.17	1,783.14	109.03	17.355	
18,000.00	12,759.00	16,646.40	10,909.91	90.41	95.63	-12.354	-6,089.51	725.72	1,892.97	1,782.20	110.77	17.090	
18,100.00	12,759.00	16,736.83	10,909.19	91.80	96.81	-12.367	-6,179.92	727.20	1,893.89	1,781.84	112.05	16.902	
18,200.00	12,759.00	16,818.76	10,908.05	93.20	97.89	-12.385	-6,261.84	728.84	1,895.49	1,782.32	113.18	16.748	
18,300.00	12,759.00	16,910.84	10,905.63	94.60	99.10	-12.398	-6,353.86	730.71	1,898.26	1,783.76	114.50	16.578	
18,400.00	12,759.00	17,036.01	10,903.73	96.00	100.75	-12.386	-6,479.01	731.93	1,899.64	1,783.16	116.47	16.310	
18,500.00	12,759.00	17,209.47	10,904.93	97.40	103.05	-12.407	-6,652.42	734.04	1,899.05	1,779.67	119.39	15.907	
18,600.00	12,759.00	17,313.93	10,908.24	98.81	104.44	-12.465	-6,756.81	736.26	1,896.20	1,775.19	121.02	15.669	
18,700.00	12,759.00	17,407.11	10,911.02	100.21	105.69	-12.510	-6,849.92	738.07	1,893.50	1,771.07	122.43	15.466	
18,800.00	12,759.00	17,504.40	10,913.52	101.62	106.99	-12.549	-6,947.17	739.76	1,891.16	1,767.24	123.92	15.261	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 214H - OH / 68221 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 179-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Semi Major Axis 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>
18,900.00	12,759.00	17,600.82	10,915.92	103.02	108.28	-12.579	-7,043.55	741.18	1,888.85	1,763.46	125.39	15.064	
19,000.00	12,759.00	17,691.37	10,917.84	104.43	109.49	-12.608	-7,134.07	742.61	1,886.92	1,760.17	126.75	14.887	
19,100.00	12,759.00	17,774.05	10,918.98	105.84	110.60	-12.622	-7,216.73	743.61	1,885.64	1,757.70	127.94	14.738	
19,154.45	12,759.00	17,816.11	10,919.13	106.60	111.16	-12.619	-7,258.79	743.89	1,885.42	1,756.89	128.52	14.670	
19,200.00	12,759.00	17,853.78	10,919.02	107.24	111.67	-12.611	-7,296.46	744.02	1,885.48	1,756.44	129.05	14.611	
19,300.00	12,759.00	17,940.90	10,918.22	108.65	112.84	-12.586	-7,383.58	744.17	1,886.20	1,755.92	130.28	14.478	
19,400.00	12,759.00	18,037.94	10,916.86	110.06	114.14	-12.549	-7,480.61	744.15	1,887.35	1,755.65	131.70	14.331	
19,500.00	12,759.00	18,140.86	10,915.65	111.47	115.53	-12.525	-7,583.52	744.62	1,888.38	1,755.13	133.25	14.171	
19,600.00	12,759.00	18,229.96	10,914.52	112.89	116.73	-12.510	-7,672.62	745.22	1,889.58	1,755.04	134.54	14.045	
19,700.00	12,759.00	18,313.26	10,912.53	114.30	117.86	-12.486	-7,755.89	745.66	1,891.79	1,756.09	135.69	13.942	
19,800.00	12,759.00	18,437.15	10,910.62	115.71	119.54	-12.481	-7,879.75	747.10	1,893.26	1,755.55	137.71	13.748	
19,900.00	12,759.00	18,552.98	10,909.56	117.12	121.11	-12.503	-7,995.56	749.20	1,894.38	1,754.79	139.59	13.571	
20,000.00	12,759.00	18,702.94	10,911.50	118.54	123.15	-12.554	-8,145.47	751.94	1,893.24	1,751.07	142.16	13.317	
20,100.00	12,759.00	18,804.12	10,914.00	119.95	124.53	-12.585	-8,246.61	753.40	1,890.93	1,747.16	143.77	13.153	
20,147.75	12,759.00	18,808.00	10,914.10	120.63	124.58	-12.586	-8,250.49	753.45	1,890.33	1,746.68	143.65	13.159	
20,200.00	12,759.00	18,808.00	10,914.10	121.37	124.58	-12.586	-8,250.49	753.45	1,891.05	1,747.68	143.38	13.190	
20,300.00	12,759.00	18,808.00	10,914.10	122.78	124.58	-12.586	-8,250.49	753.45	1,896.45	1,753.81	142.64	13.295	
20,400.00	12,759.00	18,808.00	10,914.10	124.20	124.58	-12.586	-8,250.49	753.45	1,907.09	1,765.43	141.66	13.463	
20,500.00	12,759.00	18,808.00	10,914.10	125.61	124.58	-12.586	-8,250.49	753.45	1,922.87	1,782.43	140.44	13.692	
20,600.00	12,759.00	18,808.00	10,914.10	127.03	124.58	-12.586	-8,250.49	753.45	1,943.67	1,804.66	139.01	13.982	
20,700.00	12,759.00	18,808.00	10,914.10	128.45	124.58	-12.586	-8,250.49	753.45	1,969.35	1,831.94	137.41	14.332	
20,800.00	12,759.00	18,808.00	10,914.10	129.87	124.58	-12.586	-8,250.49	753.45	1,999.69	1,864.04	135.65	14.741	
20,900.00	12,759.00	18,808.00	10,914.10	131.29	124.58	-12.586	-8,250.49	753.45	2,034.51	1,900.72	133.78	15.207	
21,000.00	12,759.00	18,808.00	10,914.10	132.70	124.58	-12.586	-8,250.49	753.45	2,073.56	1,941.73	131.83	15.729	
21,100.00	12,759.00	18,808.00	10,914.10	134.12	124.58	-12.586	-8,250.49	753.45	2,116.63	1,986.80	129.83	16.303	
21,200.00	12,759.00	18,808.00	10,914.10	135.54	124.58	-12.586	-8,250.49	753.45	2,163.46	2,035.66	127.80	16.928	
21,300.00	12,759.00	18,808.00	10,914.10	136.96	124.58	-12.586	-8,250.49	753.45	2,213.82	2,088.05	125.77	17.602	
21,400.00	12,759.00	18,808.00	10,914.10	138.38	124.58	-12.586	-8,250.49	753.45	2,267.48	2,143.71	123.77	18.321	
21,500.00	12,759.00	18,808.00	10,914.10	139.80	124.58	-12.586	-8,250.49	753.45	2,324.20	2,202.41	121.80	19.083	
21,600.00	12,759.00	18,808.00	10,914.10	141.22	124.58	-12.586	-8,250.49	753.45	2,383.77	2,263.89	119.88	19.885	
21,700.00	12,759.00	18,808.00	10,914.10	142.65	124.58	-12.586	-8,250.49	753.45	2,445.98	2,327.95	118.03	20.724	
21,800.00	12,759.00	18,808.00	10,914.10	144.07	124.58	-12.586	-8,250.49	753.45	2,510.63	2,394.39	116.24	21.598	
21,900.00	12,759.00	18,808.00	10,914.10	145.49	124.58	-12.586	-8,250.49	753.45	2,577.54	2,463.00	114.54	22.503	
22,000.00	12,759.00	18,808.00	10,914.10	146.91	124.58	-12.586	-8,250.49	753.45	2,646.54	2,533.62	112.92	23.438	
22,100.00	12,759.00	18,808.00	10,914.10	148.33	124.58	-12.586	-8,250.49	753.45	2,717.46	2,606.08	111.38	24.398	
22,125.24	12,759.00	18,808.00	10,914.10	148.69	124.58	-12.586	-8,250.49	753.45	2,735.65	2,624.65	111.01	24.644	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 404H - OH / 68222 - Surveys (H&P 474)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 176-MWD+HDGM													<b>Offset Well Error:</b> 1.00 usft
<b>Rule Assigned:</b>													<b>Warning</b>
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	3.00	1.00	1.00	90.644	-14.85	1,322.17	1,322.26				
100.00	100.00	98.11	101.11	1.08	1.01	90.654	-15.10	1,322.13	1,322.22	1,320.12	2.10	631.047	
200.00	200.00	198.50	201.49	1.60	1.06	90.687	-15.84	1,322.00	1,322.10	1,319.44	2.66	497.442	
268.96	268.96	265.97	268.96	1.88	1.16	90.716	-16.51	1,321.95	1,322.06	1,319.02	3.04	434.981	
300.00	300.00	296.34	299.33	2.01	1.22	90.730	-16.83	1,321.96	1,322.07	1,318.84	3.23	409.262	
400.00	400.00	391.80	394.78	2.35	1.44	90.778	-17.94	1,322.13	1,322.26	1,318.46	3.80	348.227	
500.00	500.00	487.89	490.86	2.65	1.71	90.822	-18.97	1,322.65	1,322.82	1,318.46	4.36	303.241	
600.00	600.00	590.21	593.18	2.93	2.02	90.859	-19.84	1,323.31	1,323.47	1,318.53	4.94	267.788	
700.00	700.00	690.04	693.01	3.18	2.33	90.899	-20.77	1,323.80	1,323.98	1,318.47	5.51	240.262	
800.00	800.00	784.22	787.19	3.41	2.64	90.925	-21.39	1,324.49	1,324.72	1,318.67	6.05	218.863	
900.00	900.00	888.29	891.24	3.64	2.99	90.966	-22.34	1,325.33	1,325.55	1,318.93	6.62	200.165	
1,000.00	1,000.00	994.36	997.31	3.85	3.35	91.010	-23.37	1,325.73	1,325.94	1,318.74	7.19	184.315	
1,100.00	1,100.00	1,094.13	1,097.07	4.05	3.69	91.049	-24.29	1,325.89	1,326.12	1,318.38	7.74	171.373	
1,200.00	1,200.00	1,190.15	1,193.09	4.24	4.02	91.094	-25.33	1,326.22	1,326.48	1,318.21	8.26	160.504	
1,300.00	1,300.00	1,283.82	1,286.74	4.43	4.35	91.153	-26.70	1,326.87	1,327.20	1,318.43	8.78	151.205	
1,400.00	1,400.00	1,379.99	1,382.89	4.61	4.69	91.234	-28.61	1,328.02	1,328.44	1,319.14	9.29	142.921	
1,500.00	1,500.00	1,481.07	1,483.94	4.78	5.04	91.327	-30.80	1,329.23	1,329.68	1,319.85	9.83	135.324	
1,600.00	1,599.98	1,583.24	1,586.08	4.98	5.41	-66.033	-33.05	1,330.35	1,330.12	1,319.80	10.32	128.847	
1,699.91	1,699.74	1,687.21	1,690.02	5.60	5.77	-66.172	-35.32	1,331.23	1,328.90	1,317.99	10.90	121.865	
1,800.00	1,799.59	1,789.34	1,792.13	5.91	6.14	-66.363	-37.44	1,331.83	1,326.71	1,315.29	11.43	116.109	
1,900.00	1,899.35	1,886.85	1,889.61	6.08	6.48	-66.550	-39.35	1,332.40	1,324.55	1,312.64	11.91	111.242	
2,000.00	1,999.11	1,997.52	2,000.26	6.27	6.88	-66.759	-41.63	1,332.81	1,322.19	1,309.75	12.44	106.311	
2,100.00	2,098.86	2,098.84	2,101.56	6.47	7.24	-66.939	-43.98	1,332.63	1,319.28	1,306.34	12.94	101.983	
2,200.00	2,198.62	2,195.83	2,198.51	6.68	7.58	-67.108	-46.31	1,332.58	1,316.51	1,303.09	13.42	98.075	
2,300.00	2,298.38	2,307.90	2,310.55	6.91	7.98	-67.292	-49.29	1,332.05	1,313.35	1,299.38	13.96	94.050	
2,400.00	2,398.13	2,413.03	2,415.61	7.15	8.35	-67.450	-52.46	1,330.70	1,309.37	1,294.89	14.48	90.409	
2,500.00	2,497.89	2,508.33	2,510.86	7.41	8.69	-67.595	-55.29	1,329.59	1,305.53	1,290.56	14.97	87.212	
2,600.00	2,597.65	2,601.48	2,603.98	7.67	9.02	-67.740	-58.00	1,328.87	1,302.10	1,286.64	15.45	84.268	
2,700.00	2,697.40	2,691.95	2,694.41	7.94	9.34	-67.886	-60.54	1,328.76	1,299.32	1,283.39	15.93	81.580	
2,800.00	2,797.16	2,789.00	2,791.43	8.21	9.69	-68.052	-63.06	1,329.29	1,297.21	1,280.79	16.43	78.971	
2,900.00	2,896.92	2,893.45	2,895.83	8.50	10.07	-68.229	-65.81	1,329.48	1,294.76	1,277.80	16.95	76.373	
3,000.00	2,996.67	2,998.53	3,000.87	8.79	10.44	-68.399	-68.79	1,329.53	1,292.18	1,274.70	17.48	73.912	
3,100.00	3,096.43	3,106.47	3,108.75	9.08	10.83	-68.536	-72.71	1,328.86	1,288.93	1,270.91	18.02	71.513	
3,200.00	3,196.19	3,200.11	3,202.31	9.38	11.17	-68.643	-76.42	1,328.15	1,285.56	1,267.04	18.52	69.424	
3,300.00	3,295.94	3,290.19	3,292.32	9.69	11.49	-68.750	-79.86	1,328.14	1,282.92	1,263.92	19.00	67.526	
3,400.00	3,395.70	3,397.16	3,399.21	10.00	11.88	-68.879	-83.93	1,328.45	1,280.61	1,261.07	19.54	65.536	
3,500.00	3,495.46	3,526.46	3,528.39	10.31	12.34	-69.028	-89.08	1,326.73	1,276.66	1,256.51	20.15	63.349	
3,600.00	3,595.21	3,635.66	3,637.49	10.63	12.73	-69.188	-92.73	1,323.48	1,271.09	1,250.40	20.69	61.433	
3,700.00	3,694.97	3,733.79	3,735.50	10.95	13.08	-69.319	-96.33	1,320.34	1,265.30	1,244.11	21.20	59.696	
3,800.00	3,794.73	3,830.02	3,831.61	11.27	13.42	-69.433	-100.22	1,317.54	1,259.79	1,238.09	21.70	58.060	
3,900.00	3,894.48	3,921.39	3,922.86	11.60	13.75	-69.530	-104.15	1,315.16	1,254.60	1,232.42	22.19	56.546	
4,000.00	3,994.24	4,006.23	4,007.61	11.93	14.05	-69.618	-107.80	1,313.93	1,250.54	1,227.88	22.66	55.196	
4,100.00	4,094.00	4,096.95	4,098.25	12.26	14.38	-69.713	-111.70	1,313.50	1,247.48	1,224.33	23.14	53.899	
4,200.00	4,193.75	4,195.15	4,196.36	12.59	14.74	-69.822	-115.75	1,313.39	1,244.77	1,221.12	23.66	52.614	
4,300.00	4,293.51	4,292.57	4,293.72	12.93	15.09	-69.945	-119.47	1,313.44	1,242.26	1,218.09	24.17	51.400	
4,400.00	4,393.27	4,389.08	4,390.15	13.26	15.44	-70.068	-123.12	1,313.69	1,239.96	1,215.28	24.68	50.252	
4,500.00	4,493.02	4,482.46	4,483.46	13.60	15.78	-70.184	-126.73	1,314.32	1,238.08	1,212.91	25.17	49.189	
4,600.00	4,592.78	4,579.61	4,580.55	13.94	16.13	-70.317	-130.16	1,315.50	1,236.75	1,211.07	25.68	48.167	
4,700.00	4,692.54	4,690.58	4,691.43	14.28	16.53	-70.459	-134.37	1,316.31	1,234.95	1,208.71	26.23	47.076	
4,800.00	4,792.29	4,788.47	4,789.24	14.62	16.88	-70.569	-138.43	1,316.47	1,232.56	1,205.81	26.74	46.087	
4,900.00	4,892.05	4,875.69	4,876.39	14.97	17.20	-70.675	-141.85	1,317.31	1,230.98	1,203.77	27.22	45.230	
5,000.00	4,991.81	4,965.09	4,965.68	15.31	17.52	-70.759	-145.84	1,319.14	1,230.45	1,202.76	27.70	44.427	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com - 404H - OH / 68222 - Surveys (H&P 474)													Offset Site Error:	0.00 usft	
Survey Program:		176-MWD+HDCM		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,100.00	5,091.56	5,087.51	5,087.91	15.66	17.97	-70.837	-152.09	1,321.69	1,230.06	1,201.76	28.30	43.461			
5,200.00	5,191.32	5,220.91	5,221.17	16.00	18.45	-70.982	-157.86	1,320.38	1,226.48	1,197.55	28.93	42.395			
5,300.00	5,291.08	5,317.64	5,317.81	16.35	18.80	-71.111	-161.62	1,318.46	1,221.98	1,192.55	29.43	41.518			
5,400.00	5,390.83	5,414.91	5,414.99	16.70	19.15	-71.244	-165.33	1,316.67	1,217.64	1,187.71	29.94	40.674			
5,500.00	5,490.59	5,513.46	5,513.46	17.05	19.50	-71.379	-169.10	1,315.02	1,213.47	1,183.03	30.44	39.859			
5,600.00	5,590.35	5,612.47	5,612.38	17.40	19.86	-71.514	-172.91	1,313.45	1,209.40	1,178.44	30.95	39.072			
5,700.00	5,690.10	5,711.63	5,711.45	17.75	20.22	-71.652	-176.69	1,311.92	1,205.38	1,173.91	31.46	38.312			
5,800.00	5,789.86	5,809.97	5,809.72	18.10	20.57	-71.797	-180.29	1,310.50	1,201.48	1,169.51	31.97	37.585			
5,900.00	5,889.62	5,905.51	5,905.20	18.46	20.92	-71.952	-183.48	1,309.25	1,197.74	1,165.28	32.46	36.898			
6,000.00	5,989.37	5,995.64	5,995.28	18.81	21.24	-72.101	-186.40	1,308.67	1,194.68	1,161.75	32.94	36.273			
6,100.00	6,089.13	6,088.86	6,088.45	19.16	21.58	-72.246	-189.57	1,308.82	1,192.41	1,158.99	33.42	35.679			
6,200.00	6,188.89	6,188.22	6,187.75	19.52	21.94	-72.403	-192.91	1,309.14	1,190.33	1,156.40	33.93	35.086			
6,300.00	6,288.64	6,285.24	6,284.71	19.87	22.29	-72.559	-196.08	1,309.64	1,188.45	1,154.02	34.42	34.526			
6,400.00	6,388.40	6,382.94	6,382.36	20.22	22.64	-72.719	-199.23	1,310.34	1,186.79	1,151.87	34.92	33.987			
6,500.00	6,488.16	6,481.32	6,480.69	20.58	23.00	-72.879	-202.39	1,311.21	1,185.30	1,149.88	35.42	33.467			
6,600.00	6,587.91	6,580.29	6,579.61	20.94	23.36	-73.051	-205.37	1,312.17	1,183.92	1,148.01	35.91	32.965			
6,700.00	6,687.67	6,678.90	6,678.18	21.29	23.71	-73.233	-208.10	1,313.17	1,182.64	1,146.23	36.41	32.483			
6,800.00	6,787.43	6,778.91	6,778.16	21.65	24.07	-73.435	-210.53	1,314.26	1,181.46	1,144.56	36.90	32.015			
6,900.00	6,887.18	6,878.87	6,878.08	22.01	24.43	-73.646	-212.77	1,315.26	1,180.24	1,142.85	37.40	31.561			
7,000.00	6,986.94	6,984.93	6,984.12	22.36	24.81	-73.885	-214.87	1,316.12	1,178.89	1,140.98	37.91	31.101			
7,100.00	7,086.70	7,088.79	7,087.96	22.72	25.18	-74.154	-216.28	1,316.31	1,176.99	1,138.59	38.40	30.649			
7,200.00	7,186.45	7,187.48	7,186.65	23.08	25.53	-74.426	-217.34	1,316.36	1,175.01	1,136.14	38.88	30.223			
7,300.00	7,286.21	7,283.13	7,282.29	23.44	25.87	-74.690	-218.34	1,316.63	1,173.30	1,133.96	39.34	29.823			
7,400.00	7,385.97	7,380.77	7,379.93	23.80	26.22	-74.955	-219.42	1,317.20	1,171.91	1,132.09	39.81	29.436			
7,500.00	7,485.72	7,478.94	7,478.08	24.16	26.57	-75.219	-220.54	1,317.93	1,170.69	1,130.41	40.28	29.063			
7,600.00	7,585.48	7,577.03	7,576.17	24.52	26.92	-75.481	-221.72	1,318.80	1,169.65	1,128.90	40.75	28.703			
7,700.00	7,685.24	7,672.89	7,672.01	24.88	27.26	-75.727	-223.02	1,319.95	1,168.90	1,127.69	41.21	28.364			
7,800.00	7,784.99	7,778.47	7,777.58	25.24	27.63	-76.018	-224.08	1,321.02	1,168.05	1,126.36	41.70	28.013			
7,900.00	7,884.75	7,879.47	7,878.58	25.60	27.97	-76.370	-223.67	1,321.51	1,166.93	1,124.79	42.14	27.692			
8,000.00	7,984.51	7,976.57	7,975.67	25.96	28.29	-76.730	-222.82	1,322.01	1,165.95	1,123.39	42.56	27.397			
8,100.00	8,084.26	8,075.41	8,074.51	26.32	28.61	-77.091	-222.07	1,322.74	1,165.22	1,122.23	42.98	27.109			
8,200.00	8,184.02	8,178.62	8,177.71	26.68	28.95	-77.456	-221.54	1,323.37	1,164.37	1,120.94	43.43	26.813			
8,300.00	8,283.78	8,278.76	8,277.85	27.04	29.28	-77.801	-221.27	1,323.78	1,163.33	1,119.47	43.86	26.523			
8,400.00	8,383.53	8,376.85	8,375.94	27.40	29.61	-78.147	-220.85	1,324.32	1,162.49	1,118.20	44.29	26.248			
8,500.00	8,483.29	8,476.01	8,475.10	27.76	29.94	-78.507	-220.20	1,324.86	1,161.74	1,117.03	44.72	25.981			
8,600.00	8,583.05	8,575.10	8,574.19	28.12	30.26	-78.869	-219.50	1,325.48	1,161.12	1,115.98	45.14	25.722			
8,700.00	8,682.80	8,673.76	8,672.84	28.48	30.59	-79.218	-219.03	1,326.18	1,160.59	1,115.02	45.57	25.467			
8,800.00	8,782.56	8,771.31	8,770.38	28.85	30.92	-79.556	-218.68	1,327.05	1,160.25	1,114.25	46.00	25.222			
8,900.00	8,882.32	8,869.55	8,868.62	29.21	31.26	-79.891	-218.40	1,328.13	1,160.13	1,113.70	46.44	24.983			
8,937.97	8,920.19	8,907.11	8,906.17	29.35	31.39	-80.018	-218.30	1,328.56	1,160.13	1,113.52	46.60	24.894			
9,000.00	8,982.07	8,968.74	8,967.79	29.57	31.60	-80.228	-218.12	1,329.29	1,160.14	1,113.26	46.88	24.749			
9,100.00	9,081.83	9,067.74	9,066.79	29.93	31.93	-80.567	-217.78	1,330.50	1,160.24	1,112.92	47.31	24.522			
9,200.00	9,181.59	9,175.12	9,174.16	30.30	32.30	-80.938	-217.41	1,331.53	1,160.14	1,112.36	47.78	24.283			
9,300.00	9,281.34	9,298.46	9,297.50	30.66	32.71	-81.391	-216.97	1,330.56	1,158.31	1,110.03	48.28	23.992			
9,400.00	9,381.10	9,389.32	9,388.35	31.02	33.02	-81.720	-216.82	1,329.59	1,156.29	1,107.60	48.69	23.750			
9,500.00	9,480.86	9,483.03	9,482.06	31.39	33.33	-82.060	-216.52	1,329.20	1,154.97	1,105.87	49.10	23.523			
9,600.00	9,580.61	9,582.66	9,581.69	31.75	33.68	-82.385	-216.84	1,329.25	1,153.99	1,104.44	49.55	23.290			
9,700.00	9,680.37	9,684.90	9,683.92	32.11	34.05	-82.681	-218.00	1,329.26	1,152.80	1,102.78	50.02	23.047			
9,800.00	9,780.13	9,782.18	9,781.20	32.48	34.39	-82.989	-218.57	1,329.22	1,151.73	1,101.26	50.47	22.820			
9,900.00	9,879.88	9,879.37	9,878.39	32.84	34.74	-83.315	-218.74	1,329.28	1,150.91	1,099.99	50.92	22.602			
10,000.00	9,979.64	9,975.92	9,974.94	33.20	35.08	-83.626	-219.09	1,329.65	1,150.38	1,099.01	51.37	22.395			
10,100.00	10,079.39	10,080.05	10,079.07	33.57	35.45	-83.960	-219.46	1,330.17	1,150.01	1,098.18	51.84	22.184			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 404H - OH / 68222 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 176-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Semi Major Axis Reference (usft)</b>	<b>Semi Major Axis Offset (usft)</b>	<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
10,200.00	10,179.15	10,208.37	10,207.38	33.93	35.90	-84.353	-220.82	1,329.22	1,148.34	1,095.95	52.39	21.919	
10,300.00	10,278.91	10,340.87	10,339.74	34.29	36.37	-84.708	-224.39	1,324.76	1,143.62	1,090.67	52.94	21.600	
10,400.00	10,378.66	10,442.43	10,441.11	34.66	36.73	-84.951	-228.28	1,319.80	1,137.17	1,083.76	53.41	21.290	
10,500.00	10,478.42	10,528.92	10,527.49	35.02	37.03	-85.183	-230.87	1,316.31	1,131.79	1,077.95	53.84	21.021	
10,600.00	10,578.18	10,620.54	10,619.01	35.39	37.35	-85.428	-233.51	1,313.15	1,127.06	1,072.78	54.28	20.764	
10,700.00	10,677.93	10,706.08	10,704.52	35.75	37.65	-85.729	-234.27	1,310.93	1,123.74	1,069.05	54.69	20.548	
10,800.00	10,777.69	10,826.95	10,825.31	36.12	38.06	-86.238	-234.04	1,306.73	1,120.01	1,064.82	55.19	20.294	
10,900.00	10,877.45	10,928.13	10,926.36	36.48	38.41	-86.676	-234.20	1,301.70	1,114.81	1,059.17	55.64	20.037	
11,000.00	10,977.20	11,017.99	11,016.16	36.85	38.71	-87.026	-234.82	1,298.27	1,110.58	1,054.52	56.06	19.810	
11,100.00	11,076.96	11,113.95	11,112.07	37.21	39.05	-87.394	-235.48	1,295.13	1,106.92	1,050.41	56.51	19.589	
11,200.00	11,176.72	11,196.78	11,194.87	37.57	39.33	-87.722	-235.76	1,292.78	1,103.90	1,046.99	56.91	19.398	
11,263.16	11,239.73	11,240.72	11,238.80	37.81	39.48	-87.891	-235.69	1,292.39	1,103.23	1,046.10	57.13	19.311	
11,300.00	11,276.47	11,271.18	11,269.26	37.94	39.58	-88.006	-235.56	1,292.51	1,103.32	1,046.05	57.28	19.263	
11,400.00	11,376.23	11,374.66	11,372.74	38.30	39.93	-88.386	-235.23	1,293.08	1,103.74	1,046.00	57.75	19.113	
11,500.00	11,475.99	11,489.32	11,487.39	38.67	40.34	-88.760	-236.16	1,292.85	1,103.06	1,044.79	58.27	18.929	
11,510.34	11,486.30	11,500.37	11,498.44	38.71	40.38	-88.794	-236.31	1,292.78	1,102.94	1,044.62	58.32	18.912	
11,600.00	11,575.83	11,594.33	11,592.38	39.02	40.71	-88.991	-237.52	1,291.91	1,101.64	1,042.90	58.74	18.753	
11,700.00	11,675.80	11,689.48	11,687.53	39.33	41.03	-89.102	-237.43	1,290.41	1,100.19	1,041.03	59.16	18.597	
11,710.24	11,686.04	11,698.75	11,696.80	39.34	41.06	-88.287	-237.37	1,290.28	1,100.08	1,040.89	59.19	18.586	
11,800.00	11,775.80	11,790.80	11,788.83	39.34	41.38	-88.239	-236.83	1,289.16	1,099.26	1,039.77	59.50	18.475	
11,900.00	11,875.80	11,887.10	11,885.12	39.35	41.71	-88.216	-236.85	1,287.94	1,098.09	1,038.25	59.84	18.351	
12,000.00	11,975.80	11,978.67	11,976.69	39.35	42.02	-88.202	-236.75	1,287.45	1,097.62	1,037.47	60.16	18.246	
12,010.68	11,986.48	11,988.45	11,986.48	39.35	42.05	-88.199	-236.69	1,287.42	1,097.62	1,037.43	60.19	18.236	
12,100.00	12,075.80	12,076.00	12,074.02	39.36	42.34	-88.140	-235.61	1,287.08	1,097.71	1,037.22	60.49	18.147	
12,200.00	12,175.80	12,177.13	12,175.12	39.36	42.68	-88.022	-233.44	1,286.42	1,097.91	1,037.07	60.84	18.046	
12,210.24	12,186.04	12,189.18	12,187.17	39.36	42.72	-88.022	-233.44	1,286.42	1,097.91	1,037.03	60.88	18.035	
12,212.38	12,188.18	12,191.70	12,189.69	39.37	42.73	-111.426	-233.46	1,286.43	1,097.91	1,037.02	60.89	18.032	
12,250.00	12,225.77	12,239.72	12,237.68	39.43	42.90	-111.399	-235.10	1,286.84	1,098.24	1,037.17	61.07	17.983	
12,300.00	12,275.43	12,347.36	12,340.90	39.69	43.30	-110.501	-262.64	1,292.76	1,097.62	1,036.03	61.58	17.823	
12,306.75	12,282.09	12,353.31	12,346.30	39.73	43.32	-110.418	-265.08	1,293.34	1,097.60	1,035.97	61.62	17.811 CC, ES	
12,350.00	12,324.42	12,389.40	12,378.46	39.98	43.46	-109.839	-280.93	1,297.39	1,098.31	1,036.43	61.88	17.749	
12,400.00	12,372.35	12,424.00	12,408.05	40.29	43.59	-109.090	-298.15	1,302.35	1,101.03	1,038.87	62.17	17.711	
12,450.00	12,418.86	12,452.58	12,431.43	40.60	43.69	-108.225	-313.75	1,307.44	1,106.07	1,043.62	62.45	17.711	
12,500.00	12,463.61	12,472.00	12,446.75	40.91	43.76	-107.264	-324.98	1,311.52	1,113.59	1,050.87	62.72	17.756	
12,550.00	12,506.24	12,506.89	12,473.30	41.22	43.89	-105.968	-346.01	1,319.85	1,123.29	1,060.21	63.08	17.807	
12,600.00	12,546.43	12,540.88	12,498.16	41.50	44.02	-104.561	-367.33	1,328.96	1,135.06	1,071.59	63.47	17.883	
12,650.00	12,583.88	12,729.94	12,617.11	41.78	44.75	-101.751	-506.45	1,373.86	1,144.14	1,079.23	64.90	17.629	
12,700.00	12,618.30	12,755.00	12,630.35	42.03	44.85	-100.609	-527.07	1,379.10	1,152.61	1,087.35	65.25	17.663	
12,750.00	12,649.43	12,782.15	12,643.47	42.27	44.96	-99.303	-549.94	1,385.49	1,162.85	1,097.19	65.65	17.711	
12,800.00	12,677.04	12,803.00	12,652.33	42.47	45.04	-97.891	-567.95	1,391.15	1,175.04	1,109.00	66.04	17.793	
12,850.00	12,700.91	12,803.00	12,652.33	42.66	45.04	-96.409	-567.95	1,391.15	1,189.35	1,123.02	66.33	17.930	
12,900.00	12,720.86	12,828.31	12,661.59	42.81	45.14	-94.651	-590.09	1,399.15	1,205.04	1,138.20	66.84	18.029	
12,950.00	12,736.74	12,850.00	12,668.16	42.94	45.23	-92.778	-609.14	1,407.18	1,222.76	1,155.40	67.36	18.152	
13,000.00	12,748.43	12,850.00	12,668.16	43.04	45.23	-90.727	-609.14	1,407.18	1,241.74	1,173.90	67.84	18.305	
13,050.00	12,755.84	12,883.56	12,676.65	43.11	45.37	-88.733	-638.64	1,420.74	1,261.70	1,193.23	68.47	18.428	
13,100.00	12,758.91	13,445.14	12,694.90	43.15	47.98	-87.131	-1,176.29	1,543.75	1,272.02	1,197.27	74.75	17.018	
13,110.24	12,759.00	13,448.74	12,694.79	43.16	48.00	-87.106	-1,179.89	1,543.84	1,272.20	1,197.41	74.79	17.011	
13,200.00	12,759.00	13,492.00	12,692.95	43.21	48.22	-87.029	-1,223.03	1,546.38	1,276.18	1,200.77	75.40	16.925	
13,300.00	12,759.00	13,549.55	12,690.29	43.28	48.56	-86.921	-1,280.26	1,551.72	1,284.20	1,207.82	76.38	16.813	
13,400.00	12,759.00	13,656.83	12,687.32	43.36	49.22	-86.811	-1,386.99	1,562.19	1,293.16	1,214.96	78.21	16.535	
13,500.00	12,759.00	13,814.19	12,687.22	43.45	50.25	-86.828	-1,543.99	1,572.36	1,298.31	1,217.45	80.86	16.056	
13,600.00	12,759.00	13,925.65	12,686.81	43.56	51.01	-86.821	-1,655.32	1,577.88	1,302.37	1,219.52	82.85	15.720	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 404H - OH / 68222 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 176-MWD+HDCM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</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</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
13,700.00	12,759.00	14,017.31	12,687.00	43.70	51.67	-86.836	-1,746.92	1,581.28	1,305.16	1,220.57	84.58	15.430	
13,800.00	12,759.00	14,189.60	12,686.37	43.86	52.96	-86.813	-1,919.10	1,585.17	1,306.79	1,219.20	87.60	14.918	
13,900.00	12,759.00	14,281.19	12,684.75	44.05	53.67	-86.738	-2,010.67	1,584.24	1,304.94	1,215.53	89.42	14.594	
14,000.00	12,759.00	14,366.18	12,683.71	44.28	54.35	-86.691	-2,095.65	1,584.70	1,304.54	1,213.35	91.19	14.306	
14,100.00	12,759.00	14,467.64	12,682.10	44.57	55.19	-86.619	-2,197.09	1,585.15	1,304.12	1,210.87	93.25	13.985	
14,200.00	12,759.00	14,636.02	12,682.17	44.91	56.63	-86.614	-2,365.42	1,583.69	1,302.96	1,206.67	96.29	13.531	
14,300.00	12,759.00	14,717.00	12,682.23	45.32	57.34	-86.608	-2,446.36	1,580.99	1,298.59	1,200.47	98.12	13.234	
14,400.00	12,759.00	14,848.31	12,683.39	45.81	58.51	-86.636	-2,577.40	1,573.12	1,291.03	1,190.37	100.66	12.825	
14,500.00	12,759.00	14,905.00	12,684.85	46.40	59.02	-86.695	-2,634.05	1,571.57	1,286.80	1,184.56	102.24	12.586	
14,539.45	12,759.00	14,905.00	12,684.85	46.66	59.02	-86.695	-2,634.05	1,571.57	1,286.20	1,183.64	102.55	12.542	
14,600.00	12,759.00	14,937.29	12,685.90	47.09	59.34	-86.742	-2,666.32	1,572.09	1,286.65	1,183.17	103.49	12.433	
14,700.00	12,759.00	15,214.85	12,692.66	47.88	62.01	-87.028	-2,943.04	1,568.24	1,288.05	1,180.06	107.99	11.928	
14,800.00	12,759.00	15,282.00	12,694.91	48.76	62.65	-87.113	-3,009.87	1,562.13	1,277.82	1,167.97	109.85	11.633	
14,900.00	12,759.00	15,337.79	12,696.63	49.72	63.21	-87.182	-3,065.53	1,558.72	1,270.56	1,158.96	111.60	11.385	
15,000.00	12,759.00	15,376.00	12,697.63	50.75	63.59	-87.224	-3,103.70	1,557.44	1,266.92	1,153.83	113.10	11.202	
15,046.13	12,759.00	15,413.11	12,698.67	51.25	63.97	-87.269	-3,140.79	1,557.23	1,266.28	1,152.23	114.05	11.102	
15,100.00	12,759.00	15,438.43	12,699.55	51.84	64.24	-87.310	-3,166.09	1,557.81	1,266.89	1,151.99	114.91	11.025	
15,200.00	12,759.00	15,511.18	12,701.98	52.98	65.00	-87.426	-3,238.68	1,561.75	1,270.94	1,154.07	116.86	10.875	
15,300.00	12,759.00	15,604.80	12,700.42	54.15	66.01	-87.363	-3,332.17	1,566.33	1,274.98	1,155.82	119.17	10.699	
15,400.00	12,759.00	15,676.16	12,699.01	55.36	66.78	-87.309	-3,403.34	1,571.38	1,281.13	1,160.01	121.12	10.577	
15,500.00	12,759.00	15,766.83	12,697.17	56.60	67.77	-87.241	-3,493.66	1,579.03	1,288.68	1,165.28	123.41	10.443	
15,600.00	12,759.00	15,875.15	12,697.37	57.85	68.98	-87.268	-3,601.59	1,588.28	1,296.25	1,170.24	126.01	10.287	
15,700.00	12,759.00	15,985.81	12,698.12	59.13	70.22	-87.317	-3,711.92	1,596.73	1,302.88	1,174.21	128.67	10.126	
15,800.00	12,759.00	16,169.39	12,702.91	60.42	72.30	-87.540	-3,895.17	1,605.38	1,306.94	1,174.54	132.40	9.871	
15,900.00	12,759.00	16,284.03	12,702.34	61.72	73.60	-87.513	-4,009.81	1,605.25	1,305.82	1,170.75	135.07	9.668	
15,978.98	12,759.00	16,347.56	12,700.96	62.76	74.33	-87.451	-4,073.32	1,605.27	1,305.20	1,168.35	136.85	9.537	
16,000.00	12,759.00	16,361.92	12,700.81	63.04	74.49	-87.445	-4,087.68	1,605.44	1,305.25	1,167.96	137.29	9.507	
16,100.00	12,759.00	16,436.15	12,701.46	64.36	75.35	-87.476	-4,161.88	1,607.47	1,306.92	1,167.47	139.45	9.372	
16,200.00	12,759.00	16,573.24	12,703.54	65.69	76.96	-87.572	-4,298.88	1,611.65	1,309.29	1,166.81	142.49	9.189	
16,293.28	12,759.00	16,661.95	12,702.59	66.94	77.99	-87.529	-4,387.58	1,611.59	1,308.42	1,163.62	144.80	9.036	
16,300.00	12,759.00	16,666.72	12,702.57	67.03	78.05	-87.528	-4,392.34	1,611.64	1,308.42	1,163.48	144.94	9.027	
16,400.00	12,759.00	16,757.28	12,702.62	68.37	79.12	-87.532	-4,482.89	1,613.31	1,309.26	1,161.89	147.37	8.884	
16,500.00	12,759.00	16,868.93	12,702.13	69.73	80.45	-87.511	-4,594.53	1,614.91	1,309.76	1,159.67	150.09	8.727	
16,517.09	12,759.00	16,888.50	12,702.18	69.96	80.68	-87.514	-4,614.10	1,615.07	1,309.74	1,159.18	150.56	8.699	
16,600.00	12,759.00	16,941.47	12,702.57	71.08	81.32	-87.532	-4,667.05	1,616.12	1,310.53	1,158.24	152.29	8.605	
16,700.00	12,759.00	17,023.34	12,703.56	72.44	82.31	-87.580	-4,748.84	1,619.63	1,313.71	1,159.10	154.62	8.497	
16,800.00	12,759.00	17,157.50	12,703.35	73.81	83.95	-87.577	-4,882.92	1,624.23	1,316.30	1,158.60	157.70	8.347	
16,900.00	12,759.00	17,283.32	12,702.98	75.18	85.48	-87.561	-5,008.73	1,625.46	1,316.36	1,155.74	160.62	8.196	
17,000.00	12,759.00	17,463.68	12,700.30	76.55	87.66	-87.428	-5,188.92	1,618.90	1,311.53	1,147.63	163.90	8.002	
17,100.00	12,759.00	17,549.00	12,698.97	77.92	88.69	-87.358	-5,274.08	1,613.77	1,304.67	1,138.27	166.40	7.841	
17,200.00	12,759.00	17,599.27	12,698.07	79.30	89.31	-87.313	-5,324.30	1,611.91	1,300.28	1,131.69	168.59	7.713	
17,239.59	12,759.00	17,617.49	12,697.83	79.85	89.53	-87.302	-5,342.51	1,611.80	1,299.69	1,130.30	169.40	7.673	
17,300.00	12,759.00	17,643.00	12,697.56	80.68	89.85	-87.291	-5,368.02	1,612.16	1,300.05	1,129.53	170.53	7.624	
17,400.00	12,759.00	17,701.74	12,696.74	82.07	90.59	-87.259	-5,426.70	1,614.70	1,303.55	1,131.03	172.52	7.556	
17,500.00	12,759.00	17,829.94	12,694.41	83.45	92.21	-87.171	-5,554.61	1,622.83	1,309.40	1,133.76	175.65	7.455	
17,600.00	12,759.00	17,906.67	12,694.30	84.84	93.19	-87.173	-5,631.25	1,626.54	1,313.29	1,135.35	177.93	7.381	
17,700.00	12,759.00	18,102.61	12,693.01	86.23	95.67	-87.118	-5,827.08	1,629.11	1,312.93	1,131.06	181.87	7.219	
17,800.00	12,759.00	18,204.35	12,691.62	87.62	96.95	-87.051	-5,928.80	1,627.36	1,310.32	1,125.78	184.54	7.100	
17,900.00	12,759.00	18,332.35	12,692.23	89.01	98.56	-87.066	-6,056.71	1,623.16	1,305.91	1,118.49	187.42	6.968	
18,000.00	12,759.00	18,409.12	12,693.06	90.41	99.53	-87.096	-6,133.45	1,621.03	1,302.10	1,112.20	189.90	6.857	
18,100.00	12,759.00	18,505.32	12,692.09	91.80	100.76	-87.047	-6,229.62	1,619.13	1,299.21	1,106.67	192.54	6.748	
18,200.00	12,759.00	18,598.62	12,689.25	93.20	101.95	-86.916	-6,322.87	1,617.65	1,296.82	1,101.67	195.16	6.645	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 404H - OH / 68222 - Surveys (H&P 474)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 176-MWD+HDCM													<b>Offset Well Error:</b> 1.00 usft
<b>Rule Assigned:</b>													
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface (°)</b>	<b>+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>
18,300.00	12,759.00	18,703.16	12,688.66	94.60	103.30	-86.883	-6,427.38	1,615.87	1,294.18	1,096.30	197.88	6.540	
18,400.00	12,759.00	18,782.45	12,688.91	96.00	104.32	-86.891	-6,506.67	1,615.30	1,292.47	1,092.11	200.36	6.451	
18,500.00	12,759.00	18,871.00	12,688.61	97.40	105.46	-86.876	-6,595.22	1,615.31	1,291.59	1,088.66	202.93	6.365	
18,522.10	12,759.00	18,892.25	12,688.50	97.71	105.74	-86.871	-6,616.46	1,615.41	1,291.49	1,087.98	203.52	6.346	
18,600.00	12,759.00	18,942.28	12,688.20	98.81	106.39	-86.859	-6,666.49	1,616.41	1,292.33	1,087.08	205.25	6.296	
18,700.00	12,759.00	19,025.12	12,687.70	100.21	107.48	-86.843	-6,749.25	1,619.78	1,295.41	1,087.71	207.70	6.237	
18,800.00	12,759.00	19,107.52	12,687.38	101.62	108.57	-86.837	-6,831.55	1,623.83	1,299.41	1,089.30	210.11	6.184	
18,900.00	12,759.00	19,266.05	12,686.03	103.02	110.66	-86.790	-6,989.89	1,630.66	1,303.27	1,089.53	213.74	6.097	
19,000.00	12,759.00	19,344.00	12,684.49	104.43	111.69	-86.725	-7,067.81	1,632.13	1,304.34	1,088.18	216.16	6.034	
19,100.00	12,759.00	19,418.19	12,683.08	105.84	112.67	-86.668	-7,141.93	1,634.90	1,307.25	1,088.77	218.48	5.983	
19,200.00	12,759.00	19,495.83	12,682.40	107.24	113.71	-86.648	-7,219.43	1,639.44	1,312.16	1,091.36	220.80	5.943	
19,300.00	12,759.00	19,682.71	12,683.07	108.65	116.18	-86.680	-7,406.12	1,642.38	1,311.19	1,086.34	224.85	5.831	
19,323.47	12,759.00	19,694.20	12,683.22	108.98	116.34	-86.687	-7,417.61	1,642.45	1,311.08	1,085.72	225.36	5.818	
19,400.00	12,759.00	19,749.48	12,684.68	110.06	117.07	-86.752	-7,472.85	1,643.91	1,312.10	1,084.92	227.19	5.775	
19,500.00	12,759.00	19,903.04	12,687.25	111.47	119.11	-86.864	-7,626.37	1,644.95	1,311.75	1,081.23	230.52	5.690	
19,600.00	12,759.00	20,017.33	12,686.39	112.89	120.62	-86.817	-7,740.62	1,642.38	1,308.56	1,075.20	233.35	5.608	
19,700.00	12,759.00	20,107.22	12,683.83	114.30	121.81	-86.698	-7,830.45	1,640.28	1,305.43	1,069.42	236.01	5.531	
19,800.00	12,759.00	20,212.51	12,681.34	115.71	123.20	-86.580	-7,935.68	1,638.00	1,302.44	1,063.66	238.78	5.455	
19,900.00	12,759.00	20,314.88	12,681.46	117.12	124.56	-86.576	-8,038.02	1,635.59	1,299.12	1,057.59	241.53	5.379	
20,000.00	12,759.00	20,407.38	12,682.11	118.54	125.79	-86.597	-8,130.50	1,633.51	1,295.88	1,051.66	244.22	5.306	
20,100.00	12,759.00	20,491.11	12,685.23	119.95	126.91	-86.731	-8,214.16	1,632.83	1,293.86	1,047.02	246.85	5.242	
20,153.74	12,759.00	20,525.00	12,686.89	120.71	127.37	-86.803	-8,248.01	1,632.73	1,293.19	1,045.07	248.13	5.212	
20,200.00	12,759.00	20,525.00	12,686.89	121.37	127.37	-86.803	-8,248.01	1,632.73	1,294.02	1,045.30	248.72	5.203 SF	
20,300.00	12,759.00	20,525.00	12,686.89	122.78	127.37	-86.803	-8,248.01	1,632.73	1,301.44	1,052.35	249.09	5.225	
20,400.00	12,759.00	20,525.00	12,686.89	124.20	127.37	-86.803	-8,248.01	1,632.73	1,316.43	1,068.21	248.22	5.303	
20,500.00	12,759.00	20,525.00	12,686.89	125.61	127.37	-86.803	-8,248.01	1,632.73	1,338.75	1,092.52	246.23	5.437	
20,600.00	12,759.00	20,525.00	12,686.89	127.03	127.37	-86.803	-8,248.01	1,632.73	1,368.03	1,124.78	243.25	5.624	
20,700.00	12,759.00	20,525.00	12,686.89	128.45	127.37	-86.803	-8,248.01	1,632.73	1,403.83	1,164.38	239.46	5.863	
20,800.00	12,759.00	20,525.00	12,686.89	129.87	127.37	-86.803	-8,248.01	1,632.73	1,445.68	1,210.64	235.04	6.151	
20,900.00	12,759.00	20,525.00	12,686.89	131.29	127.37	-86.803	-8,248.01	1,632.73	1,493.07	1,262.88	230.19	6.486	
21,000.00	12,759.00	20,525.00	12,686.89	132.70	127.37	-86.803	-8,248.01	1,632.73	1,545.48	1,320.42	225.06	6.867	
21,100.00	12,759.00	20,525.00	12,686.89	134.12	127.37	-86.803	-8,248.01	1,632.73	1,602.42	1,382.64	219.78	7.291	
21,200.00	12,759.00	20,525.00	12,686.89	135.54	127.37	-86.803	-8,248.01	1,632.73	1,663.43	1,448.95	214.48	7.756	
21,300.00	12,759.00	20,525.00	12,686.89	136.96	127.37	-86.803	-8,248.01	1,632.73	1,728.08	1,518.84	209.24	8.259	
21,400.00	12,759.00	20,525.00	12,686.89	138.38	127.37	-86.803	-8,248.01	1,632.73	1,795.97	1,591.84	204.13	8.798	
21,500.00	12,759.00	20,525.00	12,686.89	139.80	127.37	-86.803	-8,248.01	1,632.73	1,866.75	1,667.56	199.19	9.371	
21,600.00	12,759.00	20,525.00	12,686.89	141.22	127.37	-86.803	-8,248.01	1,632.73	1,940.11	1,745.65	194.46	9.977	
21,700.00	12,759.00	20,525.00	12,686.89	142.65	127.37	-86.803	-8,248.01	1,632.73	2,015.76	1,825.80	189.96	10.612	
21,800.00	12,759.00	20,525.00	12,686.89	144.07	127.37	-86.803	-8,248.01	1,632.73	2,093.45	1,907.77	185.68	11.274	
21,900.00	12,759.00	20,525.00	12,686.89	145.49	127.37	-86.803	-8,248.01	1,632.73	2,172.97	1,991.32	181.65	11.963	
22,000.00	12,759.00	20,525.00	12,686.89	146.91	127.37	-86.803	-8,248.01	1,632.73	2,254.11	2,076.27	177.84	12.675	
22,100.00	12,759.00	20,525.00	12,686.89	148.33	127.37	-86.803	-8,248.01	1,632.73	2,336.73	2,162.46	174.27	13.409	
22,125.24	12,759.00	20,525.00	12,686.89	148.69	127.37	-86.803	-8,248.01	1,632.73	2,357.79	2,184.39	173.40	13.597	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 434H - OH / 68223 - Surveys (H&P 474)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 176-MWD+HDGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum</b>	<b>Separation</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Separation (usft)</b>	<b>Factor</b>	
0.00	0.00	0.00	3.00	1.00	1.00	90.695	-15.30	1,262.15	1,262.25				
100.00	100.00	97.79	100.78	1.08	1.01	90.700	-15.43	1,262.12	1,262.22	1,260.12	2.10	602.438	
200.00	200.00	197.44	200.44	1.60	1.06	90.717	-15.80	1,262.03	1,262.13	1,259.48	2.66	475.210	
210.18	210.18	207.18	210.18	1.64	1.07	90.719	-15.83	1,262.03	1,262.13	1,259.42	2.71	466.206	
300.00	300.00	293.11	296.11	2.01	1.21	90.727	-16.01	1,262.16	1,262.27	1,259.05	3.22	392.173	
400.00	400.00	402.30	405.30	2.35	1.46	90.734	-16.18	1,262.07	1,262.19	1,258.38	3.81	331.210	
500.00	500.00	500.21	503.21	2.65	1.73	90.755	-16.62	1,261.74	1,261.85	1,257.47	4.38	288.003	
600.00	600.00	597.06	600.06	2.93	2.02	90.788	-17.35	1,261.57	1,261.69	1,256.75	4.94	255.180	
601.00	601.00	598.00	601.00	2.93	2.02	90.788	-17.36	1,261.57	1,261.69	1,256.74	4.95	254.901	
700.00	700.00	693.51	696.50	3.18	2.32	90.812	-17.89	1,261.76	1,261.89	1,256.39	5.50	229.421	
800.00	800.00	797.49	800.48	3.41	2.66	90.848	-18.67	1,261.93	1,262.07	1,256.00	6.07	207.764	
900.00	900.00	900.78	903.76	3.64	3.01	90.871	-19.18	1,261.67	1,261.83	1,255.18	6.64	190.018	
1,000.00	1,000.00	999.16	1,002.14	3.85	3.34	90.893	-19.67	1,261.42	1,261.57	1,254.39	7.18	175.593	
1,080.72	1,080.72	1,077.74	1,080.72	4.01	3.61	90.908	-20.00	1,261.34	1,261.50	1,253.88	7.62	165.632	
1,100.00	1,100.00	1,096.35	1,099.33	4.05	3.67	90.913	-20.09	1,261.34	1,261.50	1,253.78	7.72	163.425	
1,200.00	1,200.00	1,191.44	1,194.43	4.24	4.00	90.945	-20.80	1,261.54	1,261.72	1,253.48	8.24	153.114	
1,300.00	1,300.00	1,282.75	1,285.72	4.43	4.31	90.986	-21.73	1,262.19	1,262.46	1,253.72	8.74	144.449	
1,400.00	1,400.00	1,378.62	1,381.58	4.61	4.64	90.994	-21.92	1,263.60	1,263.93	1,254.68	9.24	136.743	
1,500.00	1,500.00	1,483.72	1,486.68	4.78	4.99	90.955	-21.08	1,264.90	1,265.15	1,255.38	9.77	129.527	
1,600.00	1,599.98	1,582.62	1,585.57	4.98	5.32	-66.533	-20.42	1,265.92	1,265.47	1,255.24	10.23	123.660	
1,699.91	1,699.74	1,694.18	1,697.12	5.60	5.69	-66.843	-19.52	1,266.93	1,264.32	1,253.50	10.82	116.886	
1,800.00	1,799.59	1,805.20	1,808.11	5.91	6.06	-67.257	-17.51	1,266.61	1,261.29	1,249.94	11.34	111.197	
1,900.00	1,899.35	1,901.65	1,904.54	6.08	6.39	-67.650	-15.10	1,266.07	1,258.05	1,246.25	11.80	106.628	
2,000.00	1,999.11	1,998.84	2,001.70	6.27	6.71	-68.041	-12.78	1,265.76	1,255.10	1,242.84	12.26	102.361	
2,100.00	2,098.86	2,100.99	2,103.83	6.47	7.06	-68.435	-10.78	1,265.44	1,252.23	1,239.49	12.75	98.251	
2,200.00	2,198.62	2,219.38	2,222.19	6.68	7.47	-68.862	-9.18	1,264.34	1,248.83	1,235.54	13.29	93.999	
2,300.00	2,298.38	2,386.56	2,389.15	6.91	8.04	-69.524	-5.93	1,256.82	1,242.00	1,228.03	13.97	88.911	
2,400.00	2,398.13	2,499.94	2,502.13	7.15	8.44	-70.003	-3.40	1,247.58	1,231.47	1,216.98	14.49	84.988	
2,500.00	2,497.89	2,589.53	2,591.41	7.41	8.75	-70.372	-1.76	1,240.26	1,221.02	1,206.07	14.95	81.686	
2,600.00	2,597.65	2,690.61	2,692.20	7.67	9.10	-70.774	-0.29	1,232.81	1,211.40	1,195.96	15.44	78.463	
2,700.00	2,697.40	2,807.60	2,808.67	7.94	9.52	-71.291	2.19	1,222.05	1,199.97	1,184.00	15.97	75.129	
2,800.00	2,797.16	2,924.58	2,925.04	8.21	9.94	-71.836	4.94	1,210.60	1,188.20	1,171.69	16.50	72.001	
2,900.00	2,896.92	3,021.20	3,021.03	8.50	10.29	-72.314	7.51	1,199.86	1,175.15	1,158.17	16.98	69.194	
3,000.00	2,996.67	3,126.34	3,125.52	8.79	10.67	-72.823	9.84	1,188.37	1,162.34	1,144.86	17.49	66.476	
3,100.00	3,096.43	3,227.00	3,225.50	9.08	11.03	-73.253	10.63	1,176.75	1,148.86	1,130.89	17.98	63.906	
3,200.00	3,196.19	3,322.00	3,319.92	9.38	11.38	-73.638	10.85	1,166.32	1,135.95	1,117.49	18.46	61.545	
3,300.00	3,295.94	3,396.78	3,394.36	9.69	11.65	-73.944	11.08	1,159.23	1,124.48	1,105.59	18.89	59.535	
3,400.00	3,395.70	3,477.47	3,474.79	10.00	11.95	-74.275	11.37	1,152.74	1,114.61	1,095.28	19.33	57.668	
3,500.00	3,495.46	3,601.26	3,598.20	10.31	12.40	-74.809	12.21	1,143.22	1,105.33	1,085.45	19.88	55.601	
3,600.00	3,595.21	3,696.05	3,692.57	10.63	12.74	-75.267	13.41	1,134.31	1,094.35	1,074.00	20.36	53.761	
3,700.00	3,694.97	3,810.31	3,806.26	10.95	13.16	-75.781	13.85	1,122.94	1,082.75	1,061.87	20.88	51.858	
3,800.00	3,794.73	3,893.81	3,889.37	11.27	13.47	-76.132	13.61	1,114.98	1,071.55	1,050.22	21.33	50.239	
3,900.00	3,894.48	4,010.17	4,005.21	11.60	13.90	-76.637	13.37	1,103.88	1,060.46	1,038.60	21.86	48.521	
4,000.00	3,994.24	4,124.66	4,118.90	11.93	14.33	-77.186	13.43	1,090.39	1,047.15	1,024.78	22.37	46.806	
4,100.00	4,094.00	4,212.40	4,206.04	12.26	14.66	-77.604	13.27	1,080.18	1,034.13	1,011.29	22.83	45.290	
4,200.00	4,193.75	4,300.77	4,293.94	12.59	14.99	-78.020	13.07	1,071.13	1,022.49	999.20	23.29	43.896	
4,300.00	4,293.51	4,405.57	4,398.21	12.93	15.38	-78.552	13.33	1,060.53	1,011.16	987.37	23.79	42.508	
4,400.00	4,393.27	4,507.24	4,499.24	13.26	15.77	-79.131	14.29	1,049.21	999.03	974.76	24.27	41.158	
4,500.00	4,493.02	4,590.57	4,582.10	13.60	16.08	-79.630	15.42	1,040.44	987.72	963.00	24.72	39.962	
4,600.00	4,592.78	4,674.46	4,665.69	13.94	16.39	-80.096	16.17	1,033.50	978.52	953.36	25.16	38.897	
4,700.00	4,692.54	4,774.98	4,765.89	14.28	16.76	-80.642	16.77	1,025.51	969.71	944.07	25.64	37.824	
4,800.00	4,792.29	4,884.63	4,875.18	14.62	17.17	-81.274	17.80	1,016.67	961.01	934.86	26.14	36.763	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 434H - OH / 68223 - Surveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 176-MWD+HDGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>												<b>Rule Assigned:</b>	
<b>Offset</b>												<b>Warning</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</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	
							<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
4,900.00	4,892.05	5,024.99	5,014.59	14.97	17.70	-82.231	20.15	1,000.62	949.29	922.59	26.70	35.556	
5,000.00	4,991.81	5,108.83	5,097.72	15.31	18.02	-82.834	21.46	989.79	936.25	909.10	27.15	34.487	
5,100.00	5,091.56	5,203.72	5,191.94	15.66	18.38	-83.503	22.74	978.62	924.38	896.76	27.62	33.471	
5,200.00	5,191.32	5,307.00	5,294.40	16.00	18.78	-84.293	24.68	965.80	912.18	884.08	28.10	32.459	
5,300.00	5,291.08	5,402.00	5,388.67	16.35	19.15	-85.038	26.49	954.22	900.37	871.80	28.57	31.511	
5,400.00	5,390.83	5,494.67	5,480.77	16.70	19.50	-85.732	27.77	943.98	889.63	860.59	29.04	30.634	
5,500.00	5,490.59	5,621.53	5,606.43	17.05	19.99	-86.842	30.68	926.97	877.04	847.46	29.58	29.654	
5,600.00	5,590.35	5,717.98	5,701.79	17.40	20.37	-87.766	33.26	912.70	863.57	833.51	30.06	28.727	
5,700.00	5,690.10	5,811.48	5,794.31	17.75	20.74	-88.655	35.42	899.37	850.73	820.18	30.55	27.850	
5,800.00	5,789.86	5,905.04	5,887.00	18.10	21.10	-89.527	37.22	886.79	838.71	807.68	31.04	27.025	
5,900.00	5,889.62	6,002.17	5,983.31	18.46	21.48	-90.413	38.62	874.29	827.28	795.74	31.54	26.233	
6,000.00	5,989.37	6,100.68	6,081.01	18.81	21.87	-91.310	39.70	861.74	816.04	783.99	32.04	25.466	
6,100.00	6,089.13	6,195.87	6,175.46	19.16	22.23	-92.171	40.44	849.93	805.18	772.63	32.55	24.736	
6,200.00	6,188.89	6,291.45	6,270.40	19.52	22.60	-93.012	40.83	838.84	795.09	762.03	33.06	24.048	
6,300.00	6,288.64	6,391.33	6,369.59	19.87	22.99	-93.926	41.42	827.18	785.20	751.61	33.59	23.373	
6,400.00	6,388.40	6,489.41	6,466.96	20.22	23.37	-94.890	42.50	815.39	775.44	741.31	34.13	22.718	
6,500.00	6,488.16	6,584.56	6,561.47	20.58	23.74	-95.809	43.20	804.42	766.17	731.50	34.67	22.097	
6,600.00	6,587.91	6,679.49	6,655.81	20.94	24.10	-96.748	44.16	793.94	757.68	722.45	35.22	21.512	
6,700.00	6,687.67	6,776.68	6,752.39	21.29	24.48	-97.772	45.82	783.25	749.78	713.99	35.79	20.948	
6,800.00	6,787.43	6,874.10	6,849.22	21.65	24.85	-98.813	47.47	772.67	742.26	705.88	36.38	20.405	
6,900.00	6,887.18	6,970.66	6,945.25	22.01	25.22	-99.839	48.95	762.57	735.25	698.28	36.97	19.888	
7,000.00	6,986.94	7,066.95	7,041.05	22.36	25.59	-100.840	50.17	753.04	728.82	691.24	37.57	19.398	
7,100.00	7,086.70	7,166.51	7,140.15	22.72	25.97	-101.874	51.35	743.50	722.85	684.65	38.20	18.924	
7,200.00	7,186.45	7,269.61	7,242.68	23.08	26.36	-103.027	53.03	732.83	716.74	677.88	38.86	18.442	
7,300.00	7,286.21	7,368.14	7,340.57	23.44	26.74	-104.216	55.09	721.85	710.54	671.00	39.54	17.969	
7,400.00	7,385.97	7,463.59	7,435.46	23.80	27.11	-105.356	56.96	711.65	704.95	664.73	40.22	17.527	
7,500.00	7,485.72	7,560.01	7,531.40	24.16	27.47	-106.457	58.46	702.19	700.09	659.18	40.91	17.113	
7,600.00	7,585.48	7,658.36	7,629.32	24.52	27.85	-107.553	59.73	693.03	695.72	654.11	41.62	16.718	
7,700.00	7,685.24	7,758.80	7,729.34	24.88	28.23	-108.643	60.59	683.96	691.55	649.21	42.34	16.333	
7,800.00	7,784.99	7,858.42	7,828.47	25.24	28.61	-109.818	62.06	674.19	687.47	644.37	43.10	15.951	
7,900.00	7,884.75	7,955.78	7,925.21	25.60	28.98	-111.123	64.81	663.52	683.77	639.87	43.90	15.577	
8,000.00	7,984.51	8,051.75	8,020.59	25.96	29.35	-112.403	67.57	653.37	680.74	636.03	44.70	15.228	
8,100.00	8,084.26	8,146.22	8,114.61	26.32	29.71	-113.588	69.93	644.43	678.58	633.08	45.50	14.915	
8,200.00	8,184.02	8,243.16	8,211.19	26.68	30.07	-114.718	71.89	636.36	677.18	630.88	46.30	14.627	
8,300.00	8,283.78	8,332.00	8,299.80	27.04	30.40	-115.662	73.26	630.07	676.57	629.54	47.03	14.386	
8,306.65	8,290.41	8,342.46	8,310.24	27.06	30.44	-115.767	73.40	629.42	676.54	629.44	47.11	14.362	
8,400.00	8,383.53	8,426.00	8,393.66	27.40	30.74	-116.551	75.05	625.47	677.83	630.06	47.77	14.189	
8,500.00	8,483.29	8,510.32	8,477.92	27.76	31.04	-117.272	77.34	623.08	681.13	632.70	48.43	14.065	
8,600.00	8,583.05	8,611.01	8,578.55	28.12	31.39	-118.078	80.13	620.98	685.17	635.99	49.19	13.930	
8,700.00	8,682.80	8,711.99	8,679.49	28.48	31.74	-118.827	82.33	619.15	689.07	639.13	49.94	13.798	
8,800.00	8,782.56	8,811.04	8,778.51	28.85	32.08	-119.513	84.13	617.72	693.01	642.34	50.67	13.677	
8,900.00	8,882.32	8,910.33	8,877.78	29.21	32.42	-120.164	85.77	616.60	697.11	645.72	51.40	13.563	
9,000.00	8,982.07	9,010.80	8,978.24	29.57	32.77	-120.789	87.20	615.68	701.24	649.11	52.13	13.452	
9,100.00	9,081.83	9,109.99	9,077.42	29.93	33.11	-121.382	88.46	614.92	705.42	652.57	52.85	13.347	
9,200.00	9,181.59	9,208.21	9,175.62	30.30	33.44	-121.937	89.62	614.51	709.81	656.25	53.56	13.252	
9,300.00	9,281.34	9,306.09	9,273.50	30.66	33.77	-122.473	90.92	614.35	714.52	660.26	54.26	13.167	
9,400.00	9,381.10	9,405.54	9,372.94	31.02	34.11	-122.999	92.28	614.38	719.44	664.46	54.98	13.087	
9,500.00	9,480.86	9,505.35	9,472.74	31.39	34.44	-123.491	93.41	614.68	724.38	668.70	55.68	13.010	
9,600.00	9,580.61	9,607.21	9,574.59	31.75	34.78	-123.972	94.41	615.13	729.32	672.93	56.39	12.933	
9,700.00	9,680.37	9,710.08	9,677.46	32.11	35.12	-124.456	95.02	615.25	733.81	676.69	57.12	12.847	
9,800.00	9,780.13	9,810.06	9,777.44	32.48	35.46	-124.935	95.54	615.08	738.13	680.29	57.84	12.762	
9,900.00	9,879.88	9,912.13	9,879.51	32.84	35.79	-125.356	95.57	615.54	742.41	683.88	58.54	12.683	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com - 434H - OH / 68223 - Surveys (H&P 474)													Offset Site Error:	0.00 usft	
Survey Program:		176-MWD+HDGM		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,000.00	9,979.64	10,013.84	9,981.22	33.20	36.12	-125.734	95.02	616.23	746.37	687.15	59.22	12.603			
10,100.00	10,079.39	10,117.70	10,085.07	33.57	36.45	-126.105	94.08	616.85	750.01	690.09	59.91	12.518			
10,200.00	10,179.15	10,219.70	10,187.06	33.93	36.78	-126.449	92.65	617.41	753.22	692.63	60.60	12.430			
10,300.00	10,278.91	10,317.63	10,284.98	34.29	37.10	-126.781	91.30	617.91	756.46	695.20	61.26	12.348			
10,400.00	10,378.66	10,415.61	10,382.95	34.66	37.42	-127.148	90.41	618.09	759.97	698.03	61.94	12.269			
10,500.00	10,478.42	10,512.87	10,480.22	35.02	37.75	-127.572	90.19	617.69	763.80	701.15	62.66	12.190			
10,600.00	10,578.18	10,610.20	10,577.54	35.39	38.09	-128.038	90.57	616.91	768.03	704.64	63.39	12.115			
10,700.00	10,677.93	10,709.33	10,676.67	35.75	38.44	-128.521	91.17	616.02	772.45	708.30	64.15	12.042			
10,800.00	10,777.69	10,806.75	10,774.07	36.12	38.78	-129.005	92.06	615.10	777.17	712.27	64.90	11.975			
10,900.00	10,877.45	10,907.98	10,875.28	36.48	39.13	-129.549	93.36	613.59	782.03	716.33	65.69	11.904			
11,000.00	10,977.20	11,010.23	10,977.51	36.85	39.49	-130.119	94.45	611.54	786.52	720.01	66.51	11.826			
11,100.00	11,076.96	11,111.54	11,078.79	37.21	39.85	-130.664	95.39	609.64	791.03	723.71	67.31	11.751			
11,200.00	11,176.72	11,215.29	11,182.53	37.57	40.22	-131.194	95.72	607.72	795.06	726.93	68.13	11.671			
11,300.00	11,276.47	11,310.83	11,278.05	37.94	40.55	-131.660	95.82	606.12	799.05	730.17	68.88	11.600			
11,400.00	11,376.23	11,407.75	11,374.93	38.30	40.90	-132.204	97.07	603.85	803.87	734.19	69.68	11.537			
11,500.00	11,475.99	11,503.84	11,471.02	38.67	41.23	-132.656	97.88	602.68	808.83	738.40	70.43	11.484			
11,510.34	11,486.30	11,513.41	11,480.59	38.71	41.26	-132.690	97.93	602.71	809.39	738.89	70.50	11.481			
11,600.00	11,575.83	11,596.89	11,564.06	39.02	41.53	-132.923	98.38	603.91	813.66	742.61	71.05	11.453			
11,700.00	11,675.80	11,696.52	11,663.66	39.33	41.86	-132.965	99.21	605.97	816.71	745.12	71.59	11.408			
11,710.24	11,686.04	11,707.15	11,674.29	39.34	41.89	24.436	99.29	606.18	816.87	745.24	71.63	11.404			
11,800.00	11,775.80	11,795.08	11,762.20	39.34	42.18	24.496	100.12	607.50	818.20	746.31	71.89	11.381			
11,900.00	11,875.80	11,893.26	11,860.36	39.35	42.51	24.495	101.73	608.23	820.01	747.78	72.22	11.354			
12,000.00	11,975.80	11,994.55	11,961.64	39.35	42.84	24.566	103.00	609.93	821.84	749.30	72.55	11.329			
12,100.00	12,075.80	13,163.31	12,676.60	39.36	45.16	80.185	-554.49	787.68	799.24	738.10	61.14	13.072			
12,200.00	12,175.80	13,165.64	12,676.65	39.36	45.17	80.439	-556.79	788.03	727.07	664.85	62.22	11.685			
12,210.24	12,186.04	13,165.88	12,676.65	39.36	45.17	80.464	-557.02	788.06	720.05	657.72	62.33	11.552			
12,250.00	12,225.77	13,168.42	12,676.70	39.43	45.17	-102.158	-559.54	788.44	693.75	630.98	62.77	11.053			
12,300.00	12,275.43	13,176.18	12,676.83	39.69	45.20	-105.092	-567.22	789.59	663.22	599.87	63.35	10.469			
12,350.00	12,324.42	13,188.81	12,677.02	39.98	45.23	-106.932	-579.71	791.43	635.99	572.04	63.95	9.946			
12,400.00	12,372.35	13,206.07	12,677.24	40.29	45.28	-107.787	-596.79	793.91	612.45	547.90	64.55	9.489			
12,450.00	12,418.86	13,223.24	12,677.40	40.60	45.34	-108.180	-613.77	796.37	592.95	527.91	65.05	9.116			
12,500.00	12,463.61	13,243.25	12,677.53	40.91	45.40	-107.879	-633.56	799.35	577.80	512.30	65.49	8.822			
12,550.00	12,506.24	13,266.34	12,677.61	41.22	45.48	-106.925	-656.38	802.93	567.05	501.16	65.89	8.605			
12,600.00	12,546.43	13,292.29	12,677.62	41.50	45.56	-105.406	-681.98	807.12	560.62	494.37	66.25	8.462			
12,650.00	12,583.88	13,319.30	12,677.56	41.78	45.66	-103.533	-708.60	811.71	558.28	491.73	66.55	8.389			
12,654.85	12,587.36	13,321.96	12,677.55	41.80	45.67	-103.337	-711.22	812.18	558.26	491.68	66.58	8.385 CC			
12,700.00	12,618.30	13,347.88	12,677.59	42.03	45.76	-101.343	-736.71	816.89	559.74	492.92	66.82	8.376			
12,750.00	12,649.43	13,378.81	12,677.78	42.27	45.88	-98.875	-767.05	822.89	564.52	497.42	67.11	8.412			
12,800.00	12,677.04	13,413.01	12,678.09	42.47	46.01	-96.188	-800.50	829.97	572.05	504.60	67.45	8.481			
12,850.00	12,700.91	13,450.32	12,678.08	42.66	46.18	-93.393	-836.93	838.07	581.61	513.74	67.87	8.570			
12,900.00	12,720.86	13,488.62	12,677.57	42.81	46.35	-90.690	-874.23	846.74	592.70	524.39	68.30	8.677			
12,950.00	12,736.74	13,527.70	12,676.54	42.94	46.52	-88.154	-912.19	855.96	604.88	536.11	68.77	8.796			
13,000.00	12,748.43	13,567.34	12,674.95	43.04	46.70	-85.847	-950.59	865.70	617.79	548.52	69.26	8.919			
13,050.00	12,755.84	13,605.43	12,673.04	43.11	46.88	-83.844	-987.35	875.46	631.16	561.38	69.77	9.046			
13,100.00	12,758.91	13,641.85	12,671.53	43.15	47.06	-82.188	-1,022.33	885.46	644.96	574.65	70.31	9.173			
13,110.24	12,759.00	13,649.30	12,671.27	43.16	47.10	-81.889	-1,029.46	887.60	647.83	577.41	70.43	9.199			
13,200.00	12,759.00	13,745.42	12,669.57	43.21	47.61	-82.080	-1,121.35	915.76	673.39	601.40	71.99	9.354			
13,300.00	12,759.00	13,913.52	12,672.85	43.28	48.59	-82.786	-1,284.66	955.13	695.77	620.64	75.13	9.261			
13,400.00	12,759.00	14,125.20	12,671.75	43.36	49.93	-82.892	-1,495.01	976.16	705.08	625.35	79.73	8.844			
13,500.00	12,759.00	14,285.53	12,655.02	43.45	51.01	-81.415	-1,654.09	966.84	698.66	615.64	83.01	8.416			
13,600.00	12,759.00	14,373.70	12,645.14	43.56	51.63	-80.504	-1,741.40	959.62	691.40	607.03	84.37	8.195			
13,700.00	12,759.00	14,434.00	12,639.02	43.70	52.06	-79.950	-1,801.31	956.44	687.52	602.47	85.05	8.084			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com - 434H - OH / 68223 - Surveys (H&P 474)													Offset Site Error:	0.00 usft	
Survey Program:		176-MWD+HDGM				Rule Assigned:								Offset Well Error:	1.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance			Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
13,746.09	12,759.00	14,479.36	12,636.49	43.77	52.41	-79.726	-1,846.58	955.75	686.86	600.97	85.89	7.997			
13,800.00	12,759.00	14,528.00	12,637.89	43.86	52.79	-79.855	-1,895.15	957.24	687.64	600.86	86.78	7.924			
13,900.00	12,759.00	14,609.59	12,642.99	44.05	53.44	-80.326	-1,976.46	961.66	690.73	602.45	88.29	7.824			
14,000.00	12,759.00	14,688.15	12,646.85	44.28	54.09	-80.701	-2,054.75	966.87	695.58	605.81	89.77	7.749			
14,100.00	12,759.00	14,843.08	12,648.02	44.57	55.40	-80.860	-2,209.35	973.18	698.71	605.45	93.26	7.492			
14,200.00	12,759.00	14,936.48	12,643.78	44.91	56.21	-80.497	-2,302.65	972.61	697.89	602.77	95.12	7.337			
14,300.00	12,759.00	15,043.15	12,637.20	45.32	57.15	-79.946	-2,409.12	972.31	697.75	600.44	97.31	7.170			
14,400.00	12,759.00	15,152.16	12,633.74	45.81	58.13	-79.615	-2,518.05	969.91	695.14	595.54	99.61	6.979			
14,500.00	12,759.00	15,250.68	12,631.50	46.40	59.04	-79.393	-2,616.52	968.15	692.86	591.17	101.69	6.814			
14,600.00	12,759.00	15,346.73	12,629.92	47.09	59.94	-79.228	-2,712.55	966.66	690.69	586.94	103.75	6.657			
14,700.00	12,759.00	15,438.72	12,630.64	47.88	60.82	-79.271	-2,804.52	966.54	689.48	583.71	105.77	6.518			
14,769.23	12,759.00	15,503.94	12,633.77	48.48	61.47	-79.533	-2,869.66	967.61	689.33	582.06	107.27	6.426			
14,800.00	12,759.00	15,533.87	12,635.56	48.76	61.77	-79.684	-2,899.53	968.25	689.35	581.38	107.97	6.385			
14,900.00	12,759.00	15,630.10	12,641.12	49.72	62.74	-80.159	-2,995.57	970.54	689.74	579.51	110.23	6.257			
15,000.00	12,759.00	15,720.94	12,644.13	50.75	63.67	-80.429	-3,086.32	973.08	691.00	578.65	112.35	6.150			
15,100.00	12,759.00	15,818.91	12,648.14	51.84	64.69	-80.798	-3,184.12	977.11	693.44	578.75	114.69	6.046			
15,200.00	12,759.00	15,934.72	12,651.38	52.98	65.91	-81.091	-3,299.84	980.40	694.89	577.42	117.47	5.915			
15,300.00	12,759.00	16,036.00	12,652.59	54.15	66.98	-81.188	-3,401.11	981.28	694.61	574.73	119.88	5.794			
15,322.96	12,759.00	16,058.17	12,652.54	54.43	67.22	-81.183	-3,423.28	981.43	694.55	574.14	120.41	5.768			
15,400.00	12,759.00	16,131.00	12,651.83	55.36	68.00	-81.131	-3,496.09	982.62	695.16	573.02	122.14	5.691			
15,500.00	12,759.00	16,214.31	12,650.30	56.60	68.92	-81.029	-3,579.34	985.14	697.39	573.26	124.13	5.618			
15,600.00	12,759.00	16,310.83	12,647.84	57.85	69.98	-80.866	-3,675.77	988.91	700.70	574.25	126.45	5.541			
15,700.00	12,759.00	16,419.65	12,645.78	59.13	71.20	-80.737	-3,784.48	992.83	703.62	574.52	129.10	5.450			
15,800.00	12,759.00	16,536.64	12,647.86	60.42	72.52	-80.936	-3,901.40	996.31	705.44	573.46	131.98	5.345			
15,900.00	12,759.00	16,662.83	12,648.94	61.72	73.94	-80.969	-4,027.54	993.38	701.70	566.76	134.95	5.200			
16,000.00	12,759.00	16,761.83	12,648.71	63.04	75.06	-80.904	-4,126.49	990.72	698.14	560.76	137.38	5.082			
16,100.00	12,759.00	16,858.32	12,647.02	64.36	76.16	-80.715	-4,222.92	987.77	694.45	554.69	139.76	4.969			
16,200.00	12,759.00	16,952.59	12,646.30	65.69	77.25	-80.619	-4,317.18	985.86	691.63	549.51	142.13	4.866			
16,291.23	12,759.00	17,026.98	12,645.49	66.91	78.12	-80.535	-4,391.55	985.25	690.25	546.19	144.06	4.791			
16,300.00	12,759.00	17,033.54	12,645.47	67.03	78.20	-80.533	-4,398.11	985.32	690.26	546.03	144.23	4.786			
16,400.00	12,759.00	17,120.24	12,645.45	68.37	79.22	-80.554	-4,484.77	987.79	692.05	545.60	146.45	4.725			
16,500.00	12,759.00	17,221.48	12,642.09	69.73	80.43	-80.302	-4,585.92	990.34	694.13	545.16	148.97	4.659			
16,600.00	12,759.00	17,311.45	12,638.66	71.08	81.52	-80.046	-4,675.79	992.85	696.63	545.41	151.21	4.607			
16,700.00	12,759.00	17,403.55	12,637.33	72.44	82.64	-79.996	-4,767.75	997.73	701.11	547.55	153.55	4.566			
16,800.00	12,759.00	17,576.68	12,636.34	73.81	84.73	-79.929	-4,940.72	1,000.32	702.61	545.04	157.57	4.459			
16,900.00	12,759.00	17,725.51	12,634.81	75.18	86.49	-79.573	-5,088.80	985.99	691.89	531.58	160.30	4.316			
17,000.00	12,759.00	17,799.61	12,634.57	76.55	87.37	-79.422	-5,162.48	978.13	680.66	517.96	162.70	4.183			
17,100.00	12,759.00	17,873.36	12,636.05	77.92	88.27	-79.468	-5,236.08	973.83	673.57	508.54	165.03	4.082			
17,200.00	12,759.00	17,952.89	12,638.12	79.30	89.24	-79.602	-5,315.56	972.07	669.94	502.60	167.34	4.003			
17,300.00	12,759.00	18,042.04	12,639.42	80.68	90.35	-79.698	-5,404.71	972.06	668.70	498.94	169.76	3.939			
17,400.00	12,759.00	18,139.42	12,637.47	82.07	91.57	-79.518	-5,502.06	971.95	668.01	495.75	172.26	3.878			
17,410.36	12,759.00	18,148.23	12,637.25	82.21	91.68	-79.499	-5,510.87	971.99	668.00	495.51	172.49	3.873			
17,500.00	12,759.00	18,223.89	12,636.50	83.45	92.63	-79.445	-5,586.51	973.35	668.91	494.42	174.49	3.833			
17,600.00	12,759.00	18,305.84	12,636.36	84.84	93.66	-79.478	-5,668.37	977.00	672.37	495.74	176.62	3.807			
17,700.00	12,759.00	18,399.00	12,633.65	86.23	94.85	-79.315	-5,761.35	981.92	677.19	498.20	179.00	3.783			
17,800.00	12,759.00	18,494.00	12,629.18	87.62	96.07	-79.027	-5,856.04	988.07	683.49	502.10	181.38	3.768			
17,900.00	12,759.00	18,589.48	12,626.68	89.01	97.30	-78.931	-5,951.18	995.78	690.93	507.08	183.85	3.758			
18,000.00	12,759.00	18,726.31	12,632.14	90.41	99.07	-79.472	-6,087.62	1,003.36	694.44	506.62	187.81	3.698			
18,100.00	12,759.00	18,836.45	12,638.05	91.80	100.50	-79.989	-6,197.54	1,006.91	695.73	504.85	190.88	3.645			
18,161.30	12,759.00	18,900.48	12,641.05	92.66	101.33	-80.239	-6,261.50	1,008.01	695.68	503.03	192.65	3.611			
18,200.00	12,759.00	18,936.01	12,642.75	93.20	101.79	-80.382	-6,296.98	1,008.73	695.77	502.10	193.67	3.593			
18,300.00	12,759.00	19,032.40	12,647.40	94.60	103.04	-80.781	-6,393.23	1,011.25	696.62	500.22	196.39	3.547			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com - 434H - OH / 68223 - Surveys (H&P 474)											Offset Site Error: 0.00 usft			
Survey Program: 176-MWD+HDGM		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 1.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
18,400.00	12,759.00	19,131.30	12,651.56	96.00	104.33	-81.141	-6,492.01	1,013.95	697.70	498.53	199.17	3.503		
18,500.00	12,759.00	19,227.66	12,654.07	97.40	105.59	-81.366	-6,588.29	1,016.61	699.08	497.25	201.84	3.464		
18,600.00	12,759.00	19,324.56	12,653.76	98.81	106.86	-81.364	-6,685.15	1,019.39	701.02	496.57	204.46	3.429		
18,700.00	12,759.00	19,421.93	12,653.28	100.21	108.13	-81.352	-6,782.46	1,022.54	703.34	496.26	207.09	3.396		
18,800.00	12,759.00	19,504.13	12,652.80	101.62	109.22	-81.349	-6,864.58	1,026.18	706.89	497.60	209.29	3.378		
18,900.00	12,759.00	19,582.42	12,652.21	103.02	110.26	-81.363	-6,942.65	1,032.01	713.42	502.17	211.26	3.377		
19,000.00	12,759.00	19,689.81	12,651.43	104.43	111.68	-81.413	-7,049.53	1,042.35	722.20	507.92	214.27	3.370		
19,100.00	12,759.00	19,869.59	12,646.81	105.84	114.05	-81.055	-7,229.04	1,044.46	722.12	503.49	218.62	3.303		
19,200.00	12,759.00	19,971.45	12,641.09	107.24	115.38	-80.536	-7,330.64	1,040.08	717.81	496.66	221.15	3.246		
19,300.00	12,759.00	20,072.28	12,637.92	108.65	116.69	-80.220	-7,431.34	1,036.15	713.54	489.82	223.72	3.189		
19,400.00	12,759.00	20,174.24	12,635.66	110.06	118.03	-79.971	-7,533.19	1,032.04	709.00	482.67	226.33	3.133		
19,500.00	12,759.00	20,283.61	12,635.87	111.47	119.46	-79.905	-7,642.46	1,027.31	703.77	474.74	229.03	3.073		
19,600.00	12,759.00	20,386.38	12,635.83	112.89	120.80	-79.807	-7,745.07	1,021.73	697.49	465.81	231.68	3.011		
19,700.00	12,759.00	20,488.64	12,636.27	114.30	122.14	-79.743	-7,847.17	1,015.84	690.80	456.46	234.34	2.948		
19,800.00	12,759.00	20,577.00	12,637.63	115.71	123.30	-79.777	-7,935.41	1,011.47	684.72	447.70	237.02	2.889		
19,900.00	12,759.00	20,661.02	12,640.40	117.12	124.42	-79.961	-8,019.34	1,009.28	680.65	440.96	239.69	2.840		
20,000.00	12,759.00	20,764.82	12,644.55	118.54	125.81	-80.272	-8,123.06	1,007.95	677.76	435.18	242.58	2.794		
20,100.00	12,759.00	20,860.08	12,648.77	119.95	127.08	-80.594	-8,218.21	1,006.69	674.77	429.38	245.39	2.750		
20,169.76	12,759.00	20,912.00	12,651.39	120.94	127.78	-80.802	-8,270.06	1,006.23	673.16	426.05	247.10	2.724	ES, SF	
20,200.00	12,759.00	20,912.00	12,651.39	121.37	127.78	-80.802	-8,270.06	1,006.23	673.84	426.71	247.13	2.727		
20,300.00	12,759.00	20,912.00	12,651.39	122.78	127.78	-80.802	-8,270.06	1,006.23	685.64	441.38	244.27	2.807		
20,400.00	12,759.00	20,912.00	12,651.39	124.20	127.78	-80.802	-8,270.06	1,006.23	711.44	473.95	237.49	2.996		
20,500.00	12,759.00	20,912.00	12,651.39	125.61	127.78	-80.802	-8,270.06	1,006.23	749.80	521.79	228.01	3.288		
20,600.00	12,759.00	20,912.00	12,651.39	127.03	127.78	-80.802	-8,270.06	1,006.23	798.90	581.78	217.13	3.679		
20,700.00	12,759.00	20,912.00	12,651.39	128.45	127.78	-80.802	-8,270.06	1,006.23	856.91	651.00	205.91	4.161		
20,800.00	12,759.00	20,912.00	12,651.39	129.87	127.78	-80.802	-8,270.06	1,006.23	922.14	727.05	195.09	4.727		
20,900.00	12,759.00	20,912.00	12,651.39	131.29	127.78	-80.802	-8,270.06	1,006.23	993.17	808.11	185.06	5.367		
21,000.00	12,759.00	20,912.00	12,651.39	132.70	127.78	-80.802	-8,270.06	1,006.23	1,068.85	892.86	175.99	6.073		
21,100.00	12,759.00	20,912.00	12,651.39	134.12	127.78	-80.802	-8,270.06	1,006.23	1,148.25	980.34	167.92	6.838		
21,200.00	12,759.00	20,912.00	12,651.39	135.54	127.78	-80.802	-8,270.06	1,006.23	1,230.66	1,069.87	160.79	7.654		
21,300.00	12,759.00	20,912.00	12,651.39	136.96	127.78	-80.802	-8,270.06	1,006.23	1,315.52	1,160.98	154.54	8.512		
21,400.00	12,759.00	20,912.00	12,651.39	138.38	127.78	-80.802	-8,270.06	1,006.23	1,402.37	1,253.31	149.06	9.408		
21,500.00	12,759.00	20,912.00	12,651.39	139.80	127.78	-80.802	-8,270.06	1,006.23	1,490.87	1,346.60	144.26	10.335		
21,600.00	12,759.00	20,912.00	12,651.39	141.22	127.78	-80.802	-8,270.06	1,006.23	1,580.74	1,440.68	140.05	11.287		
21,700.00	12,759.00	20,912.00	12,651.39	142.65	127.78	-80.802	-8,270.06	1,006.23	1,671.76	1,535.40	136.36	12.260		
21,800.00	12,759.00	20,912.00	12,651.39	144.07	127.78	-80.802	-8,270.06	1,006.23	1,763.75	1,630.65	133.10	13.251		
21,900.00	12,759.00	20,912.00	12,651.39	145.49	127.78	-80.802	-8,270.06	1,006.23	1,856.57	1,726.34	130.23	14.256		
22,000.00	12,759.00	20,912.00	12,651.39	146.91	127.78	-80.802	-8,270.06	1,006.23	1,950.11	1,822.41	127.70	15.271		
22,100.00	12,759.00	20,912.00	12,651.39	148.33	127.78	-80.802	-8,270.06	1,006.23	2,044.25	1,918.80	125.45	16.296		
22,125.24	12,759.00	20,912.00	12,651.39	148.69	127.78	-80.802	-8,270.06	1,006.23	2,068.10	1,943.18	124.92	16.555		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 514H - OH / 68224 - Suveys (H&P 474)													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 176-MWD+HDGM													<b>Offset Well Error:</b> 1.00 usft
<b>Rule Assigned:</b>													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	3.00	1.00	1.00	90.669	-15.09	1,292.10	1,292.20				
100.00	100.00	99.30	102.30	1.08	1.01	90.675	-15.23	1,292.01	1,292.11	1,290.01	2.10	616.600	
200.00	200.00	201.44	204.43	1.60	1.06	90.694	-15.65	1,291.74	1,291.84	1,289.18	2.66	485.441	
300.00	300.00	303.22	306.22	2.01	1.23	90.711	-16.03	1,291.32	1,291.44	1,288.19	3.24	398.111	
400.00	400.00	402.93	405.92	2.35	1.47	90.743	-16.75	1,290.82	1,290.94	1,287.11	3.83	337.486	
500.00	500.00	504.58	507.57	2.65	1.76	90.762	-17.15	1,290.30	1,290.43	1,286.02	4.41	292.516	
600.00	600.00	601.00	603.99	2.93	2.05	90.793	-17.85	1,289.81	1,289.94	1,284.96	4.98	259.153	
700.00	700.00	700.34	703.32	3.18	2.37	90.841	-18.93	1,289.50	1,289.65	1,284.10	5.55	232.560	
800.00	800.00	805.71	808.69	3.41	2.71	90.881	-19.81	1,288.95	1,289.13	1,283.00	6.13	210.398	
900.00	900.00	903.04	906.01	3.64	3.04	90.905	-20.36	1,288.33	1,288.50	1,281.83	6.68	193.024	
1,000.00	1,000.00	998.67	1,001.64	3.85	3.36	90.931	-20.94	1,288.15	1,288.32	1,281.11	7.21	178.687	
1,100.00	1,100.00	1,101.88	1,104.85	4.05	3.72	90.972	-21.85	1,287.76	1,287.95	1,280.19	7.77	165.863	
1,168.92	1,168.92	1,165.96	1,168.92	4.18	3.94	91.000	-22.47	1,287.60	1,287.79	1,279.67	8.12	158.618	
1,200.00	1,200.00	1,193.74	1,196.70	4.24	4.03	91.012	-22.75	1,287.63	1,287.83	1,279.56	8.27	155.647	
1,300.00	1,300.00	1,283.30	1,286.25	4.43	4.34	91.055	-23.72	1,288.21	1,288.50	1,279.73	8.77	147.004	
1,400.00	1,400.00	1,377.46	1,380.39	4.61	4.66	91.110	-24.97	1,289.49	1,289.88	1,280.62	9.26	139.234	
1,500.00	1,500.00	1,504.08	1,507.00	4.78	5.09	91.190	-26.80	1,290.58	1,290.88	1,281.00	9.88	130.718	
1,600.00	1,599.98	1,619.86	1,622.74	4.98	5.50	-66.221	-28.99	1,289.03	1,288.85	1,278.43	10.42	123.720	
1,699.91	1,699.74	1,717.19	1,720.05	5.60	5.84	-66.417	-30.76	1,287.37	1,285.08	1,274.10	10.97	117.118	
1,800.00	1,799.59	1,814.92	1,817.74	5.91	6.19	-66.616	-32.54	1,285.87	1,280.79	1,269.31	11.48	111.597	
1,900.00	1,899.35	1,912.33	1,915.13	6.08	6.54	-66.816	-34.30	1,284.55	1,276.69	1,264.73	11.96	106.781	
2,000.00	1,999.11	2,009.70	2,012.47	6.27	6.88	-67.012	-36.18	1,283.45	1,272.84	1,260.40	12.44	102.326	
2,100.00	2,098.86	2,113.54	2,116.29	6.47	7.25	-67.225	-38.14	1,282.23	1,268.96	1,256.02	12.95	98.011	
2,200.00	2,198.62	2,220.66	2,223.38	6.68	7.63	-67.451	-40.03	1,280.40	1,264.56	1,251.09	13.47	93.893	
2,300.00	2,298.38	2,320.10	2,322.78	6.91	7.99	-67.676	-41.50	1,278.37	1,259.85	1,245.88	13.96	90.223	
2,400.00	2,398.13	2,415.21	2,417.88	7.15	8.32	-67.894	-42.86	1,276.71	1,255.45	1,241.01	14.45	86.901	
2,500.00	2,497.89	2,511.34	2,513.98	7.41	8.67	-68.113	-44.31	1,275.37	1,251.42	1,236.48	14.94	83.786	
2,600.00	2,597.65	2,607.04	2,609.66	7.67	9.01	-68.335	-45.68	1,274.29	1,247.68	1,232.26	15.42	80.888	
2,700.00	2,697.40	2,701.34	2,703.96	7.94	9.35	-68.560	-46.93	1,273.60	1,244.36	1,228.45	15.91	78.214	
2,800.00	2,797.16	2,795.02	2,797.62	8.21	9.68	-68.784	-48.15	1,273.36	1,241.53	1,225.14	16.39	75.742	
2,900.00	2,896.92	2,898.69	2,901.29	8.50	10.05	-69.036	-49.46	1,273.39	1,239.02	1,222.11	16.91	73.278	
3,000.00	2,996.67	3,017.67	3,020.25	8.79	10.47	-69.330	-50.91	1,272.16	1,235.48	1,218.00	17.48	70.689	
3,100.00	3,096.43	3,113.32	3,115.88	9.08	10.81	-69.565	-52.16	1,270.42	1,231.17	1,213.20	17.97	68.519	
3,200.00	3,196.19	3,210.95	3,213.49	9.38	11.16	-69.807	-53.41	1,269.03	1,227.27	1,208.81	18.47	66.461	
3,300.00	3,295.94	3,312.58	3,315.10	9.69	11.52	-70.092	-54.04	1,267.56	1,223.40	1,204.42	18.97	64.483	
3,400.00	3,395.70	3,408.00	3,410.52	10.00	11.86	-70.377	-54.28	1,266.37	1,219.77	1,200.32	19.46	62.693	
3,500.00	3,495.46	3,488.20	3,490.71	10.31	12.13	-70.614	-54.52	1,266.17	1,217.14	1,197.26	19.88	61.217	
3,600.00	3,595.21	3,580.36	3,582.87	10.63	12.44	-70.897	-54.54	1,266.88	1,215.60	1,195.27	20.34	59.773	
3,700.00	3,694.97	3,704.25	3,706.76	10.95	12.86	-71.284	-54.50	1,267.13	1,213.58	1,192.68	20.90	58.064	
3,800.00	3,794.73	3,795.67	3,798.18	11.27	13.19	-71.552	-54.91	1,266.74	1,210.89	1,189.51	21.37	56.652	
3,900.00	3,894.48	3,893.18	3,895.69	11.60	13.54	-71.826	-55.58	1,266.60	1,208.50	1,186.63	21.87	55.267	
4,000.00	3,994.24	3,990.65	3,993.15	11.93	13.88	-72.098	-56.32	1,266.65	1,206.33	1,183.97	22.36	53.959	
4,100.00	4,094.00	4,089.11	4,091.61	12.26	14.23	-72.372	-57.09	1,266.92	1,204.39	1,181.55	22.85	52.714	
4,200.00	4,193.75	4,202.57	4,205.07	12.59	14.63	-72.683	-58.10	1,266.81	1,202.15	1,178.76	23.39	51.394	
4,300.00	4,293.51	4,311.98	4,314.44	12.93	15.02	-72.954	-59.90	1,265.10	1,198.34	1,174.41	23.92	50.093	
4,400.00	4,393.27	4,402.09	4,404.53	13.26	15.35	-73.165	-61.62	1,264.00	1,194.91	1,170.52	24.39	48.990	
4,500.00	4,493.02	4,490.96	4,493.39	13.60	15.66	-73.371	-63.29	1,263.75	1,192.42	1,167.57	24.85	47.980	
4,600.00	4,592.78	4,590.57	4,592.98	13.94	16.02	-73.608	-64.99	1,264.16	1,190.66	1,165.31	25.35	46.973	
4,700.00	4,692.54	4,699.04	4,701.42	14.28	16.40	-73.835	-67.58	1,263.93	1,188.22	1,162.35	25.88	45.919	
4,800.00	4,792.29	4,822.49	4,824.81	14.62	16.85	-74.072	-71.16	1,262.42	1,184.79	1,158.34	26.45	44.787	
4,900.00	4,892.05	4,904.13	4,906.39	14.97	17.14	-74.219	-73.80	1,261.03	1,180.83	1,153.93	26.90	43.901	
5,000.00	4,991.81	5,016.92	5,019.10	15.31	17.55	-74.403	-77.76	1,259.81	1,177.48	1,150.04	27.44	42.907	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com - 514H - OH / 68224 - Suveys (H&P 474)													Offset Site Error:	0.00 usft	
Survey Program:		176-MWD+HDGM		Offset			Semi Maior Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,100.00	5,091.56	5,141.89	5,143.90	15.66	18.00	-74.569	-83.22	1,256.30	1,172.31	1,144.29	28.02	41.835			
5,200.00	5,191.32	5,263.67	5,265.39	16.00	18.44	-74.728	-88.99	1,250.13	1,164.79	1,136.20	28.58	40.750			
5,300.00	5,291.08	5,375.30	5,376.66	16.35	18.84	-74.886	-94.25	1,243.06	1,156.08	1,126.97	29.11	39.709			
5,400.00	5,390.83	5,472.19	5,473.21	16.70	19.20	-75.016	-99.06	1,236.45	1,146.85	1,117.24	29.61	38.733			
5,500.00	5,490.59	5,567.40	5,568.09	17.05	19.54	-75.130	-104.05	1,230.39	1,138.06	1,107.95	30.10	37.806			
5,600.00	5,590.35	5,669.79	5,670.15	17.40	19.91	-75.259	-109.31	1,223.98	1,129.37	1,098.76	30.61	36.894			
5,700.00	5,690.10	5,785.33	5,785.28	17.75	20.33	-75.481	-113.99	1,215.40	1,119.68	1,088.54	31.14	35.957			
5,800.00	5,789.86	5,874.24	5,873.88	18.10	20.66	-75.677	-117.15	1,208.65	1,109.92	1,078.31	31.61	35.115			
5,900.00	5,889.62	5,970.88	5,970.21	18.46	21.01	-75.882	-120.76	1,201.95	1,100.79	1,068.70	32.09	34.300			
6,000.00	5,989.37	6,074.44	6,073.44	18.81	21.38	-76.143	-123.94	1,194.36	1,091.39	1,058.80	32.59	33.492			
6,100.00	6,089.13	6,159.16	6,157.96	19.16	21.68	-76.431	-125.12	1,188.53	1,082.71	1,049.68	33.03	32.780			
6,200.00	6,188.89	6,249.25	6,247.88	19.52	22.00	-76.778	-125.56	1,183.20	1,075.16	1,041.68	33.47	32.119			
6,300.00	6,288.64	6,338.00	6,336.52	19.87	22.31	-77.142	-125.55	1,178.67	1,068.55	1,034.64	33.91	31.511			
6,400.00	6,388.40	6,432.00	6,430.43	20.22	22.64	-77.557	-124.92	1,174.61	1,062.86	1,028.51	34.35	30.940			
6,500.00	6,488.16	6,519.07	6,517.44	20.58	22.95	-77.935	-124.37	1,171.65	1,058.11	1,023.34	34.77	30.429			
6,600.00	6,587.91	6,607.93	6,606.28	20.94	23.26	-78.293	-124.23	1,169.58	1,054.41	1,019.21	35.20	29.955			
6,700.00	6,687.67	6,706.65	6,704.98	21.29	23.61	-78.685	-124.08	1,167.92	1,051.39	1,015.73	35.66	29.487			
6,800.00	6,787.43	6,793.37	6,791.70	21.65	23.90	-79.046	-123.60	1,166.85	1,048.95	1,012.89	36.06	29.086			
6,888.24	6,875.45	6,863.64	6,861.95	21.96	24.13	-79.358	-122.67	1,166.92	1,048.13	1,011.75	36.39	28.804			
6,900.00	6,887.18	6,872.79	6,871.11	22.01	24.16	-79.400	-122.49	1,167.02	1,048.15	1,011.72	36.43	28.772			
7,000.00	6,986.94	6,964.26	6,962.54	22.36	24.46	-79.840	-120.33	1,168.63	1,049.09	1,012.27	36.83	28.487			
7,100.00	7,086.70	7,063.89	7,062.12	22.72	24.79	-80.312	-118.05	1,170.47	1,050.20	1,012.95	37.25	28.190			
7,200.00	7,186.45	7,165.45	7,163.64	23.08	25.12	-80.799	-115.62	1,172.29	1,051.36	1,013.67	37.69	27.896			
7,300.00	7,286.21	7,262.44	7,260.58	23.44	25.44	-81.283	-112.96	1,173.87	1,052.51	1,014.41	38.11	27.621			
7,400.00	7,385.97	7,354.85	7,352.93	23.80	25.74	-81.757	-110.06	1,175.76	1,054.24	1,015.74	38.50	27.380			
7,500.00	7,485.72	7,450.95	7,448.94	24.16	26.05	-82.233	-107.18	1,178.35	1,056.64	1,017.72	38.92	27.150			
7,600.00	7,585.48	7,551.19	7,549.10	24.52	26.38	-82.706	-104.52	1,181.25	1,059.22	1,019.87	39.35	26.916			
7,700.00	7,685.24	7,657.98	7,655.83	24.88	26.74	-83.195	-102.02	1,184.03	1,061.52	1,021.70	39.81	26.661			
7,800.00	7,784.99	7,763.61	7,761.42	25.24	27.09	-83.681	-99.65	1,186.07	1,063.20	1,022.92	40.27	26.399			
7,900.00	7,884.75	7,864.54	7,862.31	25.60	27.42	-84.146	-97.45	1,187.73	1,064.67	1,023.95	40.72	26.149			
8,000.00	7,984.51	7,972.05	7,969.79	25.96	27.78	-84.629	-95.47	1,189.04	1,065.69	1,024.50	41.19	25.875			
8,100.00	8,084.26	8,076.53	8,074.25	26.32	28.13	-85.118	-93.33	1,189.67	1,066.26	1,024.61	41.64	25.604			
8,200.00	8,184.02	8,181.91	8,179.61	26.68	28.49	-85.616	-91.26	1,189.72	1,066.34	1,024.23	42.11	25.323			
8,300.00	8,283.78	8,284.70	8,282.39	27.04	28.83	-86.089	-89.61	1,189.43	1,066.08	1,023.51	42.57	25.043			
8,400.00	8,383.53	8,384.32	8,382.00	27.40	29.17	-86.539	-88.20	1,189.05	1,065.73	1,022.71	43.02	24.772			
8,500.00	8,483.29	8,485.32	8,482.99	27.76	29.52	-86.985	-86.98	1,188.76	1,065.47	1,021.98	43.48	24.504			
8,600.00	8,583.05	8,583.14	8,580.80	28.12	29.85	-87.410	-85.93	1,188.45	1,065.19	1,021.25	43.93	24.246			
8,626.61	8,609.59	8,608.72	8,606.38	28.22	29.94	-87.520	-85.65	1,188.41	1,065.17	1,021.12	44.05	24.181			
8,700.00	8,682.80	8,679.42	8,677.07	28.48	30.18	-87.823	-84.89	1,188.45	1,065.27	1,020.90	44.38	24.005			
8,800.00	8,782.56	8,777.60	8,775.25	28.85	30.51	-88.231	-83.96	1,188.76	1,065.67	1,020.84	44.83	23.771			
8,900.00	8,882.32	8,875.72	8,873.36	29.21	30.84	-88.636	-83.04	1,189.20	1,066.23	1,020.95	45.29	23.545			
9,000.00	8,982.07	8,972.53	8,970.16	29.57	31.17	-89.041	-81.96	1,189.79	1,067.06	1,021.33	45.74	23.330			
9,100.00	9,081.83	9,069.60	9,067.22	29.93	31.50	-89.451	-80.71	1,190.59	1,068.22	1,022.03	46.19	23.125			
9,200.00	9,181.59	9,171.28	9,168.89	30.30	31.84	-89.873	-79.47	1,191.50	1,069.48	1,022.81	46.67	22.916			
9,300.00	9,281.34	9,274.84	9,272.44	30.66	32.20	-90.305	-78.29	1,192.12	1,070.48	1,023.33	47.16	22.701			
9,400.00	9,381.10	9,373.71	9,371.31	31.02	32.53	-90.722	-77.12	1,192.56	1,071.42	1,023.79	47.63	22.496			
9,500.00	9,480.86	9,472.96	9,470.55	31.39	32.87	-91.138	-75.96	1,193.09	1,072.49	1,024.39	48.10	22.296			
9,600.00	9,580.61	9,575.97	9,573.55	31.75	33.22	-91.563	-74.88	1,193.59	1,073.53	1,024.94	48.60	22.091			
9,700.00	9,680.37	9,685.23	9,682.81	32.11	33.60	-92.008	-74.12	1,193.51	1,073.97	1,024.85	49.12	21.864			
9,800.00	9,780.13	9,788.79	9,786.37	32.48	33.96	-92.409	-74.08	1,192.88	1,073.70	1,024.07	49.63	21.634			
9,900.00	9,879.88	9,890.66	9,888.23	32.84	34.32	-92.783	-74.41	1,192.36	1,073.41	1,023.27	50.14	21.409			
10,000.00	9,979.64	9,994.11	9,991.67	33.20	34.69	-93.151	-75.13	1,191.59	1,072.80	1,022.15	50.66	21.178			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com - 514H - OH / 68224 - Suveys (H&P 474)													Offset Site Error:	0.00 usft	
Survey Program:		176-MWD+HDCM		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,100.00	10,079.39	10,093.85	10,091.41	33.57	35.05	-93.498	-76.05	1,190.75	1,072.05	1,020.89	51.16	20.955			
10,200.00	10,179.15	10,197.74	10,195.29	33.93	35.41	-93.872	-76.84	1,189.68	1,071.23	1,019.55	51.68	20.727			
10,300.00	10,278.91	10,301.15	10,298.68	34.29	35.78	-94.299	-76.90	1,187.75	1,070.03	1,017.82	52.21	20.495			
10,400.00	10,378.66	10,401.64	10,399.15	34.66	36.13	-94.743	-76.62	1,185.48	1,068.69	1,015.96	52.73	20.266			
10,500.00	10,478.42	10,497.19	10,494.67	35.02	36.47	-95.170	-76.18	1,183.42	1,067.59	1,014.35	53.24	20.053			
10,600.00	10,578.18	10,606.06	10,603.51	35.39	36.86	-95.659	-75.85	1,180.75	1,066.22	1,012.42	53.80	19.818			
10,700.00	10,677.93	10,706.81	10,704.23	35.75	37.22	-96.060	-76.58	1,178.41	1,064.53	1,010.20	54.33	19.592			
10,800.00	10,777.69	10,811.45	10,808.83	36.12	37.59	-96.428	-78.30	1,176.17	1,062.62	1,007.74	54.88	19.362			
10,900.00	10,877.45	10,909.83	10,907.16	36.48	37.94	-96.765	-80.29	1,173.79	1,060.33	1,004.92	55.41	19.137			
11,000.00	10,977.20	10,999.58	10,996.88	36.85	38.26	-97.056	-82.01	1,172.43	1,058.90	1,003.00	55.90	18.943			
11,100.00	11,076.96	11,094.60	11,091.89	37.21	38.60	-97.370	-83.43	1,171.51	1,058.18	1,001.77	56.41	18.757			
11,200.00	11,176.72	11,194.26	11,191.53	37.57	38.95	-97.708	-84.68	1,170.67	1,057.74	1,000.79	56.95	18.572			
11,300.00	11,276.47	11,297.14	11,294.40	37.94	39.31	-98.035	-86.40	1,169.85	1,057.16	999.66	57.50	18.384			
11,400.00	11,376.23	11,398.15	11,395.39	38.30	39.67	-98.356	-88.23	1,168.82	1,056.34	998.29	58.05	18.197			
11,500.00	11,475.99	11,495.83	11,493.04	38.67	40.02	-98.635	-90.48	1,168.19	1,055.63	997.05	58.58	18.020			
11,510.34	11,486.30	11,505.85	11,503.05	38.71	40.05	-98.660	-90.76	1,168.17	1,055.58	996.95	58.63	18.004			
11,600.00	11,575.83	11,596.46	11,593.62	39.02	40.37	-98.788	-93.41	1,168.11	1,054.89	995.81	59.08	17.855			
11,700.00	11,675.80	11,702.29	11,699.41	39.33	40.75	-98.731	-96.73	1,167.74	1,053.29	993.74	59.55	17.687			
11,710.24	11,686.04	11,713.25	11,710.36	39.34	40.79	58.682	-97.12	1,167.69	1,053.06	993.47	59.59	17.672			
11,800.00	11,775.80	11,807.49	11,804.53	39.34	41.12	58.833	-100.73	1,167.09	1,050.79	990.89	59.90	17.542			
11,900.00	11,875.80	11,904.51	11,901.47	39.35	41.47	59.001	-104.67	1,166.50	1,048.17	987.94	60.22	17.405			
12,000.00	11,975.80	11,997.62	11,994.50	39.35	41.80	59.161	-108.19	1,166.30	1,046.04	985.51	60.53	17.281			
12,100.00	12,075.80	12,098.93	12,095.76	39.36	42.15	59.322	-111.65	1,166.21	1,044.22	983.34	60.88	17.153			
12,200.00	12,175.80	12,197.65	12,194.42	39.36	42.50	59.462	-114.85	1,165.85	1,042.26	981.04	61.21	17.027			
12,210.24	12,186.04	12,206.88	12,203.65	39.36	42.54	59.474	-115.11	1,165.82	1,042.08	980.84	61.24	17.016			
12,227.73	12,203.53	12,222.65	12,219.42	39.39	42.59	-119.980	-115.54	1,165.78	1,041.93	980.62	61.31	16.995			
12,250.00	12,225.77	12,242.73	12,239.49	39.43	42.66	-119.984	-116.04	1,165.74	1,042.17	980.77	61.40	16.974			
12,300.00	12,275.43	12,287.61	12,284.36	39.69	42.82	-119.982	-116.98	1,165.74	1,044.46	982.74	61.72	16.923			
12,350.00	12,324.42	12,332.48	12,329.22	39.98	42.98	-119.962	-117.68	1,165.82	1,049.19	987.06	62.12	16.889			
12,400.00	12,372.35	12,384.75	12,381.49	40.29	43.16	-120.020	-118.44	1,165.89	1,056.17	993.53	62.63	16.862			
12,450.00	12,418.86	12,660.00	12,647.61	40.60	44.14	-121.704	-176.18	1,167.13	1,061.73	998.21	63.52	16.716			
12,455.96	12,424.30	12,669.58	12,656.16	40.64	44.17	-121.679	-180.50	1,167.38	1,061.69	998.13	63.56	16.703			
12,500.00	12,463.61	12,707.00	12,689.19	40.91	44.30	-121.510	-197.99	1,169.19	1,062.84	998.91	63.93	16.625			
12,550.00	12,506.24	13,281.69	13,001.89	41.22	46.25	-110.453	-645.74	1,205.42	1,063.67	997.66	66.00	16.115			
12,600.00	12,546.43	13,313.76	13,003.18	41.50	46.36	-110.622	-677.67	1,208.01	1,047.97	981.43	66.54	15.750			
12,650.00	12,583.88	13,348.87	13,004.47	41.78	46.47	-110.489	-712.65	1,210.88	1,034.87	967.78	67.09	15.425			
12,700.00	12,618.30	13,389.07	13,005.67	42.03	46.62	-110.026	-752.68	1,214.23	1,024.25	956.55	67.70	15.130			
12,750.00	12,649.43	13,433.82	13,005.96	42.27	46.78	-109.285	-797.26	1,218.15	1,015.82	947.45	68.37	14.857			
12,800.00	12,677.04	13,479.57	13,004.96	42.47	46.96	-108.420	-842.80	1,222.39	1,009.45	940.40	69.05	14.619			
12,850.00	12,700.91	13,519.55	13,003.18	42.66	47.12	-107.655	-882.55	1,226.30	1,005.06	935.43	69.63	14.435			
12,900.00	12,720.86	13,556.27	13,001.51	42.81	47.27	-106.927	-919.03	1,230.16	1,002.87	932.73	70.14	14.298			
12,928.31	12,730.36	13,577.73	13,000.57	42.88	47.37	-106.482	-940.33	1,232.55	1,002.55	932.11	70.44	14.233			
12,950.00	12,736.74	13,594.99	12,999.84	42.94	47.44	-106.121	-957.46	1,234.54	1,002.73	932.05	70.68	14.188			
13,000.00	12,748.43	13,682.22	12,996.16	43.04	47.84	-104.636	-1,044.20	1,242.93	1,003.31	931.24	72.07	13.922			
13,050.00	12,755.84	13,781.54	12,992.70	43.11	48.33	-103.613	-1,143.33	1,247.75	1,002.98	929.25	73.73	13.603			
13,100.00	12,758.91	13,844.96	12,990.87	43.15	48.66	-103.372	-1,206.72	1,248.67	1,002.17	927.46	74.70	13.415			
13,110.24	12,759.00	13,858.19	12,990.45	43.16	48.73	-103.356	-1,219.94	1,248.76	1,002.04	927.14	74.90	13.378			
13,200.00	12,759.00	13,969.08	12,987.95	43.21	49.34	-103.243	-1,330.79	1,247.81	999.98	923.41	76.57	13.060			
13,300.00	12,759.00	14,052.30	12,987.94	43.28	49.83	-103.270	-1,414.00	1,246.53	997.54	919.85	77.69	12.840			
13,400.00	12,759.00	14,149.68	12,988.70	43.36	50.43	-103.333	-1,511.38	1,245.86	996.11	916.96	79.15	12.584			
13,500.00	12,759.00	14,238.11	12,989.18	43.45	51.00	-103.372	-1,599.80	1,245.84	995.28	914.75	80.53	12.359			
13,515.96	12,759.00	14,252.00	12,989.31	43.47	51.09	-103.380	-1,613.70	1,245.93	995.26	914.51	80.76	12.324			

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com - 514H - OH / 68224 - Suveys (H&P 474)												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 176-MWD+HDCM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,600.00	12,759.00	14,319.88	12,990.19	43.56	51.55	-103.425	-1,681.56	1,246.93	995.94	914.07	81.87	12.165	
13,700.00	12,759.00	14,395.92	12,991.67	43.70	52.09	-103.483	-1,757.54	1,249.43	998.68	915.50	83.18	12.006	
13,800.00	12,759.00	14,549.66	12,992.21	43.86	53.22	-103.455	-1,911.12	1,255.34	1,002.40	916.49	85.91	11.668	
13,900.00	12,759.00	14,657.10	12,988.01	44.05	54.05	-103.232	-2,018.47	1,255.53	1,000.73	912.81	87.92	11.382	
14,000.00	12,759.00	14,745.56	12,985.02	44.28	54.76	-103.075	-2,106.88	1,255.63	999.15	909.50	89.65	11.145	
14,053.73	12,759.00	14,790.04	12,984.05	44.43	55.12	-103.020	-2,151.34	1,256.07	998.90	908.35	90.55	11.032	
14,100.00	12,759.00	14,831.19	12,983.45	44.57	55.46	-102.983	-2,192.48	1,256.76	999.07	907.70	91.37	10.934	
14,200.00	12,759.00	14,933.53	12,981.37	44.91	56.32	-102.856	-2,294.79	1,258.60	999.42	906.00	93.42	10.698	
14,300.00	12,759.00	15,032.36	12,980.10	45.32	57.18	-102.777	-2,393.59	1,260.19	999.77	904.32	95.45	10.474	
14,400.00	12,759.00	15,131.73	12,979.98	45.81	58.07	-102.764	-2,492.95	1,261.61	1,000.20	902.69	97.51	10.257	
14,500.00	12,759.00	15,227.39	12,980.68	46.40	58.93	-102.798	-2,588.60	1,262.92	1,000.76	901.24	99.52	10.056	
14,600.00	12,759.00	15,319.39	12,981.04	47.09	59.79	-102.803	-2,680.58	1,265.04	1,002.15	900.63	101.52	9.871	
14,700.00	12,759.00	15,416.37	12,980.03	47.88	60.71	-102.721	-2,777.51	1,268.00	1,003.95	900.29	103.66	9.685	
14,800.00	12,759.00	15,508.88	12,980.17	48.76	61.60	-102.702	-2,869.97	1,271.03	1,006.26	900.51	105.74	9.516	
14,900.00	12,759.00	15,601.61	12,980.78	49.72	62.52	-102.699	-2,962.61	1,274.87	1,009.49	901.63	107.85	9.360	
15,000.00	12,759.00	15,705.10	12,980.84	50.75	63.55	-102.658	-3,066.00	1,279.37	1,012.81	902.64	110.17	9.193	
15,100.00	12,759.00	15,807.23	12,979.87	51.84	64.60	-102.565	-3,168.05	1,283.60	1,015.71	903.20	112.51	9.028	
15,200.00	12,759.00	15,903.51	12,978.29	52.98	65.60	-102.437	-3,264.22	1,287.87	1,018.74	903.95	114.79	8.875	
15,300.00	12,759.00	16,000.20	12,976.56	54.15	66.61	-102.297	-3,360.77	1,292.60	1,022.20	905.09	117.11	8.728	
15,400.00	12,759.00	16,119.41	12,973.66	55.36	67.89	-102.087	-3,479.82	1,298.05	1,025.28	905.45	119.83	8.556	
15,500.00	12,759.00	16,246.03	12,972.40	56.60	69.25	-102.010	-3,606.42	1,299.90	1,025.53	902.93	122.60	8.365	
15,600.00	12,759.00	16,355.42	12,971.61	57.85	70.44	-101.983	-3,715.81	1,299.63	1,024.20	899.10	125.10	8.187	
15,700.00	12,759.00	16,454.86	12,973.11	59.13	71.54	-102.094	-3,815.21	1,298.12	1,022.09	894.65	127.44	8.020	
15,800.00	12,759.00	16,553.15	12,977.74	60.42	72.64	-102.373	-3,913.39	1,296.95	1,020.98	891.26	129.72	7.871	
15,900.00	12,759.00	16,671.35	12,979.92	61.72	73.96	-102.540	-4,031.53	1,294.16	1,018.05	885.78	132.28	7.696	
16,000.00	12,759.00	16,771.18	12,980.78	63.04	75.09	-102.633	-4,131.32	1,291.45	1,014.66	880.00	134.66	7.535	
16,100.00	12,759.00	16,874.96	12,980.26	64.36	76.28	-102.648	-4,235.06	1,288.88	1,011.20	874.07	137.13	7.374	
16,200.00	12,759.00	17,005.72	12,976.48	65.69	77.78	-102.512	-4,365.68	1,284.17	1,006.16	866.25	139.92	7.191	
16,300.00	12,759.00	17,104.76	12,973.38	67.03	78.93	-102.422	-4,464.50	1,278.36	998.83	856.43	142.40	7.014	
16,400.00	12,759.00	17,178.00	12,972.75	68.37	79.78	-102.426	-4,537.68	1,275.87	994.13	849.50	144.63	6.874	
16,486.66	12,759.00	17,224.52	12,972.89	69.54	80.33	-102.441	-4,584.19	1,275.77	992.81	846.50	146.31	6.786	
16,500.00	12,759.00	17,233.61	12,972.88	69.73	80.44	-102.441	-4,593.29	1,275.88	992.84	846.25	146.59	6.773	
16,600.00	12,759.00	17,303.79	12,972.64	71.08	81.28	-102.409	-4,663.43	1,278.05	994.83	846.17	148.66	6.692	
16,700.00	12,759.00	17,387.98	12,973.34	72.44	82.29	-102.398	-4,747.48	1,282.84	999.53	848.62	150.91	6.623	
16,800.00	12,759.00	17,541.06	12,974.05	73.81	84.13	-102.396	-4,900.46	1,287.71	1,001.76	847.48	154.28	6.493	
16,900.00	12,759.00	17,641.09	12,974.59	75.18	85.35	-102.435	-5,000.49	1,288.00	1,001.21	844.41	156.80	6.385	
17,000.00	12,759.00	17,744.00	12,974.28	76.55	86.60	-102.429	-5,103.40	1,288.03	1,000.23	840.84	159.39	6.275	
17,046.43	12,759.00	17,784.48	12,973.79	77.19	87.09	-102.405	-5,143.88	1,288.15	999.84	839.33	160.51	6.229	
17,100.00	12,759.00	17,821.42	12,973.33	77.92	87.55	-102.374	-5,180.80	1,288.92	1,000.29	838.62	161.66	6.187	
17,200.00	12,759.00	17,892.33	12,973.14	79.30	88.43	-102.335	-5,251.64	1,291.93	1,003.42	839.65	163.77	6.127	
17,300.00	12,759.00	17,998.44	12,976.48	80.68	89.75	-102.462	-5,357.53	1,297.84	1,008.66	842.25	166.41	6.061	
17,400.00	12,759.00	18,119.68	12,981.19	82.07	91.27	-102.694	-5,478.63	1,301.25	1,011.26	842.03	169.23	5.976	
17,500.00	12,759.00	18,211.91	12,984.19	83.45	92.43	-102.842	-5,570.78	1,303.55	1,013.47	841.85	171.62	5.905	
17,600.00	12,759.00	18,307.12	12,986.75	84.84	93.63	-102.956	-5,665.90	1,306.67	1,016.33	842.25	174.09	5.838	
17,700.00	12,759.00	18,441.76	12,988.77	86.23	95.33	-103.055	-5,800.50	1,308.90	1,017.22	840.09	177.13	5.743	
17,800.00	12,759.00	18,546.15	12,989.07	87.62	96.64	-103.079	-5,904.89	1,309.31	1,016.73	836.96	179.77	5.656	
17,900.00	12,759.00	18,650.51	12,988.71	89.01	97.97	-103.072	-6,009.25	1,309.31	1,015.72	833.29	182.42	5.568	
18,000.00	12,759.00	18,774.81	12,988.29	90.41	99.54	-103.081	-6,133.54	1,308.00	1,013.75	828.51	185.25	5.472	
18,100.00	12,759.00	18,850.45	12,988.25	91.80	100.51	-103.105	-6,209.16	1,306.68	1,011.17	823.55	187.63	5.389	
18,200.00	12,759.00	18,962.98	12,988.17	93.20	101.95	-103.116	-6,321.69	1,306.52	1,010.17	819.81	190.36	5.307	
18,300.00	12,759.00	19,082.73	12,984.65	94.60	103.48	-102.967	-6,441.36	1,304.13	1,006.59	813.37	193.22	5.209	
18,400.00	12,759.00	19,181.92	12,980.52	96.00	104.75	-102.782	-6,540.43	1,301.53	1,002.17	806.21	195.96	5.114	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com - 514H - OH / 68224 - Suveys (H&P 474)												Offset Site Error:	0.00 usft				
Survey Program: 176-MWD+HDGM				Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance	Warning	Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
18,500.00	12,759.00	19,272.10	12,978.77	97.40	105.91	-102.725	-6,630.56	1,299.21	998.30	799.74	198.57	5.028					
18,600.00	12,759.00	19,356.72	12,978.26	98.81	107.01	-102.722	-6,715.16	1,297.95	995.77	794.69	201.08	4.952					
18,700.00	12,759.00	19,447.19	12,977.81	100.21	108.18	-102.711	-6,805.64	1,297.72	994.48	790.84	203.64	4.884					
18,800.00	12,759.00	19,544.89	12,978.93	101.62	109.46	-102.786	-6,903.33	1,297.68	993.75	787.53	206.22	4.819					
18,862.85	12,759.00	19,601.88	12,980.49	102.50	110.20	-102.881	-6,960.29	1,297.69	993.56	785.80	207.76	4.782					
18,900.00	12,759.00	19,635.79	12,981.50	103.02	110.64	-102.940	-6,994.18	1,297.85	993.63	784.95	208.67	4.762					
19,000.00	12,759.00	19,749.97	12,983.04	104.43	112.14	-103.044	-7,108.35	1,297.61	992.72	781.29	211.43	4.695					
19,046.04	12,759.00	19,785.12	12,982.88	105.08	112.60	-103.037	-7,143.49	1,297.78	992.46	779.92	212.54	4.670	CC				
19,100.00	12,759.00	19,824.00	12,982.44	105.84	113.11	-103.008	-7,182.37	1,298.50	992.81	779.02	213.79	4.644					
19,200.00	12,759.00	19,919.00	12,981.59	107.24	114.37	-102.937	-7,277.33	1,301.20	994.45	778.01	216.44	4.595					
19,300.00	12,759.00	20,015.98	12,980.92	108.65	115.65	-102.869	-7,374.25	1,304.47	996.65	777.53	219.12	4.548					
19,400.00	12,759.00	20,121.72	12,979.50	110.06	117.05	-102.758	-7,479.92	1,307.98	998.64	776.67	221.97	4.499					
19,500.00	12,759.00	20,223.86	12,977.07	111.47	118.41	-102.592	-7,581.97	1,311.33	1,000.38	775.57	224.81	4.450					
19,600.00	12,759.00	20,331.35	12,975.52	112.89	119.84	-102.488	-7,689.43	1,313.82	1,001.39	773.70	227.69	4.398					
19,700.00	12,759.00	20,431.29	12,974.31	114.30	121.17	-102.406	-7,789.33	1,315.91	1,002.22	771.79	230.44	4.349					
19,800.00	12,759.00	20,544.83	12,971.91	115.71	122.69	-102.260	-7,902.83	1,317.98	1,002.65	769.25	233.40	4.296					
19,900.00	12,759.00	20,664.34	12,967.54	117.12	124.28	-102.028	-8,022.25	1,318.10	1,001.03	764.58	236.44	4.234					
20,000.00	12,759.00	20,764.68	12,964.67	118.54	125.62	-101.892	-8,122.55	1,317.02	998.44	759.20	239.24	4.173					
20,100.00	12,759.00	20,862.11	12,962.22	119.95	126.92	-101.775	-8,219.95	1,316.09	996.04	754.03	242.01	4.116					
20,178.52	12,759.00	20,918.00	12,961.06	121.06	127.67	-101.722	-8,275.82	1,315.57	994.51	750.56	243.95	4.077					
20,200.00	12,759.00	20,918.00	12,961.06	121.37	127.67	-101.722	-8,275.82	1,315.57	994.75	750.52	244.23	4.073	ES, SF				
20,300.00	12,759.00	20,918.00	12,961.06	122.78	127.67	-101.722	-8,275.82	1,315.57	1,001.91	757.67	244.23	4.102					
20,400.00	12,759.00	20,918.00	12,961.06	124.20	127.67	-101.722	-8,275.82	1,315.57	1,018.88	776.63	242.25	4.206					
20,500.00	12,759.00	20,918.00	12,961.06	125.61	127.67	-101.722	-8,275.82	1,315.57	1,045.19	806.65	238.54	4.382					
20,600.00	12,759.00	20,918.00	12,961.06	127.03	127.67	-101.722	-8,275.82	1,315.57	1,080.15	846.70	233.45	4.627					
20,700.00	12,759.00	20,918.00	12,961.06	128.45	127.67	-101.722	-8,275.82	1,315.57	1,122.96	895.57	227.39	4.939					
20,800.00	12,759.00	20,918.00	12,961.06	129.87	127.67	-101.722	-8,275.82	1,315.57	1,172.74	952.01	220.74	5.313					
20,900.00	12,759.00	20,918.00	12,961.06	131.29	127.67	-101.722	-8,275.82	1,315.57	1,228.67	1,014.85	213.82	5.746					
21,000.00	12,759.00	20,918.00	12,961.06	132.70	127.67	-101.722	-8,275.82	1,315.57	1,289.94	1,083.05	206.88	6.235					
21,100.00	12,759.00	20,918.00	12,961.06	134.12	127.67	-101.722	-8,275.82	1,315.57	1,355.82	1,155.70	200.12	6.775					
21,200.00	12,759.00	20,918.00	12,961.06	135.54	127.67	-101.722	-8,275.82	1,315.57	1,425.67	1,232.03	193.64	7.362					
21,300.00	12,759.00	20,918.00	12,961.06	136.96	127.67	-101.722	-8,275.82	1,315.57	1,498.95	1,311.42	187.53	7.993					
21,400.00	12,759.00	20,918.00	12,961.06	138.38	127.67	-101.722	-8,275.82	1,315.57	1,575.16	1,393.35	181.81	8.664					
21,500.00	12,759.00	20,918.00	12,961.06	139.80	127.67	-101.722	-8,275.82	1,315.57	1,653.92	1,477.41	176.51	9.370					
21,600.00	12,759.00	20,918.00	12,961.06	141.22	127.67	-101.722	-8,275.82	1,315.57	1,734.86	1,563.26	171.61	10.110					
21,700.00	12,759.00	20,918.00	12,961.06	142.65	127.67	-101.722	-8,275.82	1,315.57	1,817.70	1,650.61	167.10	10.878					
21,800.00	12,759.00	20,918.00	12,961.06	144.07	127.67	-101.722	-8,275.82	1,315.57	1,902.20	1,739.24	162.95	11.673					
21,900.00	12,759.00	20,918.00	12,961.06	145.49	127.67	-101.722	-8,275.82	1,315.57	1,988.13	1,828.98	159.15	12.492					
22,000.00	12,759.00	20,918.00	12,961.06	146.91	127.67	-101.722	-8,275.82	1,315.57	2,075.32	1,919.65	155.67	13.332					
22,100.00	12,759.00	20,918.00	12,961.06	148.33	127.67	-101.722	-8,275.82	1,315.57	2,163.62	2,011.15	152.47	14.190					
22,125.24	12,759.00	20,918.00	12,961.06	148.69	127.67	-101.722	-8,275.82	1,315.57	2,186.07	2,034.36	151.71	14.409					

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 412H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
0.00	0.00	0.00	1.00	1.00	1.00	-90.468	-10.54	-1,290.18	1,290.22				
100.00	100.00	99.00	100.00	1.08	1.08	-90.468	-10.54	-1,290.18	1,290.22	1,288.06	2.17	595.483	
200.00	200.00	199.00	200.00	1.60	1.59	-90.468	-10.54	-1,290.18	1,290.22	1,287.03	3.19	404.362	
300.00	300.00	299.00	300.00	2.01	2.01	-90.468	-10.54	-1,290.18	1,290.22	1,286.21	4.01	321.359	
400.00	400.00	399.00	400.00	2.35	2.35	-90.468	-10.54	-1,290.18	1,290.22	1,285.52	4.70	274.417	
500.00	500.00	499.00	500.00	2.65	2.65	-90.468	-10.54	-1,290.18	1,290.22	1,284.92	5.31	243.202	
600.00	600.00	599.00	600.00	2.93	2.92	-90.468	-10.54	-1,290.18	1,290.22	1,284.37	5.85	220.507	
700.00	700.00	699.00	700.00	3.18	3.18	-90.468	-10.54	-1,290.18	1,290.22	1,283.87	6.35	203.038	
800.00	800.00	799.00	800.00	3.41	3.41	-90.468	-10.54	-1,290.18	1,290.22	1,283.40	6.82	189.048	
900.00	900.00	899.00	900.00	3.64	3.63	-90.468	-10.54	-1,290.18	1,290.22	1,282.95	7.27	177.511	
1,000.00	1,000.00	999.00	1,000.00	3.85	3.84	-90.468	-10.54	-1,290.18	1,290.22	1,282.53	7.69	167.782	
1,100.00	1,100.00	1,099.00	1,100.00	4.05	4.05	-90.468	-10.54	-1,290.18	1,290.22	1,282.13	8.09	159.431	
1,200.00	1,200.00	1,199.00	1,200.00	4.24	4.24	-90.468	-10.54	-1,290.18	1,290.22	1,281.74	8.48	152.158	
1,300.00	1,300.00	1,299.00	1,300.00	4.43	4.43	-90.468	-10.54	-1,290.18	1,290.22	1,281.37	8.85	145.748	
1,400.00	1,400.00	1,399.00	1,400.00	4.61	4.61	-90.468	-10.54	-1,290.18	1,290.22	1,281.01	9.21	140.041	
1,500.00	1,500.00	1,499.00	1,500.00	4.78	4.78	-90.468	-10.54	-1,290.18	1,290.22	1,280.66	9.56	134.917 CC, ES	
1,600.00	1,599.98	1,569.40	1,570.40	4.98	4.96	112.144	-10.82	-1,290.97	1,292.02	1,282.15	9.87	130.915	
1,699.91	1,699.74	1,643.27	1,644.21	5.60	5.08	112.166	-11.72	-1,293.53	1,297.41	1,287.22	10.19	127.349	
1,800.00	1,799.59	1,743.00	1,743.84	5.91	5.21	112.384	-13.23	-1,297.79	1,304.35	1,293.87	10.48	124.475	
1,900.00	1,899.35	1,842.63	1,843.37	6.08	5.39	112.600	-14.73	-1,302.05	1,311.29	1,300.51	10.79	121.574	
2,000.00	1,999.11	1,942.27	1,942.91	6.27	5.58	112.813	-16.24	-1,306.31	1,318.26	1,307.15	11.11	118.615	
2,100.00	2,098.86	2,041.91	2,042.44	6.47	5.79	113.025	-17.74	-1,310.56	1,325.25	1,313.79	11.46	115.683	
2,200.00	2,198.62	2,141.54	2,141.97	6.68	6.00	113.234	-19.25	-1,314.82	1,332.25	1,320.44	11.81	112.801	
2,300.00	2,298.38	2,241.18	2,241.51	6.91	6.23	113.441	-20.75	-1,319.08	1,339.27	1,327.10	12.18	109.984	
2,400.00	2,398.13	2,340.82	2,341.04	7.15	6.47	113.646	-22.26	-1,323.34	1,346.31	1,333.76	12.55	107.243	
2,500.00	2,497.89	2,440.45	2,440.58	7.41	6.71	113.848	-23.76	-1,327.60	1,353.37	1,340.43	12.94	104.586	
2,600.00	2,597.65	2,540.09	2,540.11	7.67	6.96	114.049	-25.27	-1,331.86	1,360.44	1,347.11	13.34	102.016	
2,700.00	2,697.40	2,639.73	2,639.65	7.94	7.22	114.247	-26.77	-1,336.12	1,367.53	1,353.79	13.74	99.538	
2,800.00	2,797.16	2,739.37	2,739.18	8.21	7.49	114.444	-28.28	-1,340.37	1,374.64	1,360.49	14.15	97.152	
2,900.00	2,896.92	2,839.00	2,838.71	8.50	7.76	114.638	-29.78	-1,344.63	1,381.76	1,367.19	14.57	94.858	
3,000.00	2,996.67	2,938.64	2,938.25	8.79	8.03	114.831	-31.29	-1,348.89	1,388.89	1,373.90	14.99	92.654	
3,100.00	3,096.43	3,038.28	3,037.78	9.08	8.31	115.021	-32.79	-1,353.15	1,396.04	1,380.63	15.42	90.539	
3,200.00	3,196.19	3,137.91	3,137.32	9.38	8.59	115.210	-34.30	-1,357.41	1,403.21	1,387.36	15.85	88.510	
3,300.00	3,295.94	3,237.55	3,236.85	9.69	8.87	115.396	-35.80	-1,361.67	1,410.39	1,394.10	16.29	86.564	
3,400.00	3,395.70	3,337.19	3,336.39	10.00	9.16	115.581	-37.31	-1,365.92	1,417.59	1,400.85	16.74	84.698	
3,500.00	3,495.46	3,436.82	3,435.92	10.31	9.45	115.764	-38.81	-1,370.18	1,424.80	1,407.62	17.19	82.910	
3,600.00	3,595.21	3,536.46	3,535.45	10.63	9.75	115.945	-40.32	-1,374.44	1,432.03	1,414.39	17.64	81.194	
3,700.00	3,694.97	3,636.10	3,634.99	10.95	10.04	116.124	-41.82	-1,378.70	1,439.27	1,421.18	18.09	79.549	
3,800.00	3,794.73	3,735.73	3,734.52	11.27	10.34	116.301	-43.33	-1,382.96	1,446.52	1,427.97	18.55	77.971	
3,900.00	3,894.48	3,835.37	3,834.06	11.60	10.64	116.477	-44.83	-1,387.22	1,453.79	1,434.78	19.01	76.457	
4,000.00	3,994.24	3,935.01	3,933.59	11.93	10.94	116.651	-46.34	-1,391.47	1,461.07	1,441.59	19.48	75.004	
4,100.00	4,094.00	4,034.64	4,033.13	12.26	11.25	116.823	-47.84	-1,395.73	1,468.37	1,448.42	19.95	73.609	
4,200.00	4,193.75	4,134.28	4,132.66	12.59	11.55	116.993	-49.35	-1,399.99	1,475.67	1,455.26	20.42	72.269	
4,300.00	4,293.51	4,233.92	4,232.20	12.93	11.86	117.162	-50.85	-1,404.25	1,482.99	1,462.10	20.89	70.981	
4,400.00	4,393.27	4,333.55	4,331.73	13.26	12.17	117.329	-52.36	-1,408.51	1,490.33	1,468.96	21.37	69.743	
4,500.00	4,493.02	4,433.19	4,431.26	13.60	12.48	117.495	-53.86	-1,412.77	1,497.67	1,475.83	21.85	68.552	
4,600.00	4,592.78	4,532.83	4,530.80	13.94	12.79	117.659	-55.37	-1,417.02	1,505.03	1,482.70	22.33	67.407	
4,700.00	4,692.54	4,632.46	4,630.33	14.28	13.10	117.821	-56.87	-1,421.28	1,512.40	1,489.59	22.81	66.304	
4,800.00	4,792.29	4,732.10	4,729.87	14.62	13.41	117.982	-58.38	-1,425.54	1,519.78	1,496.49	23.29	65.242	
4,900.00	4,892.05	4,831.74	4,829.40	14.97	13.72	118.141	-59.88	-1,429.80	1,527.18	1,503.40	23.78	64.218	
5,000.00	4,991.81	4,931.37	4,928.94	15.31	14.04	118.299	-61.39	-1,434.06	1,534.58	1,510.31	24.27	63.231	
5,100.00	5,091.56	5,031.01	5,028.47	15.66	14.35	118.455	-62.89	-1,438.32	1,542.00	1,517.24	24.76	62.280	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 412H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,191.32	5,130.65	5,128.00	16.00	14.67	118.609	-64.40	-1,442.57	1,549.43	1,524.18	25.25	61.362	
5,300.00	5,291.08	5,230.28	5,227.54	16.35	14.98	118.762	-65.90	-1,446.83	1,556.87	1,531.12	25.74	60.475	
5,400.00	5,390.83	5,329.92	5,327.07	16.70	15.30	118.914	-67.41	-1,451.09	1,564.32	1,538.08	26.24	59.619	
5,500.00	5,490.59	5,429.56	5,426.61	17.05	15.62	119.064	-68.91	-1,455.35	1,571.78	1,545.04	26.73	58.792	
5,600.00	5,590.35	5,529.19	5,526.14	17.40	15.93	119.213	-70.42	-1,459.61	1,579.25	1,552.02	27.23	57.993	
5,700.00	5,690.10	5,628.83	5,625.68	17.75	16.25	119.361	-71.92	-1,463.87	1,586.73	1,559.00	27.73	57.220	
5,800.00	5,789.86	5,728.47	5,725.21	18.10	16.57	119.507	-73.43	-1,468.12	1,594.23	1,566.00	28.23	56.472	
5,900.00	5,889.62	5,828.10	5,824.75	18.46	16.89	119.651	-74.93	-1,472.38	1,601.73	1,573.00	28.73	55.748	
6,000.00	5,989.37	5,927.74	5,924.28	18.81	17.21	119.795	-76.44	-1,476.64	1,609.24	1,580.01	29.23	55.047	
6,100.00	6,089.13	6,027.38	6,023.81	19.16	17.53	119.937	-77.94	-1,480.90	1,616.76	1,587.03	29.74	54.368	
6,200.00	6,188.89	6,127.02	6,123.35	19.52	17.85	120.078	-79.45	-1,485.16	1,624.30	1,594.06	30.24	53.710	
6,300.00	6,288.64	6,226.65	6,222.88	19.87	18.17	120.217	-80.95	-1,489.42	1,631.84	1,601.09	30.75	53.072	
6,400.00	6,388.40	6,326.29	6,322.42	20.22	18.49	120.355	-82.46	-1,493.67	1,639.39	1,608.14	31.25	52.454	
6,500.00	6,488.16	6,425.93	6,421.95	20.58	18.82	120.492	-83.96	-1,497.93	1,646.95	1,615.19	31.76	51.853	
6,600.00	6,587.91	6,525.56	6,521.49	20.94	19.14	120.628	-85.47	-1,502.19	1,654.52	1,622.25	32.27	51.271	
6,700.00	6,687.67	6,625.20	6,621.02	21.29	19.46	120.762	-86.97	-1,506.45	1,662.10	1,629.32	32.78	50.705	
6,800.00	6,787.43	6,724.84	6,720.55	21.65	19.78	120.895	-88.48	-1,510.71	1,669.69	1,636.40	33.29	50.156	
6,900.00	6,887.18	6,824.47	6,820.09	22.01	20.11	121.027	-89.98	-1,514.97	1,677.29	1,643.49	33.80	49.622	
7,000.00	6,986.94	6,924.11	6,919.62	22.36	20.43	121.158	-91.49	-1,519.22	1,684.90	1,650.58	34.31	49.104	
7,100.00	7,086.70	7,023.75	7,019.16	22.72	20.75	121.287	-92.99	-1,523.48	1,692.51	1,657.69	34.83	48.599	
7,200.00	7,186.45	7,123.38	7,118.69	23.08	21.08	121.416	-94.50	-1,527.74	1,700.14	1,664.80	35.34	48.109	
7,300.00	7,286.21	7,223.02	7,218.23	23.44	21.40	121.543	-96.00	-1,532.00	1,707.77	1,671.91	35.85	47.632	
7,400.00	7,385.97	7,322.66	7,317.76	23.80	21.72	121.669	-97.51	-1,536.26	1,715.41	1,679.04	36.37	47.168	
7,500.00	7,485.72	7,422.29	7,417.29	24.16	22.05	121.794	-99.01	-1,540.52	1,723.06	1,686.17	36.88	46.716	
7,600.00	7,585.48	7,521.93	7,516.83	24.52	22.37	121.918	-100.52	-1,544.77	1,730.71	1,693.31	37.40	46.275	
7,700.00	7,685.24	7,621.57	7,616.36	24.88	22.70	122.041	-102.02	-1,549.03	1,738.38	1,700.46	37.92	45.847	
7,800.00	7,784.99	7,721.20	7,715.90	25.24	23.02	122.163	-103.53	-1,553.29	1,746.05	1,707.62	38.43	45.429	
7,900.00	7,884.75	7,820.84	7,815.43	25.60	23.35	122.284	-105.03	-1,557.55	1,753.73	1,714.78	38.95	45.022	
8,000.00	7,984.51	7,920.48	7,914.97	25.96	23.67	122.403	-106.54	-1,561.81	1,761.42	1,721.95	39.47	44.625	
8,100.00	8,084.26	8,020.11	8,014.50	26.32	24.00	122.522	-108.04	-1,566.07	1,769.12	1,729.12	39.99	44.238	
8,200.00	8,184.02	8,119.75	8,114.04	26.68	24.33	122.639	-109.55	-1,570.32	1,776.82	1,736.31	40.51	43.860	
8,300.00	8,283.78	8,219.39	8,213.57	27.04	24.65	122.756	-111.05	-1,574.58	1,784.53	1,743.50	41.03	43.492	
8,400.00	8,383.53	8,319.02	8,313.10	27.40	24.98	122.871	-112.56	-1,578.84	1,792.25	1,750.69	41.55	43.132	
8,500.00	8,483.29	8,418.66	8,412.64	27.76	25.30	122.986	-114.06	-1,583.10	1,799.97	1,757.90	42.07	42.781	
8,600.00	8,583.05	8,518.30	8,512.17	28.12	25.63	123.100	-115.57	-1,587.36	1,807.70	1,765.11	42.60	42.438	
8,700.00	8,682.80	8,617.93	8,611.71	28.48	25.96	123.212	-117.07	-1,591.62	1,815.44	1,772.32	43.12	42.104	
8,800.00	8,782.56	8,717.57	8,711.24	28.85	26.28	123.324	-118.58	-1,595.87	1,823.19	1,779.55	43.64	41.777	
8,900.00	8,882.32	8,817.21	8,810.78	29.21	26.61	123.435	-120.08	-1,600.13	1,830.94	1,786.78	44.16	41.457	
9,000.00	8,982.07	8,916.84	8,910.31	29.57	26.94	123.544	-121.59	-1,604.39	1,838.70	1,794.01	44.69	41.145	
9,100.00	9,081.83	9,016.48	9,009.84	29.93	27.26	123.653	-123.09	-1,608.65	1,846.47	1,801.25	45.21	40.840	
9,200.00	9,181.59	9,116.12	9,109.38	30.30	27.59	123.761	-124.60	-1,612.91	1,854.24	1,808.50	45.74	40.541	
9,300.00	9,281.34	9,215.75	9,208.91	30.66	27.92	123.868	-126.10	-1,617.17	1,862.02	1,815.76	46.26	40.249	
9,400.00	9,381.10	9,315.39	9,308.45	31.02	28.24	123.975	-127.61	-1,621.42	1,869.81	1,823.02	46.79	39.963	
9,500.00	9,480.86	9,415.03	9,407.98	31.39	28.57	124.080	-129.11	-1,625.68	1,877.60	1,830.28	47.31	39.684	
9,600.00	9,580.61	9,514.67	9,507.52	31.75	28.90	124.184	-130.62	-1,629.94	1,885.40	1,837.56	47.84	39.410	
9,700.00	9,680.37	9,614.30	9,607.05	32.11	29.23	124.288	-132.12	-1,634.20	1,893.20	1,844.83	48.37	39.143	
9,800.00	9,780.13	9,713.94	9,706.58	32.48	29.55	124.390	-133.63	-1,638.46	1,901.01	1,852.12	48.89	38.881	
9,900.00	9,879.88	9,813.58	9,806.12	32.84	29.88	124.492	-135.13	-1,642.72	1,908.83	1,859.41	49.42	38.624	
10,000.00	9,979.64	9,913.21	9,905.65	33.20	30.21	124.593	-136.64	-1,646.97	1,916.65	1,866.70	49.95	38.373	
10,100.00	10,079.39	10,012.85	10,005.19	33.57	30.54	124.694	-138.14	-1,651.23	1,924.48	1,874.00	50.48	38.126	
10,200.00	10,179.15	10,112.49	10,104.72	33.93	30.87	124.793	-139.65	-1,655.49	1,932.31	1,881.31	51.00	37.885	
10,300.00	10,278.91	10,212.12	10,204.26	34.29	31.19	124.892	-141.15	-1,659.75	1,940.15	1,888.62	51.53	37.649	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 412H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,400.00	10,378.66	10,311.76	10,303.79	34.66	31.52	124.989	-142.66	-1,664.01	1,948.00	1,895.94	52.06	37.417	
10,500.00	10,478.42	10,411.40	10,403.33	35.02	31.85	125.086	-144.16	-1,668.27	1,955.85	1,903.26	52.59	37.190	
10,600.00	10,578.18	10,511.03	10,502.86	35.39	32.18	125.183	-145.67	-1,672.52	1,963.71	1,910.59	53.12	36.967	
10,700.00	10,677.93	10,610.67	10,602.39	35.75	32.51	125.278	-147.17	-1,676.78	1,971.57	1,917.92	53.65	36.748	
10,800.00	10,777.69	10,710.31	10,701.93	36.12	32.84	125.373	-148.68	-1,681.04	1,979.44	1,925.26	54.18	36.534	
10,900.00	10,877.45	10,809.94	10,801.46	36.48	33.16	125.467	-150.18	-1,685.30	1,987.31	1,932.60	54.71	36.324	
11,000.00	10,977.20	10,909.58	10,901.00	36.85	33.49	125.560	-151.69	-1,689.56	1,995.19	1,939.95	55.24	36.118	
11,100.00	11,076.96	11,009.22	11,000.53	37.21	33.82	125.653	-153.19	-1,693.82	2,003.07	1,947.30	55.77	35.915	
11,200.00	11,176.72	11,108.85	11,100.07	37.57	34.15	125.744	-154.70	-1,698.07	2,010.96	1,954.66	56.30	35.717	
11,300.00	11,276.47	11,208.49	11,199.60	37.94	34.48	125.836	-156.20	-1,702.33	2,018.86	1,962.02	56.83	35.522	
11,400.00	11,376.23	11,308.13	11,299.13	38.30	34.81	125.926	-157.71	-1,706.59	2,026.75	1,969.39	57.37	35.330	
11,500.00	11,475.99	11,407.76	11,398.67	38.67	35.14	126.016	-159.21	-1,710.85	2,034.66	1,976.76	57.90	35.143	
11,510.34	11,486.30	11,418.06	11,408.96	38.71	35.17	126.025	-159.37	-1,711.29	2,035.48	1,977.53	57.95	35.126	
11,600.00	11,575.83	11,562.87	11,553.69	39.02	35.51	126.224	-160.70	-1,715.05	2,040.33	1,981.86	58.48	34.892	
11,700.00	11,675.80	11,684.98	11,675.80	39.33	35.54	126.308	-160.75	-1,715.19	2,041.58	1,982.87	58.71	34.772	
11,710.24	11,686.04	11,695.22	11,686.04	39.34	35.54	-76.298	-160.75	-1,715.19	2,041.59	1,982.87	58.72	34.768	
11,800.00	11,775.80	11,784.98	11,775.80	39.34	35.56	-76.298	-160.75	-1,715.19	2,041.59	1,982.86	58.74	34.759	
11,900.00	11,875.80	11,884.98	11,875.80	39.35	35.58	-76.298	-160.75	-1,715.19	2,041.59	1,982.83	58.76	34.744	
12,000.00	11,975.80	11,984.98	11,975.80	39.35	35.59	-76.298	-160.75	-1,715.19	2,041.59	1,982.81	58.79	34.729	
12,100.00	12,075.80	12,129.56	12,120.25	39.36	35.66	-76.385	-163.94	-1,715.16	2,041.29	1,982.51	58.79	34.725	
12,200.00	12,175.80	12,652.80	12,550.18	39.36	36.75	-83.792	-428.86	-1,712.51	2,027.37	1,969.57	57.80	35.078	
12,210.24	12,186.04	12,675.17	12,561.71	39.36	36.81	-84.340	-448.03	-1,712.32	2,025.47	1,967.72	57.75	35.074	
12,250.00	12,225.77	12,744.25	12,592.47	39.43	36.97	95.197	-509.84	-1,711.70	2,018.27	1,960.64	57.63	35.019	
12,300.00	12,275.43	12,808.58	12,614.22	39.69	37.13	94.384	-570.34	-1,711.10	2,009.89	1,952.27	57.62	34.882	
12,350.00	12,324.42	12,859.51	12,626.56	39.98	37.26	93.810	-619.74	-1,710.61	2,002.43	1,944.74	57.70	34.706	
12,400.00	12,372.35	12,902.89	12,633.57	40.29	37.37	93.332	-662.54	-1,710.18	1,995.99	1,938.14	57.85	34.503	
12,450.00	12,418.86	12,941.62	12,637.07	40.60	37.46	92.875	-701.09	-1,709.79	1,990.58	1,932.51	58.08	34.276	
12,500.00	12,463.61	12,977.28	12,637.99	40.91	37.56	92.403	-736.73	-1,709.44	1,986.21	1,927.85	58.36	34.033	
12,550.00	12,506.24	13,002.45	12,638.00	41.22	37.62	92.114	-761.90	-1,709.19	1,982.91	1,924.20	58.72	33.771	
12,600.00	12,546.43	13,032.16	12,638.00	41.50	37.71	91.652	-791.61	-1,708.89	1,980.64	1,921.51	59.12	33.500	
12,650.00	12,583.88	13,065.27	12,638.00	41.78	37.81	91.073	-824.72	-1,708.56	1,979.25	1,919.68	59.57	33.224	
12,700.00	12,618.30	13,101.51	12,638.00	42.03	37.93	90.417	-860.96	-1,708.20	1,978.59	1,918.53	60.06	32.942	
12,732.48	12,638.91	13,126.60	12,638.00	42.18	38.01	89.967	-886.05	-1,707.95	1,978.49	1,918.07	60.42	32.745	
12,750.00	12,649.43	13,140.61	12,638.00	42.27	38.06	89.720	-900.06	-1,707.81	1,978.51	1,917.90	60.61	32.641	
12,800.00	12,677.04	13,182.28	12,638.00	42.47	38.21	89.021	-941.73	-1,707.39	1,978.85	1,917.65	61.20	32.333	
12,850.00	12,700.91	13,226.20	12,638.00	42.66	38.38	88.354	-985.64	-1,706.95	1,979.45	1,917.61	61.84	32.011	
12,900.00	12,720.86	13,272.03	12,638.00	42.81	38.57	87.754	-1,031.47	-1,706.50	1,980.17	1,917.66	62.51	31.677	
12,950.00	12,736.74	13,319.42	12,638.00	42.94	38.78	87.248	-1,078.86	-1,706.02	1,980.88	1,917.66	63.22	31.334	
13,000.00	12,748.43	13,368.02	12,638.00	43.04	39.00	86.860	-1,127.46	-1,705.54	1,981.48	1,917.52	63.96	30.979	
13,050.00	12,755.84	13,417.45	12,638.00	43.11	39.24	86.608	-1,176.89	-1,705.04	1,981.89	1,917.16	64.73	30.619	
13,100.00	12,758.91	13,467.34	12,638.00	43.15	39.49	86.503	-1,226.77	-1,704.55	1,982.06	1,916.54	65.52	30.252	
13,110.24	12,759.00	13,477.58	12,638.00	43.16	39.55	86.500	-1,237.02	-1,704.44	1,982.06	1,916.38	65.68	30.178	
13,200.00	12,759.00	13,567.34	12,638.00	43.21	40.04	86.500	-1,326.77	-1,703.55	1,982.03	1,914.87	67.15	29.516	
13,300.00	12,759.00	13,667.34	12,638.00	43.28	40.64	86.500	-1,426.76	-1,702.55	1,981.99	1,913.12	68.87	28.779	
13,400.00	12,759.00	13,767.34	12,638.00	43.36	41.28	86.500	-1,526.76	-1,701.55	1,981.95	1,911.29	70.66	28.048	
13,500.00	12,759.00	13,867.34	12,638.00	43.45	41.97	86.500	-1,626.75	-1,700.55	1,981.92	1,909.39	72.52	27.328	
13,600.00	12,759.00	13,967.34	12,638.00	43.56	42.70	86.500	-1,726.75	-1,699.56	1,981.88	1,907.44	74.45	26.621	
13,700.00	12,759.00	14,067.34	12,638.00	43.70	43.47	86.500	-1,826.74	-1,698.56	1,981.85	1,905.42	76.43	25.931	
13,800.00	12,759.00	14,167.34	12,638.00	43.86	44.28	86.500	-1,926.74	-1,697.56	1,981.81	1,903.35	78.46	25.258	
13,900.00	12,759.00	14,267.34	12,638.00	44.05	45.13	86.500	-2,026.73	-1,696.56	1,981.77	1,901.23	80.55	24.604	
14,000.00	12,759.00	14,367.34	12,638.00	44.28	46.01	86.499	-2,126.73	-1,695.56	1,981.74	1,899.06	82.68	23.969	
14,100.00	12,759.00	14,467.34	12,638.00	44.57	46.92	86.499	-2,226.72	-1,694.56	1,981.70	1,896.85	84.85	23.355	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 412H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
14,200.00	12,759.00	14,567.34	12,638.00	44.91	47.87	86.499	-2,326.72	-1,693.57	1,981.67	1,894.61	87.06	22.761	
14,300.00	12,759.00	14,667.34	12,638.00	45.32	48.84	86.499	-2,426.71	-1,692.57	1,981.63	1,892.32	89.31	22.188	
14,400.00	12,759.00	14,767.34	12,638.00	45.81	49.84	86.499	-2,526.71	-1,691.57	1,981.60	1,890.00	91.59	21.635	
14,500.00	12,759.00	14,867.34	12,638.00	46.40	50.86	86.499	-2,626.70	-1,690.57	1,981.56	1,887.66	93.90	21.102	
14,600.00	12,759.00	14,967.34	12,638.00	47.09	51.90	86.499	-2,726.70	-1,689.57	1,981.52	1,885.28	96.25	20.588	
14,700.00	12,759.00	15,067.34	12,638.00	47.88	52.97	86.499	-2,826.69	-1,688.57	1,981.49	1,882.87	98.62	20.093	
14,800.00	12,759.00	15,167.34	12,638.00	48.76	54.05	86.499	-2,926.69	-1,687.58	1,981.45	1,880.44	101.01	19.617	
14,900.00	12,759.00	15,267.34	12,638.00	49.72	55.15	86.499	-3,026.68	-1,686.58	1,981.42	1,877.99	103.43	19.158	
15,000.00	12,759.00	15,367.34	12,638.00	50.75	56.27	86.499	-3,126.68	-1,685.58	1,981.38	1,875.52	105.87	18.716	
15,100.00	12,759.00	15,467.34	12,638.00	51.84	57.41	86.499	-3,226.67	-1,684.58	1,981.35	1,873.02	108.33	18.291	
15,200.00	12,759.00	15,567.34	12,638.00	52.98	58.55	86.499	-3,326.67	-1,683.58	1,981.31	1,870.51	110.80	17.881	
15,300.00	12,759.00	15,667.34	12,638.00	54.15	59.72	86.499	-3,426.66	-1,682.59	1,981.27	1,867.97	113.30	17.487	
15,400.00	12,759.00	15,767.34	12,638.00	55.36	60.89	86.499	-3,526.66	-1,681.59	1,981.24	1,865.43	115.81	17.107	
15,500.00	12,759.00	15,867.34	12,638.00	56.60	62.08	86.499	-3,626.65	-1,680.59	1,981.20	1,862.86	118.34	16.741	
15,600.00	12,759.00	15,967.34	12,638.00	57.85	63.28	86.498	-3,726.65	-1,679.59	1,981.17	1,860.28	120.89	16.389	
15,700.00	12,759.00	16,067.34	12,638.00	59.13	64.49	86.498	-3,826.64	-1,678.59	1,981.13	1,857.69	123.44	16.049	
15,800.00	12,759.00	16,167.34	12,638.00	60.42	65.71	86.498	-3,926.64	-1,677.59	1,981.10	1,855.08	126.01	15.721	
15,900.00	12,759.00	16,267.34	12,638.00	61.72	66.93	86.498	-4,026.63	-1,676.60	1,981.06	1,852.46	128.60	15.405	
16,000.00	12,759.00	16,367.34	12,638.00	63.04	68.17	86.498	-4,126.63	-1,675.60	1,981.02	1,849.83	131.19	15.100	
16,100.00	12,759.00	16,467.34	12,638.00	64.36	69.42	86.498	-4,226.62	-1,674.60	1,980.99	1,847.19	133.80	14.806	
16,200.00	12,759.00	16,567.34	12,638.00	65.69	70.67	86.498	-4,326.62	-1,673.60	1,980.95	1,844.54	136.41	14.522	
16,300.00	12,759.00	16,667.34	12,638.00	67.03	71.93	86.498	-4,426.61	-1,672.60	1,980.92	1,841.88	139.04	14.247	
16,400.00	12,759.00	16,767.34	12,638.00	68.37	73.19	86.498	-4,526.61	-1,671.61	1,980.88	1,839.21	141.67	13.982	
16,500.00	12,759.00	16,867.34	12,638.00	69.73	74.47	86.498	-4,626.60	-1,670.61	1,980.85	1,836.53	144.32	13.726	
16,600.00	12,759.00	16,967.34	12,638.00	71.08	75.75	86.498	-4,726.60	-1,669.61	1,980.81	1,833.84	146.97	13.478	
16,700.00	12,759.00	17,067.34	12,638.00	72.44	77.03	86.498	-4,826.59	-1,668.61	1,980.77	1,831.15	149.63	13.238	
16,800.00	12,759.00	17,167.34	12,638.00	73.81	78.32	86.498	-4,926.59	-1,667.61	1,980.74	1,828.44	152.30	13.006	
16,900.00	12,759.00	17,267.34	12,638.00	75.18	79.62	86.498	-5,026.58	-1,666.61	1,980.70	1,825.73	154.97	12.781	
17,000.00	12,759.00	17,367.34	12,638.00	76.55	80.92	86.498	-5,126.58	-1,665.62	1,980.67	1,823.02	157.65	12.564	
17,100.00	12,759.00	17,467.34	12,638.00	77.92	82.22	86.498	-5,226.57	-1,664.62	1,980.63	1,820.29	160.34	12.353	
17,200.00	12,759.00	17,567.34	12,638.00	79.30	83.53	86.497	-5,326.57	-1,663.62	1,980.60	1,817.57	163.03	12.149	
17,300.00	12,759.00	17,667.34	12,638.00	80.68	84.84	86.497	-5,426.56	-1,662.62	1,980.56	1,814.83	165.73	11.951	
17,400.00	12,759.00	17,767.34	12,638.00	82.07	86.16	86.497	-5,526.56	-1,661.62	1,980.52	1,812.09	168.43	11.758	
17,500.00	12,759.00	17,867.34	12,638.00	83.45	87.48	86.497	-5,626.55	-1,660.62	1,980.49	1,809.35	171.14	11.572	
17,600.00	12,759.00	17,967.34	12,638.00	84.84	88.81	86.497	-5,726.55	-1,659.63	1,980.45	1,806.59	173.86	11.391	
17,700.00	12,759.00	18,067.34	12,638.00	86.23	90.14	86.497	-5,826.54	-1,658.63	1,980.42	1,803.84	176.58	11.216	
17,800.00	12,759.00	18,167.34	12,638.00	87.62	91.47	86.497	-5,926.54	-1,657.63	1,980.38	1,801.08	179.30	11.045	
17,900.00	12,759.00	18,267.34	12,638.00	89.01	92.80	86.497	-6,026.53	-1,656.63	1,980.35	1,798.32	182.03	10.879	
18,000.00	12,759.00	18,367.34	12,638.00	90.41	94.14	86.497	-6,126.53	-1,655.63	1,980.31	1,795.55	184.76	10.718	
18,100.00	12,759.00	18,467.34	12,638.00	91.80	95.48	86.497	-6,226.52	-1,654.64	1,980.27	1,792.77	187.50	10.561	
18,200.00	12,759.00	18,567.34	12,638.00	93.20	96.82	86.497	-6,326.52	-1,653.64	1,980.24	1,790.00	190.24	10.409	
18,300.00	12,759.00	18,667.34	12,638.00	94.60	98.17	86.497	-6,426.52	-1,652.64	1,980.20	1,787.22	192.98	10.261	
18,400.00	12,759.00	18,767.34	12,638.00	96.00	99.52	86.497	-6,526.51	-1,651.64	1,980.17	1,784.44	195.73	10.117	
18,500.00	12,759.00	18,867.34	12,638.00	97.40	100.87	86.497	-6,626.51	-1,650.64	1,980.13	1,781.65	198.48	9.976	
18,600.00	12,759.00	18,967.34	12,638.00	98.81	102.22	86.497	-6,726.50	-1,649.64	1,980.10	1,778.86	201.24	9.840	
18,700.00	12,759.00	19,067.34	12,638.00	100.21	103.58	86.497	-6,826.50	-1,648.65	1,980.06	1,776.07	203.99	9.706	
18,800.00	12,759.00	19,167.34	12,638.00	101.62	104.94	86.496	-6,926.49	-1,647.65	1,980.02	1,773.27	206.75	9.577	
18,900.00	12,759.00	19,267.34	12,638.00	103.02	106.30	86.496	-7,026.49	-1,646.65	1,979.99	1,770.47	209.52	9.450	
19,000.00	12,759.00	19,367.34	12,638.00	104.43	107.66	86.496	-7,126.48	-1,645.65	1,979.95	1,767.67	212.28	9.327	
19,100.00	12,759.00	19,467.34	12,638.00	105.84	109.02	86.496	-7,226.48	-1,644.65	1,979.92	1,764.86	215.05	9.207	
19,200.00	12,759.00	19,567.34	12,638.00	107.24	110.39	86.496	-7,326.47	-1,643.66	1,979.88	1,762.06	217.82	9.089	
19,300.00	12,759.00	19,667.34	12,638.00	108.65	111.76	86.496	-7,426.47	-1,642.66	1,979.85	1,759.25	220.60	8.975	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 412H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>			<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Minimum Separation (usft)</b>		
19,400.00	12,759.00	19,767.34	12,638.00	110.06	113.13	86.496	-7,526.46	-1,641.66	1,979.81	1,756.44	223.37	8.863	
19,500.00	12,759.00	19,867.34	12,638.00	111.47	114.50	86.496	-7,626.46	-1,640.66	1,979.77	1,753.62	226.15	8.754	
19,600.00	12,759.00	19,967.34	12,638.00	112.89	115.87	86.496	-7,726.45	-1,639.66	1,979.74	1,750.81	228.93	8.648	
19,700.00	12,759.00	20,067.34	12,638.00	114.30	117.24	86.496	-7,826.45	-1,638.66	1,979.70	1,747.99	231.71	8.544	
19,800.00	12,759.00	20,167.34	12,638.00	115.71	118.62	86.496	-7,926.44	-1,637.67	1,979.67	1,745.17	234.50	8.442	
19,900.00	12,759.00	20,267.34	12,638.00	117.12	120.00	86.496	-8,026.44	-1,636.67	1,979.63	1,742.35	237.29	8.343	
20,000.00	12,759.00	20,367.34	12,638.00	118.54	121.37	86.496	-8,126.43	-1,635.67	1,979.60	1,739.52	240.07	8.246	
20,100.00	12,759.00	20,467.34	12,638.00	119.95	122.75	86.496	-8,226.43	-1,634.67	1,979.56	1,736.69	242.87	8.151	
20,200.00	12,759.00	20,567.34	12,638.00	121.37	124.14	86.496	-8,326.42	-1,633.67	1,979.52	1,733.87	245.66	8.058	
20,300.00	12,759.00	20,667.34	12,638.00	122.78	125.52	86.495	-8,426.42	-1,632.67	1,979.49	1,731.04	248.45	7.967	
20,400.00	12,759.00	20,767.34	12,638.00	124.20	126.90	86.495	-8,526.41	-1,631.68	1,979.45	1,728.21	251.25	7.879	
20,500.00	12,759.00	20,867.34	12,638.00	125.61	128.29	86.495	-8,626.41	-1,630.68	1,979.42	1,725.37	254.04	7.792	
20,600.00	12,759.00	20,967.34	12,638.00	127.03	129.67	86.495	-8,726.40	-1,629.68	1,979.38	1,722.54	256.84	7.707	
20,700.00	12,759.00	21,067.34	12,638.00	128.45	131.06	86.495	-8,826.40	-1,628.68	1,979.35	1,719.70	259.64	7.623	
20,800.00	12,759.00	21,167.34	12,638.00	129.87	132.45	86.495	-8,926.39	-1,627.68	1,979.31	1,716.87	262.44	7.542	
20,900.00	12,759.00	21,267.34	12,638.00	131.29	133.83	86.495	-9,026.39	-1,626.69	1,979.27	1,714.03	265.25	7.462	
21,000.00	12,759.00	21,367.34	12,638.00	132.70	135.22	86.495	-9,126.38	-1,625.69	1,979.24	1,711.19	268.05	7.384	
21,100.00	12,759.00	21,467.34	12,638.00	134.12	136.61	86.495	-9,226.38	-1,624.69	1,979.20	1,708.34	270.86	7.307	
21,200.00	12,759.00	21,567.34	12,638.00	135.54	138.01	86.495	-9,326.37	-1,623.69	1,979.17	1,705.50	273.66	7.232	
21,300.00	12,759.00	21,667.34	12,638.00	136.96	139.40	86.495	-9,426.37	-1,622.69	1,979.13	1,702.66	276.47	7.158	
21,400.00	12,759.00	21,767.34	12,638.00	138.38	140.79	86.495	-9,526.36	-1,621.69	1,979.10	1,699.81	279.28	7.086	
21,500.00	12,759.00	21,867.34	12,638.00	139.80	142.19	86.495	-9,626.36	-1,620.70	1,979.06	1,696.97	282.09	7.016	
21,600.00	12,759.00	21,967.34	12,638.00	141.22	143.58	86.495	-9,726.35	-1,619.70	1,979.02	1,694.12	284.91	6.946	
21,700.00	12,759.00	22,067.34	12,638.00	142.65	144.98	86.495	-9,826.35	-1,618.70	1,978.99	1,691.27	287.72	6.878	
21,800.00	12,759.00	22,167.34	12,638.00	144.07	146.37	86.495	-9,926.34	-1,617.70	1,978.95	1,688.42	290.53	6.811	
21,900.00	12,759.00	22,267.34	12,638.00	145.49	147.77	86.494	-10,026.34	-1,616.70	1,978.92	1,685.57	293.35	6.746	
22,000.00	12,759.00	22,367.34	12,638.00	146.91	149.17	86.494	-10,126.33	-1,615.71	1,978.88	1,682.72	296.16	6.682	
22,100.00	12,759.00	22,467.34	12,638.00	148.33	150.57	86.494	-10,226.33	-1,614.71	1,978.85	1,679.86	298.98	6.619	
22,125.24	12,759.00	22,492.58	12,638.00	148.69	150.92	86.494	-10,251.57	-1,614.46	1,978.84	1,679.15	299.69	6.603 SF	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 413H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>			<b>Distance</b>		<b>Rule Assigned:</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>+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>
0.00	0.00	0.00	0.00	1.00	1.00	-90.382	-0.40	-60.07	60.07				
100.00	100.00	100.00	100.00	1.08	1.08	-90.382	-0.40	-60.07	60.07	57.90	2.17	27.704	
200.00	200.00	200.00	200.00	1.60	1.60	-90.382	-0.40	-60.07	60.07	56.87	3.20	18.789	
300.00	300.00	300.00	300.00	2.01	2.01	-90.382	-0.40	-60.07	60.07	56.05	4.02	14.946	
400.00	400.00	400.00	400.00	2.35	2.35	-90.382	-0.40	-60.07	60.07	55.37	4.71	12.767	
500.00	500.00	500.00	500.00	2.65	2.65	-90.382	-0.40	-60.07	60.07	54.76	5.31	11.317	
600.00	600.00	600.00	600.00	2.93	2.93	-90.382	-0.40	-60.07	60.07	54.22	5.85	10.262	
700.00	700.00	700.00	700.00	3.18	3.18	-90.382	-0.40	-60.07	60.07	53.71	6.36	9.449	
800.00	800.00	800.00	800.00	3.41	3.41	-90.382	-0.40	-60.07	60.07	53.24	6.83	8.799	
900.00	900.00	900.00	900.00	3.64	3.64	-90.382	-0.40	-60.07	60.07	52.80	7.27	8.262	
1,000.00	1,000.00	1,000.00	1,000.00	3.85	3.85	-90.382	-0.40	-60.07	60.07	52.38	7.69	7.810	
1,100.00	1,100.00	1,100.00	1,100.00	4.05	4.05	-90.382	-0.40	-60.07	60.07	51.98	8.09	7.421	
1,200.00	1,200.00	1,200.00	1,200.00	4.24	4.24	-90.382	-0.40	-60.07	60.07	51.59	8.48	7.083	
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	-90.382	-0.40	-60.07	60.07	51.22	8.85	6.784	
1,400.00	1,400.00	1,400.00	1,400.00	4.61	4.61	-90.382	-0.40	-60.07	60.07	50.86	9.21	6.519	
1,500.00	1,500.00	1,500.00	1,500.00	4.78	4.78	-90.382	-0.40	-60.07	60.07	50.51	9.56	6.280 CC, ES	
1,600.00	1,599.98	1,599.06	1,599.04	4.98	4.98	112.260	-1.94	-60.82	61.50	51.66	9.84	6.251	
1,699.91	1,699.74	1,697.90	1,697.75	5.60	5.59	112.353	-6.54	-63.06	65.77	55.51	10.27	6.407	
1,800.00	1,799.59	1,797.61	1,797.17	5.91	5.72	112.098	-13.30	-66.36	71.76	61.26	10.50	6.832	
1,900.00	1,899.35	1,897.43	1,896.70	6.08	5.89	111.836	-20.12	-69.68	77.77	67.00	10.77	7.220	
2,000.00	1,999.11	1,997.25	1,996.23	6.27	6.08	111.610	-26.95	-73.01	83.79	72.74	11.05	7.579	
2,100.00	2,098.86	2,097.06	2,095.76	6.47	6.29	111.415	-33.78	-76.34	89.81	78.46	11.34	7.916	
2,200.00	2,198.62	2,196.88	2,195.28	6.68	6.52	111.245	-40.61	-79.66	95.83	84.18	11.64	8.231	
2,300.00	2,298.38	2,296.70	2,294.81	6.91	6.76	111.095	-47.43	-82.99	101.84	89.90	11.94	8.527	
2,400.00	2,398.13	2,396.52	2,394.34	7.15	7.01	110.961	-54.26	-86.32	107.86	95.61	12.25	8.804	
2,500.00	2,497.89	2,496.34	2,493.87	7.41	7.27	110.842	-61.09	-89.64	113.88	101.32	12.56	9.064	
2,600.00	2,597.65	2,596.16	2,593.40	7.67	7.54	110.734	-67.91	-92.97	119.90	107.02	12.88	9.308	
2,700.00	2,697.40	2,695.97	2,692.93	7.94	7.82	110.637	-74.74	-96.30	125.92	112.72	13.20	9.537	
2,800.00	2,797.16	2,795.79	2,792.46	8.21	8.11	110.549	-81.57	-99.62	131.94	118.41	13.53	9.752	
2,900.00	2,896.92	2,895.61	2,891.99	8.50	8.41	110.468	-88.40	-102.95	137.97	124.11	13.86	9.954	
3,000.00	2,996.67	2,995.43	2,991.52	8.79	8.71	110.394	-95.22	-106.28	143.99	129.79	14.19	10.145	
3,100.00	3,096.43	3,095.25	3,091.05	9.08	9.01	110.326	-102.05	-109.61	150.01	135.48	14.53	10.324	
3,200.00	3,196.19	3,195.07	3,190.57	9.38	9.32	110.264	-108.88	-112.93	156.03	141.16	14.87	10.493	
3,300.00	3,295.94	3,294.89	3,290.10	9.69	9.64	110.206	-115.70	-116.26	162.05	146.84	15.21	10.653	
3,400.00	3,395.70	3,394.70	3,389.63	10.00	9.96	110.152	-122.53	-119.59	168.08	152.52	15.56	10.804	
3,500.00	3,495.46	3,494.52	3,489.16	10.31	10.28	110.102	-129.36	-122.91	174.10	158.19	15.90	10.946	
3,600.00	3,595.21	3,594.34	3,588.69	10.63	10.61	110.055	-136.18	-126.24	180.12	163.87	16.25	11.081	
3,700.00	3,694.97	3,694.16	3,688.22	10.95	10.94	110.011	-143.01	-129.57	186.14	169.54	16.61	11.209	
3,800.00	3,794.73	3,793.98	3,787.75	11.27	11.27	109.970	-149.84	-132.89	192.17	175.20	16.96	11.330	
3,900.00	3,894.48	3,893.80	3,887.28	11.60	11.61	109.932	-156.67	-136.22	198.19	180.87	17.32	11.445	
4,000.00	3,994.24	3,993.61	3,986.81	11.93	11.95	109.895	-163.49	-139.55	204.21	186.54	17.67	11.554	
4,100.00	4,094.00	4,093.43	4,086.34	12.26	12.29	109.861	-170.32	-142.88	210.23	192.20	18.03	11.658	
4,200.00	4,193.75	4,193.25	4,185.87	12.59	12.63	109.829	-177.15	-146.20	216.26	197.86	18.39	11.757	
4,300.00	4,293.51	4,293.07	4,285.39	12.93	12.97	109.798	-183.97	-149.53	222.28	203.52	18.76	11.851	
4,400.00	4,393.27	4,392.89	4,384.92	13.26	13.32	109.769	-190.80	-152.86	228.30	209.18	19.12	11.940	
4,500.00	4,493.02	4,492.71	4,484.45	13.60	13.67	109.742	-197.63	-156.18	234.33	214.84	19.49	12.026	
4,600.00	4,592.78	4,592.52	4,583.98	13.94	14.01	109.716	-204.46	-159.51	240.35	220.50	19.85	12.107	
4,700.00	4,692.54	4,692.34	4,683.51	14.28	14.36	109.691	-211.28	-162.84	246.37	226.15	20.22	12.185	
4,800.00	4,792.29	4,792.16	4,783.04	14.62	14.72	109.668	-218.11	-166.16	252.40	231.81	20.59	12.259	
4,900.00	4,892.05	4,891.98	4,882.57	14.97	15.07	109.645	-224.94	-169.49	258.42	237.46	20.96	12.331	
5,000.00	4,991.81	4,991.80	4,982.10	15.31	15.42	109.624	-231.76	-172.82	264.44	243.11	21.33	12.399	
5,100.00	5,091.56	5,091.62	5,081.63	15.66	15.78	109.603	-238.59	-176.15	270.47	248.77	21.70	12.464	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 413H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Rule Assigned:</b>		<b>Warning</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>+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>	
5,200.00	5,191.32	5,191.43	5,181.16	16.00	16.13	109.583	-245.42	-179.47	276.49	254.42	22.07	12.527	
5,300.00	5,291.08	5,291.25	5,280.69	16.35	16.49	109.565	-252.25	-182.80	282.51	260.07	22.45	12.587	
5,400.00	5,390.83	5,391.07	5,380.21	16.70	16.85	109.547	-259.07	-186.13	288.54	265.72	22.82	12.644	
5,500.00	5,490.59	5,490.89	5,479.74	17.05	17.20	109.529	-265.90	-189.45	294.56	271.37	23.19	12.700	
5,600.00	5,590.35	5,590.71	5,579.27	17.40	17.56	109.513	-272.73	-192.78	300.58	277.01	23.57	12.753	
5,700.00	5,690.10	5,690.53	5,678.80	17.75	17.92	109.497	-279.55	-196.11	306.61	282.66	23.95	12.804	
5,800.00	5,789.86	5,790.34	5,778.33	18.10	18.28	109.482	-286.38	-199.43	312.63	288.31	24.32	12.853	
5,900.00	5,889.62	5,890.16	5,877.86	18.46	18.64	109.467	-293.21	-202.76	318.65	293.95	24.70	12.900	
6,000.00	5,989.37	5,989.98	5,977.39	18.81	19.00	109.453	-300.03	-206.09	324.68	299.60	25.08	12.946	
6,100.00	6,089.13	6,089.80	6,076.92	19.16	19.36	109.439	-306.86	-209.41	330.70	305.24	25.46	12.990	
6,200.00	6,188.89	6,189.62	6,176.45	19.52	19.73	109.426	-313.69	-212.74	336.73	310.89	25.84	13.032	
6,300.00	6,288.64	6,289.44	6,275.98	19.87	20.09	109.413	-320.52	-216.07	342.75	316.53	26.22	13.073	
6,400.00	6,388.40	6,389.25	6,375.50	20.22	20.45	109.401	-327.34	-219.40	348.77	322.18	26.60	13.113	
6,500.00	6,488.16	6,489.07	6,475.03	20.58	20.82	109.389	-334.17	-222.72	354.80	327.82	26.98	13.151	
6,600.00	6,587.91	6,588.89	6,574.56	20.94	21.18	109.378	-341.00	-226.05	360.82	333.46	27.36	13.188	
6,700.00	6,687.67	6,688.71	6,674.09	21.29	21.54	109.367	-347.82	-229.38	366.84	339.10	27.74	13.224	
6,800.00	6,787.43	6,788.53	6,773.62	21.65	21.91	109.356	-354.65	-232.70	372.87	344.74	28.12	13.258	
6,900.00	6,887.18	6,888.35	6,873.15	22.01	22.27	109.345	-361.48	-236.03	378.89	350.39	28.51	13.291	
7,000.00	6,986.94	6,988.17	6,972.68	22.36	22.64	109.335	-368.31	-239.36	384.92	356.03	28.89	13.324	
7,100.00	7,086.70	7,087.98	7,072.21	22.72	23.01	109.326	-375.13	-242.68	390.94	361.67	29.27	13.355	
7,200.00	7,186.45	7,187.80	7,171.74	23.08	23.37	109.316	-381.96	-246.01	396.96	367.31	29.66	13.385	
7,300.00	7,286.21	7,287.62	7,271.27	23.44	23.74	109.307	-388.79	-249.34	402.99	372.95	30.04	13.415	
7,400.00	7,385.97	7,387.44	7,370.80	23.80	24.10	109.298	-395.61	-252.67	409.01	378.59	30.43	13.443	
7,500.00	7,485.72	7,487.26	7,470.32	24.16	24.47	109.289	-402.44	-255.99	415.03	384.22	30.81	13.471	
7,600.00	7,585.48	7,587.08	7,569.85	24.52	24.84	109.281	-409.27	-259.32	421.06	389.86	31.20	13.497	
7,700.00	7,685.24	7,686.89	7,669.38	24.88	25.21	109.273	-416.09	-262.65	427.08	395.50	31.58	13.524	
7,800.00	7,784.99	7,786.71	7,768.91	25.24	25.57	109.265	-422.92	-265.97	433.11	401.14	31.97	13.549	
7,900.00	7,884.75	7,886.53	7,868.44	25.60	25.94	109.257	-429.75	-269.30	439.13	406.78	32.35	13.573	
8,000.00	7,984.51	7,986.35	7,967.97	25.96	26.31	109.250	-436.58	-272.63	445.15	412.42	32.74	13.597	
8,100.00	8,084.26	8,086.17	8,067.50	26.32	26.68	109.242	-443.40	-275.95	451.18	418.05	33.13	13.620	
8,200.00	8,184.02	8,185.99	8,167.03	26.68	27.05	109.235	-450.23	-279.28	457.20	423.69	33.51	13.643	
8,300.00	8,283.78	8,285.80	8,266.56	27.04	27.42	109.228	-457.06	-282.61	463.23	429.33	33.90	13.665	
8,400.00	8,383.53	8,385.62	8,366.09	27.40	27.78	109.222	-463.88	-285.93	469.25	434.96	34.29	13.686	
8,500.00	8,483.29	8,485.44	8,465.61	27.76	28.15	109.215	-470.71	-289.26	475.27	440.60	34.67	13.707	
8,600.00	8,583.05	8,585.26	8,565.14	28.12	28.52	109.209	-477.54	-292.59	481.30	446.24	35.06	13.727	
8,700.00	8,682.80	8,685.08	8,664.67	28.48	28.89	109.202	-484.37	-295.92	487.32	451.87	35.45	13.747	
8,800.00	8,782.56	8,784.90	8,764.20	28.85	29.26	109.196	-491.19	-299.24	493.35	457.51	35.84	13.766	
8,900.00	8,882.32	8,884.71	8,863.73	29.21	29.63	109.190	-498.02	-302.57	499.37	463.14	36.23	13.785	
9,000.00	8,982.07	8,984.53	8,963.26	29.57	30.00	109.185	-504.85	-305.90	505.39	468.78	36.61	13.803	
9,100.00	9,081.83	9,084.35	9,062.79	29.93	30.37	109.179	-511.67	-309.22	511.42	474.41	37.00	13.821	
9,200.00	9,181.59	9,184.17	9,162.32	30.30	30.74	109.173	-518.50	-312.55	517.44	480.05	37.39	13.838	
9,300.00	9,281.34	9,283.99	9,261.85	30.66	31.11	109.168	-525.33	-315.88	523.47	485.68	37.78	13.855	
9,400.00	9,381.10	9,383.81	9,361.38	31.02	31.48	109.163	-532.16	-319.20	529.49	491.32	38.17	13.872	
9,500.00	9,480.86	9,483.62	9,460.91	31.39	31.85	109.157	-538.98	-322.53	535.51	496.95	38.56	13.888	
9,600.00	9,580.61	9,583.44	9,560.43	31.75	32.22	109.152	-545.81	-325.86	541.54	502.59	38.95	13.903	
9,700.00	9,680.37	9,683.26	9,659.96	32.11	32.59	109.147	-552.64	-329.19	547.56	508.22	39.34	13.919	
9,800.00	9,780.13	9,783.08	9,759.49	32.48	32.97	109.143	-559.46	-332.51	553.59	513.86	39.73	13.934	
9,900.00	9,879.88	9,882.90	9,859.02	32.84	33.34	109.138	-566.29	-335.84	559.61	519.49	40.12	13.949	
10,000.00	9,979.64	9,982.72	9,958.55	33.20	33.71	109.133	-573.12	-339.17	565.63	525.12	40.51	13.963	
10,100.00	10,079.39	10,082.54	10,058.08	33.57	34.08	109.129	-579.94	-342.49	571.66	530.76	40.90	13.977	
10,200.00	10,179.15	10,182.35	10,157.61	33.93	34.45	109.124	-586.77	-345.82	577.68	536.39	41.29	13.991	
10,300.00	10,278.91	10,282.17	10,257.14	34.29	34.82	109.120	-593.60	-349.15	583.71	542.02	41.68	14.004	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com (NAD83) - El Campeon Fed Com 413H - OH - Plan 1 08-31-22													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM					Rule Assigned:							Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,400.00	10,378.66	10,381.99	10,356.67	34.66	35.19	109.116	-600.43	-352.47	589.73	547.66	42.07	14.017			
10,500.00	10,478.42	10,481.81	10,456.20	35.02	35.57	109.111	-607.25	-355.80	595.75	553.29	42.46	14.030			
10,600.00	10,578.18	10,581.63	10,555.72	35.39	35.94	109.107	-614.08	-359.13	601.78	558.92	42.85	14.042			
10,700.00	10,677.93	10,681.45	10,655.25	35.75	36.31	109.103	-620.91	-362.46	607.80	564.56	43.25	14.055			
10,800.00	10,777.69	10,781.26	10,754.78	36.12	36.68	109.099	-627.73	-365.78	613.83	570.19	43.64	14.067			
10,900.00	10,877.45	10,881.08	10,854.31	36.48	37.05	109.096	-634.56	-369.11	619.85	575.82	44.03	14.078			
11,000.00	10,977.20	10,980.90	10,953.84	36.85	37.42	109.092	-641.39	-372.44	625.87	581.45	44.42	14.090			
11,100.00	11,076.96	11,080.72	11,053.37	37.21	37.80	109.088	-648.22	-375.76	631.90	587.09	44.81	14.101			
11,200.00	11,176.72	11,180.54	11,152.90	37.57	38.17	109.084	-655.04	-379.09	637.92	592.72	45.20	14.112			
11,300.00	11,276.47	11,280.36	11,252.43	37.94	38.54	109.081	-661.87	-382.42	643.95	598.35	45.60	14.123			
11,400.00	11,376.23	11,380.17	11,351.96	38.30	38.91	109.077	-668.70	-385.74	649.97	603.99	45.98	14.135			
11,500.00	11,475.99	11,492.44	11,464.03	38.67	39.31	109.238	-674.44	-388.54	655.06	608.69	46.36	14.129			
11,510.34	11,486.30	11,504.05	11,475.64	38.71	39.35	109.273	-674.81	-388.72	655.47	609.08	46.39	14.129			
11,600.00	11,575.83	11,604.86	11,576.43	39.02	39.50	109.645	-676.23	-389.42	657.78	611.18	46.60	14.116			
11,700.00	11,675.80	11,704.23	11,675.80	39.33	39.52	109.828	-676.24	-389.42	658.49	611.76	46.72	14.093			
11,710.24	11,686.04	11,714.47	11,686.04	39.34	39.52	-92.777	-676.24	-389.42	658.50	611.77	46.73	14.092			
11,800.00	11,775.80	11,804.23	11,775.80	39.34	39.52	-92.777	-676.24	-389.42	658.50	611.76	46.73	14.091			
11,900.00	11,875.80	11,904.23	11,875.80	39.35	39.53	-92.777	-676.24	-389.42	658.50	611.75	46.75	14.087			
12,000.00	11,975.80	12,004.23	11,975.80	39.35	39.54	-92.777	-676.24	-389.42	658.50	611.74	46.76	14.082			
12,015.00	11,990.80	12,019.23	11,990.80	39.35	39.54	-92.777	-676.24	-389.42	658.50	611.73	46.76	14.082			
12,100.00	12,075.80	12,104.03	12,075.60	39.36	39.55	-92.778	-676.26	-389.42	658.50	611.72	46.78	14.077			
12,200.00	12,175.80	12,200.00	12,171.05	39.36	39.91	-93.541	-685.03	-389.33	658.91	612.01	46.90	14.048			
12,210.24	12,186.04	12,208.24	12,179.16	39.36	39.96	-93.671	-686.53	-389.32	659.01	612.09	46.92	14.044			
12,250.00	12,225.77	12,244.74	12,214.76	39.43	40.17	86.246	-694.55	-389.24	659.46	612.42	47.04	14.020			
12,300.00	12,275.43	12,290.10	12,258.17	39.69	40.44	85.477	-707.66	-389.12	660.12	612.88	47.24	13.974			
12,350.00	12,324.42	12,334.90	12,299.90	39.98	40.71	84.742	-723.93	-388.96	660.86	613.37	47.49	13.916			
12,400.00	12,372.35	12,379.19	12,339.78	40.29	40.97	84.046	-743.17	-388.77	661.65	613.87	47.79	13.846			
12,450.00	12,418.86	12,423.01	12,377.65	40.60	41.23	83.394	-765.18	-388.56	662.49	614.36	48.13	13.765			
12,500.00	12,463.61	12,466.41	12,413.41	40.91	41.47	82.787	-789.77	-388.32	663.34	614.83	48.51	13.674			
12,550.00	12,506.24	12,509.44	12,446.91	41.22	41.71	82.231	-816.75	-388.06	664.18	615.25	48.93	13.574			
12,600.00	12,546.43	12,550.00	12,476.56	41.50	41.92	81.748	-844.42	-387.79	665.00	615.63	49.37	13.469			
12,650.00	12,583.88	12,594.56	12,506.78	41.78	42.14	81.280	-877.15	-387.48	665.76	615.87	49.89	13.345			
12,700.00	12,618.30	12,636.73	12,532.96	42.03	42.33	80.890	-910.19	-387.16	666.45	616.03	50.42	13.218			
12,750.00	12,649.43	12,678.69	12,556.52	42.27	42.50	80.560	-944.90	-386.82	667.06	616.08	50.98	13.084			
12,800.00	12,677.04	12,720.48	12,577.41	42.47	42.66	80.291	-981.08	-386.47	667.58	616.00	51.58	12.943			
12,850.00	12,700.91	12,762.14	12,595.54	42.66	42.79	80.085	-1,018.57	-386.11	667.98	615.78	52.20	12.796			
12,900.00	12,720.86	12,800.00	12,609.63	42.81	42.91	79.949	-1,053.71	-385.77	668.27	615.47	52.80	12.657			
12,950.00	12,736.74	12,845.20	12,623.36	42.94	43.02	79.865	-1,096.76	-385.36	668.41	614.88	53.53	12.486			
13,000.00	12,748.43	12,886.67	12,632.93	43.04	43.10	79.852	-1,137.10	-384.97	668.44	614.20	54.24	12.323			
13,050.00	12,755.84	12,928.16	12,639.57	43.11	43.16	79.904	-1,178.04	-384.57	668.33	613.36	54.98	12.157			
13,100.00	12,758.91	12,969.69	12,643.23	43.15	43.21	80.021	-1,219.40	-384.17	668.10	612.37	55.73	11.988			
13,110.24	12,759.00	12,978.21	12,643.61	43.16	43.22	80.053	-1,227.91	-384.09	668.03	612.15	55.89	11.953			
13,152.49	12,759.00	13,016.17	12,644.00	43.18	43.25	80.086	-1,265.87	-383.72	667.95	611.35	56.60	11.802			
13,200.00	12,759.00	13,063.69	12,644.00	43.21	43.28	80.086	-1,313.38	-383.26	667.95	610.48	57.47	11.622			
13,300.00	12,759.00	13,163.69	12,644.00	43.28	43.36	80.086	-1,413.37	-382.30	667.95	608.56	59.38	11.248			
13,400.00	12,759.00	13,263.69	12,644.00	43.36	43.46	80.086	-1,513.37	-381.33	667.94	606.58	61.36	10.885			
13,500.00	12,759.00	13,363.69	12,644.00	43.45	43.58	80.086	-1,613.36	-380.36	667.94	604.53	63.41	10.533			
13,600.00	12,759.00	13,463.69	12,644.00	43.56	43.72	80.086	-1,713.36	-379.40	667.93	602.42	65.52	10.194			
13,700.00	12,759.00	13,563.69	12,644.00	43.70	43.89	80.086	-1,813.35	-378.43	667.93	600.25	67.68	9.869			
13,800.00	12,759.00	13,663.69	12,644.00	43.86	44.09	80.086	-1,913.35	-377.47	667.93	598.04	69.89	9.557			
13,900.00	12,759.00	13,763.69	12,644.00	44.05	44.34	80.086	-2,013.35	-376.50	667.92	595.78	72.15	9.258			
14,000.00	12,759.00	13,863.69	12,644.00	44.28	44.63	80.086	-2,113.34	-375.53	667.92	593.48	74.44	8.973			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 413H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
14,100.00	12,759.00	13,963.69	12,644.00	44.57	44.97	80.086	-2,213.34	-374.57	667.92	591.14	76.77	8.700	
14,200.00	12,759.00	14,063.69	12,644.00	44.91	45.38	80.086	-2,313.33	-373.60	667.91	588.78	79.14	8.440	
14,300.00	12,759.00	14,163.69	12,644.00	45.32	45.86	80.085	-2,413.33	-372.64	667.91	586.38	81.53	8.192	
14,400.00	12,759.00	14,263.69	12,644.00	45.81	46.42	80.085	-2,513.32	-371.67	667.91	583.95	83.96	7.955	
14,500.00	12,759.00	14,363.69	12,644.00	46.40	47.07	80.085	-2,613.32	-370.70	667.90	581.50	86.40	7.730	
14,600.00	12,759.00	14,463.69	12,644.00	47.09	47.80	80.085	-2,713.31	-369.74	667.90	579.02	88.88	7.515	
14,700.00	12,759.00	14,563.69	12,644.00	47.88	48.62	80.085	-2,813.31	-368.77	667.89	576.52	91.37	7.310	
14,800.00	12,759.00	14,663.69	12,644.00	48.76	49.52	80.085	-2,913.30	-367.81	667.89	574.01	93.88	7.114	
14,900.00	12,759.00	14,763.69	12,644.00	49.72	50.48	80.085	-3,013.30	-366.84	667.89	571.47	96.42	6.927	
15,000.00	12,759.00	14,863.69	12,644.00	50.75	51.51	80.085	-3,113.29	-365.87	667.88	568.92	98.97	6.749	
15,100.00	12,759.00	14,963.69	12,644.00	51.84	52.59	80.085	-3,213.29	-364.91	667.88	566.35	101.53	6.578	
15,200.00	12,759.00	15,063.69	12,644.00	52.98	53.71	80.085	-3,313.28	-363.94	667.88	563.77	104.11	6.415	
15,300.00	12,759.00	15,163.69	12,644.00	54.15	54.87	80.085	-3,413.28	-362.97	667.87	561.17	106.70	6.259	
15,400.00	12,759.00	15,263.69	12,644.00	55.36	56.05	80.085	-3,513.28	-362.01	667.87	558.56	109.31	6.110	
15,500.00	12,759.00	15,363.69	12,644.00	56.60	57.27	80.085	-3,613.27	-361.04	667.87	555.94	111.92	5.967	
15,600.00	12,759.00	15,463.69	12,644.00	57.85	58.51	80.085	-3,713.27	-360.08	667.86	553.31	114.55	5.830	
15,700.00	12,759.00	15,563.69	12,644.00	59.13	59.76	80.085	-3,813.26	-359.11	667.86	550.67	117.19	5.699	
15,800.00	12,759.00	15,663.69	12,644.00	60.42	61.03	80.085	-3,913.26	-358.14	667.85	548.02	119.83	5.573	
15,900.00	12,759.00	15,763.69	12,644.00	61.72	62.32	80.085	-4,013.25	-357.18	667.85	545.36	122.49	5.452	
16,000.00	12,759.00	15,863.69	12,644.00	63.04	63.61	80.085	-4,113.25	-356.21	667.85	542.70	125.15	5.336	
16,100.00	12,759.00	15,963.69	12,644.00	64.36	64.92	80.084	-4,213.24	-355.25	667.84	540.02	127.82	5.225	
16,200.00	12,759.00	16,063.69	12,644.00	65.69	66.24	80.084	-4,313.24	-354.28	667.84	537.34	130.50	5.118	
16,300.00	12,759.00	16,163.69	12,644.00	67.03	67.56	80.084	-4,413.23	-353.31	667.84	534.65	133.18	5.014	
16,400.00	12,759.00	16,263.69	12,644.00	68.37	68.89	80.084	-4,513.23	-352.35	667.83	531.96	135.88	4.915	
16,500.00	12,759.00	16,363.69	12,644.00	69.73	70.23	80.084	-4,613.22	-351.38	667.83	529.26	138.57	4.819	
16,600.00	12,759.00	16,463.69	12,644.00	71.08	71.58	80.084	-4,713.22	-350.41	667.83	526.55	141.28	4.727	
16,700.00	12,759.00	16,563.69	12,644.00	72.44	72.93	80.084	-4,813.21	-349.45	667.82	523.84	143.98	4.638	
16,800.00	12,759.00	16,663.69	12,644.00	73.81	74.28	80.084	-4,913.21	-348.48	667.82	521.12	146.70	4.552	
16,900.00	12,759.00	16,763.69	12,644.00	75.18	75.64	80.084	-5,013.21	-347.52	667.81	518.40	149.42	4.469	
17,000.00	12,759.00	16,863.69	12,644.00	76.55	77.00	80.084	-5,113.20	-346.55	667.81	515.67	152.14	4.389	
17,100.00	12,759.00	16,963.69	12,644.00	77.92	78.36	80.084	-5,213.20	-345.58	667.81	512.94	154.87	4.312	
17,200.00	12,759.00	17,063.69	12,644.00	79.30	79.73	80.084	-5,313.19	-344.62	667.80	510.21	157.60	4.237	
17,300.00	12,759.00	17,163.69	12,644.00	80.68	81.11	80.084	-5,413.19	-343.65	667.80	507.47	160.33	4.165	
17,400.00	12,759.00	17,263.69	12,644.00	82.07	82.48	80.084	-5,513.18	-342.69	667.80	504.73	163.07	4.095	
17,500.00	12,759.00	17,363.69	12,644.00	83.45	83.86	80.084	-5,613.18	-341.72	667.79	501.98	165.81	4.027	
17,600.00	12,759.00	17,463.69	12,644.00	84.84	85.24	80.084	-5,713.17	-340.75	667.79	499.23	168.56	3.962	
17,700.00	12,759.00	17,563.69	12,644.00	86.23	86.62	80.084	-5,813.17	-339.79	667.79	496.48	171.31	3.898	
17,800.00	12,759.00	17,663.69	12,644.00	87.62	88.00	80.084	-5,913.16	-338.82	667.78	493.72	174.06	3.837	
17,900.00	12,759.00	17,763.69	12,644.00	89.01	89.39	80.083	-6,013.16	-337.86	667.78	490.96	176.81	3.777	
18,000.00	12,759.00	17,863.69	12,644.00	90.41	90.78	80.083	-6,113.15	-336.89	667.77	488.20	179.57	3.719	
18,100.00	12,759.00	17,963.69	12,644.00	91.80	92.17	80.083	-6,213.15	-335.92	667.77	485.44	182.33	3.662	
18,200.00	12,759.00	18,063.69	12,644.00	93.20	93.56	80.083	-6,313.14	-334.96	667.77	482.67	185.09	3.608	
18,300.00	12,759.00	18,163.69	12,644.00	94.60	94.95	80.083	-6,413.14	-333.99	667.76	479.91	187.86	3.555	
18,400.00	12,759.00	18,263.69	12,644.00	96.00	96.35	80.083	-6,513.14	-333.02	667.76	477.14	190.62	3.503	
18,500.00	12,759.00	18,363.69	12,644.00	97.40	97.74	80.083	-6,613.13	-332.06	667.76	474.36	193.39	3.453	
18,600.00	12,759.00	18,463.69	12,644.00	98.81	99.14	80.083	-6,713.13	-331.09	667.75	471.59	196.16	3.404	
18,700.00	12,759.00	18,563.69	12,644.00	100.21	100.54	80.083	-6,813.12	-330.13	667.75	468.81	198.94	3.357	
18,800.00	12,759.00	18,663.69	12,644.00	101.62	101.94	80.083	-6,913.12	-329.16	667.75	466.03	201.71	3.310	
18,900.00	12,759.00	18,763.69	12,644.00	103.02	103.34	80.083	-7,013.11	-328.19	667.74	463.25	204.49	3.265	
19,000.00	12,759.00	18,863.69	12,644.00	104.43	104.74	80.083	-7,113.11	-327.23	667.74	460.47	207.27	3.222	
19,100.00	12,759.00	18,963.69	12,644.00	105.84	106.15	80.083	-7,213.10	-326.26	667.73	457.69	210.05	3.179	
19,200.00	12,759.00	19,063.69	12,644.00	107.24	107.55	80.083	-7,313.10	-325.30	667.73	454.90	212.83	3.137	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 413H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>	<b>Offset</b>	<b>Semi Major Axis</b>		<b>Distance</b>		<b>Rule Assigned:</b>		<b>Warning</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>+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>	
19,300.00	12,759.00	19,163.69	12,644.00	108.65	108.95	80.083	-7,413.09	-324.33	667.73	452.11	215.61	3.097	
19,400.00	12,759.00	19,263.69	12,644.00	110.06	110.36	80.083	-7,513.09	-323.36	667.72	449.32	218.40	3.057	
19,500.00	12,759.00	19,363.69	12,644.00	111.47	111.77	80.083	-7,613.08	-322.40	667.72	446.53	221.19	3.019	
19,600.00	12,759.00	19,463.69	12,644.00	112.89	113.17	80.083	-7,713.08	-321.43	667.72	443.74	223.97	2.981	
19,700.00	12,759.00	19,563.69	12,644.00	114.30	114.58	80.083	-7,813.08	-320.47	667.71	440.95	226.76	2.945	
19,800.00	12,759.00	19,663.69	12,644.00	115.71	115.99	80.082	-7,913.07	-319.50	667.71	438.16	229.55	2.909	
19,900.00	12,759.00	19,763.69	12,644.00	117.12	117.40	80.082	-8,013.07	-318.53	667.71	435.36	232.34	2.874	
20,000.00	12,759.00	19,863.69	12,644.00	118.54	118.81	80.082	-8,113.06	-317.57	667.70	432.56	235.14	2.840	
20,100.00	12,759.00	19,963.69	12,644.00	119.95	120.22	80.082	-8,213.06	-316.60	667.70	429.77	237.93	2.806	
20,200.00	12,759.00	20,063.69	12,644.00	121.37	121.63	80.082	-8,313.05	-315.63	667.69	426.97	240.73	2.774	
20,300.00	12,759.00	20,163.69	12,644.00	122.78	123.04	80.082	-8,413.05	-314.67	667.69	424.17	243.52	2.742	
20,400.00	12,759.00	20,263.69	12,644.00	124.20	124.46	80.082	-8,513.04	-313.70	667.69	421.37	246.32	2.711	
20,500.00	12,759.00	20,363.69	12,644.00	125.61	125.87	80.082	-8,613.04	-312.74	667.68	418.56	249.12	2.680	
20,600.00	12,759.00	20,463.69	12,644.00	127.03	127.28	80.082	-8,713.03	-311.77	667.68	415.76	251.92	2.650	
20,700.00	12,759.00	20,563.69	12,644.00	128.45	128.70	80.082	-8,813.03	-310.80	667.68	412.96	254.72	2.621	
20,800.00	12,759.00	20,663.69	12,644.00	129.87	130.11	80.082	-8,913.02	-309.84	667.67	410.15	257.52	2.593	
20,900.00	12,759.00	20,763.69	12,644.00	131.29	131.53	80.082	-9,013.02	-308.87	667.67	407.35	260.32	2.565	
21,000.00	12,759.00	20,863.69	12,644.00	132.70	132.94	80.082	-9,113.01	-307.91	667.66	404.54	263.12	2.537	
21,100.00	12,759.00	20,963.69	12,644.00	134.12	134.36	80.082	-9,213.01	-306.94	667.66	401.73	265.93	2.511	
21,200.00	12,759.00	21,063.69	12,644.00	135.54	135.78	80.082	-9,313.01	-305.97	667.66	398.93	268.73	2.484	
21,300.00	12,759.00	21,163.69	12,644.00	136.96	137.19	80.082	-9,413.00	-305.01	667.65	396.12	271.54	2.459	
21,400.00	12,759.00	21,263.69	12,644.00	138.38	138.61	80.082	-9,513.00	-304.04	667.65	393.31	274.34	2.434	
21,500.00	12,759.00	21,363.69	12,644.00	139.80	140.03	80.082	-9,612.99	-303.07	667.65	390.50	277.15	2.409	
21,600.00	12,759.00	21,463.69	12,644.00	141.22	141.45	80.081	-9,712.99	-302.11	667.64	387.68	279.96	2.385	
21,700.00	12,759.00	21,563.69	12,644.00	142.65	142.87	80.081	-9,812.98	-301.14	667.64	384.87	282.77	2.361	
21,800.00	12,759.00	21,663.69	12,644.00	144.07	144.29	80.081	-9,912.98	-300.18	667.64	382.06	285.58	2.338	
21,900.00	12,759.00	21,763.69	12,644.00	145.49	145.70	80.081	-10,012.97	-299.21	667.63	379.25	288.38	2.315	
22,000.00	12,759.00	21,863.69	12,644.00	146.91	147.12	80.081	-10,112.97	-298.24	667.63	376.43	291.19	2.293	
22,100.00	12,759.00	21,963.69	12,644.00	148.33	148.54	80.081	-10,212.96	-297.28	667.62	373.62	294.01	2.271	
22,125.24	12,759.00	21,988.93	12,644.00	148.69	148.90	80.081	-10,238.20	-297.03	667.62	372.91	294.71	2.265 SF	





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 432H - OH - Plan 1 08-31-22														<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM														<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Rule Assigned:</b>		<b>Warning</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>+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>		
0.00	0.00	0.00	1.00	1.00	1.00	-90.468	-10.04	-1,230.17	1,230.21					
100.00	100.00	99.00	100.00	1.08	1.08	-90.468	-10.04	-1,230.17	1,230.21	1,228.04	2.17	567.785		
200.00	200.00	199.00	200.00	1.60	1.59	-90.468	-10.04	-1,230.17	1,230.21	1,227.02	3.19	385.554		
300.00	300.00	299.00	300.00	2.01	2.01	-90.468	-10.04	-1,230.17	1,230.21	1,226.20	4.01	306.412		
400.00	400.00	399.00	400.00	2.35	2.35	-90.468	-10.04	-1,230.17	1,230.21	1,225.51	4.70	261.653		
500.00	500.00	499.00	500.00	2.65	2.65	-90.468	-10.04	-1,230.17	1,230.21	1,224.91	5.31	231.890		
600.00	600.00	599.00	600.00	2.93	2.92	-90.468	-10.04	-1,230.17	1,230.21	1,224.36	5.85	210.250		
700.00	700.00	699.00	700.00	3.18	3.18	-90.468	-10.04	-1,230.17	1,230.21	1,223.86	6.35	193.594		
800.00	800.00	799.00	800.00	3.41	3.41	-90.468	-10.04	-1,230.17	1,230.21	1,223.39	6.82	180.254		
900.00	900.00	899.00	900.00	3.64	3.63	-90.468	-10.04	-1,230.17	1,230.21	1,222.94	7.27	169.255		
1,000.00	1,000.00	999.00	1,000.00	3.85	3.84	-90.468	-10.04	-1,230.17	1,230.21	1,222.52	7.69	159.978		
1,100.00	1,100.00	1,099.00	1,100.00	4.05	4.05	-90.468	-10.04	-1,230.17	1,230.21	1,222.12	8.09	152.015		
1,200.00	1,200.00	1,199.00	1,200.00	4.24	4.24	-90.468	-10.04	-1,230.17	1,230.21	1,221.73	8.48	145.081		
1,300.00	1,300.00	1,299.00	1,300.00	4.43	4.43	-90.468	-10.04	-1,230.17	1,230.21	1,221.36	8.85	138.968		
1,400.00	1,400.00	1,399.00	1,400.00	4.61	4.61	-90.468	-10.04	-1,230.17	1,230.21	1,221.00	9.21	133.527		
1,500.00	1,500.00	1,499.00	1,500.00	4.78	4.78	-90.468	-10.04	-1,230.17	1,230.21	1,220.65	9.56	128.641		
1,600.00	1,599.98	1,618.90	1,619.86	4.98	5.00	112.127	-12.30	-1,229.19	1,230.07	1,220.23	9.84	125.031		
1,631.38	1,631.33	1,651.64	1,652.57	5.17	5.03	112.123	-13.63	-1,228.62	1,230.01	1,220.08	9.92	123.962 CC		
1,699.91	1,699.74	1,720.16	1,721.03	5.60	5.11	112.158	-16.41	-1,227.41	1,230.32	1,220.19	10.12	121.533		
1,800.00	1,799.59	1,820.22	1,820.99	5.91	5.27	112.268	-20.48	-1,225.65	1,231.22	1,220.81	10.41	118.266		
1,900.00	1,899.35	1,920.19	1,920.86	6.08	5.46	112.379	-24.55	-1,223.89	1,232.13	1,221.44	10.69	115.313		
2,000.00	1,999.11	2,020.15	2,020.73	6.27	5.65	112.489	-28.62	-1,222.13	1,233.04	1,222.08	10.96	112.461		
2,100.00	2,098.86	2,120.12	2,120.60	6.47	5.86	112.600	-32.68	-1,220.37	1,233.96	1,222.71	11.25	109.705		
2,200.00	2,198.62	2,220.09	2,220.47	6.68	6.08	112.710	-36.75	-1,218.61	1,234.88	1,223.35	11.54	107.045		
2,300.00	2,298.38	2,320.06	2,320.33	6.91	6.31	112.819	-40.82	-1,216.84	1,235.81	1,223.98	11.83	104.477		
2,400.00	2,398.13	2,420.03	2,420.20	7.15	6.55	112.929	-44.88	-1,215.08	1,236.74	1,224.62	12.12	101.999		
2,500.00	2,497.89	2,519.99	2,520.07	7.41	6.79	113.039	-48.95	-1,213.32	1,237.68	1,225.25	12.43	99.609		
2,600.00	2,597.65	2,619.96	2,619.94	7.67	7.05	113.148	-53.02	-1,211.56	1,238.62	1,225.89	12.73	97.302		
2,700.00	2,697.40	2,719.93	2,719.81	7.94	7.30	113.257	-57.08	-1,209.80	1,239.57	1,226.53	13.04	95.077		
2,800.00	2,797.16	2,819.90	2,819.68	8.21	7.57	113.366	-61.15	-1,208.04	1,240.51	1,227.17	13.35	92.930		
2,900.00	2,896.92	2,919.86	2,919.55	8.50	7.84	113.475	-65.22	-1,206.28	1,241.47	1,227.81	13.66	90.858		
3,000.00	2,996.67	3,019.83	3,019.42	8.79	8.11	113.584	-69.29	-1,204.52	1,242.43	1,228.45	13.98	88.858		
3,100.00	3,096.43	3,119.80	3,119.29	9.08	8.39	113.692	-73.35	-1,202.76	1,243.39	1,229.09	14.30	86.928		
3,200.00	3,196.19	3,219.77	3,219.16	9.38	8.67	113.801	-77.42	-1,201.00	1,244.36	1,229.73	14.63	85.065		
3,300.00	3,295.94	3,319.73	3,319.03	9.69	8.96	113.909	-81.49	-1,199.24	1,245.33	1,230.37	14.96	83.266		
3,400.00	3,395.70	3,419.70	3,418.90	10.00	9.24	114.017	-85.55	-1,197.48	1,246.31	1,231.02	15.29	81.528		
3,500.00	3,495.46	3,519.67	3,518.77	10.31	9.54	114.125	-89.62	-1,195.72	1,247.29	1,231.67	15.62	79.849		
3,600.00	3,595.21	3,619.64	3,618.64	10.63	9.83	114.233	-93.69	-1,193.95	1,248.27	1,232.32	15.96	78.226		
3,700.00	3,694.97	3,719.60	3,718.51	10.95	10.12	114.340	-97.75	-1,192.19	1,249.26	1,232.97	16.30	76.657		
3,800.00	3,794.73	3,819.57	3,818.38	11.27	10.42	114.447	-101.82	-1,190.43	1,250.26	1,233.62	16.64	75.140		
3,900.00	3,894.48	3,919.54	3,918.24	11.60	10.72	114.555	-105.89	-1,188.67	1,251.26	1,234.27	16.98	73.673		
4,000.00	3,994.24	4,019.51	4,018.11	11.93	11.02	114.662	-109.95	-1,186.91	1,252.26	1,234.93	17.33	72.254		
4,100.00	4,094.00	4,119.48	4,117.98	12.26	11.33	114.769	-114.02	-1,185.15	1,253.27	1,235.59	17.68	70.880		
4,200.00	4,193.75	4,219.44	4,217.85	12.59	11.63	114.875	-118.09	-1,183.39	1,254.28	1,236.24	18.03	69.550		
4,300.00	4,293.51	4,319.41	4,317.72	12.93	11.94	114.982	-122.15	-1,181.63	1,255.29	1,236.91	18.39	68.261		
4,400.00	4,393.27	4,419.38	4,417.59	13.26	12.24	115.088	-126.22	-1,179.87	1,256.31	1,237.57	18.75	67.013		
4,500.00	4,493.02	4,519.35	4,517.46	13.60	12.55	115.194	-130.29	-1,178.11	1,257.34	1,238.23	19.11	65.804		
4,600.00	4,592.78	4,619.31	4,617.33	13.94	12.86	115.300	-134.35	-1,176.35	1,258.37	1,238.90	19.47	64.631		
4,700.00	4,692.54	4,719.28	4,717.20	14.28	13.17	115.406	-138.42	-1,174.59	1,259.40	1,239.57	19.83	63.494		
4,800.00	4,792.29	4,819.25	4,817.07	14.62	13.48	115.512	-142.49	-1,172.83	1,260.44	1,240.24	20.20	62.391		
4,900.00	4,892.05	4,919.22	4,916.94	14.97	13.80	115.617	-146.55	-1,171.06	1,261.48	1,240.91	20.57	61.321		
5,000.00	4,991.81	5,019.18	5,016.81	15.31	14.11	115.722	-150.62	-1,169.30	1,262.53	1,241.58	20.94	60.282		

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 432H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</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>+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>
5,100.00	5,091.56	5,119.15	5,116.68	15.66	14.42	115.827	-154.69	-1,167.54	1,263.58	1,242.26	21.32	59.274	
5,200.00	5,191.32	5,219.12	5,216.55	16.00	14.74	115.932	-158.76	-1,165.78	1,264.63	1,242.94	21.69	58.294	
5,300.00	5,291.08	5,319.09	5,316.42	16.35	15.05	116.037	-162.82	-1,164.02	1,265.69	1,243.62	22.07	57.342	
5,400.00	5,390.83	5,419.05	5,416.28	16.70	15.37	116.142	-166.89	-1,162.26	1,266.75	1,244.30	22.45	56.418	
5,500.00	5,490.59	5,519.02	5,516.15	17.05	15.69	116.246	-170.96	-1,160.50	1,267.82	1,244.99	22.84	55.519	
5,600.00	5,590.35	5,618.99	5,616.02	17.40	16.00	116.350	-175.02	-1,158.74	1,268.89	1,245.67	23.22	54.644	
5,700.00	5,690.10	5,718.96	5,715.89	17.75	16.32	116.454	-179.09	-1,156.98	1,269.97	1,246.36	23.61	53.794	
5,800.00	5,789.86	5,818.92	5,815.76	18.10	16.64	116.558	-183.16	-1,155.22	1,271.05	1,247.05	24.00	52.967	
5,900.00	5,889.62	5,918.89	5,915.63	18.46	16.96	116.662	-187.22	-1,153.46	1,272.13	1,247.74	24.39	52.161	
6,000.00	5,989.37	6,018.86	6,015.50	18.81	17.28	116.765	-191.29	-1,151.70	1,273.22	1,248.44	24.78	51.378	
6,100.00	6,089.13	6,118.83	6,115.37	19.16	17.60	116.869	-195.36	-1,149.94	1,274.31	1,249.14	25.18	50.614	
6,200.00	6,188.89	6,218.80	6,215.24	19.52	17.92	116.972	-199.42	-1,148.17	1,275.41	1,249.84	25.57	49.871	
6,300.00	6,288.64	6,318.76	6,315.11	19.87	18.24	117.075	-203.49	-1,146.41	1,276.51	1,250.54	25.97	49.147	
6,400.00	6,388.40	6,418.73	6,414.98	20.22	18.56	117.178	-207.56	-1,144.65	1,277.62	1,251.24	26.37	48.441	
6,500.00	6,488.16	6,518.70	6,514.85	20.58	18.88	117.280	-211.62	-1,142.89	1,278.72	1,251.95	26.78	47.753	
6,600.00	6,587.91	6,618.67	6,614.72	20.94	19.20	117.383	-215.69	-1,141.13	1,279.84	1,252.65	27.18	47.082	
6,700.00	6,687.67	6,718.63	6,714.59	21.29	19.52	117.485	-219.76	-1,139.37	1,280.95	1,253.36	27.59	46.428	
6,800.00	6,787.43	6,818.60	6,814.46	21.65	19.85	117.587	-223.82	-1,137.61	1,282.08	1,254.08	28.00	45.789	
6,900.00	6,887.18	6,918.57	6,914.32	22.01	20.17	117.689	-227.89	-1,135.85	1,283.20	1,254.79	28.41	45.167	
7,000.00	6,986.94	7,018.54	7,014.19	22.36	20.49	117.791	-231.96	-1,134.09	1,284.33	1,255.51	28.82	44.559	
7,100.00	7,086.70	7,118.50	7,114.06	22.72	20.81	117.893	-236.02	-1,132.33	1,285.46	1,256.23	29.24	43.966	
7,200.00	7,186.45	7,218.47	7,213.93	23.08	21.14	117.994	-240.09	-1,130.57	1,286.60	1,256.95	29.65	43.386	
7,300.00	7,286.21	7,318.44	7,313.80	23.44	21.46	118.095	-244.16	-1,128.81	1,287.74	1,257.67	30.07	42.821	
7,400.00	7,385.97	7,418.41	7,413.67	23.80	21.78	118.196	-248.23	-1,127.05	1,288.89	1,258.39	30.49	42.268	
7,500.00	7,485.72	7,518.37	7,513.54	24.16	22.11	118.297	-252.29	-1,125.28	1,290.04	1,259.12	30.92	41.728	
7,600.00	7,585.48	7,618.34	7,613.41	24.52	22.43	118.398	-256.36	-1,123.52	1,291.19	1,259.85	31.34	41.200	
7,700.00	7,685.24	7,718.31	7,713.28	24.88	22.76	118.498	-260.43	-1,121.76	1,292.35	1,260.58	31.76	40.685	
7,800.00	7,784.99	7,818.28	7,813.15	25.24	23.08	118.598	-264.49	-1,120.00	1,293.51	1,261.32	32.19	40.181	
7,900.00	7,884.75	7,918.24	7,913.02	25.60	23.40	118.699	-268.56	-1,118.24	1,294.67	1,262.05	32.62	39.687	
8,000.00	7,984.51	8,018.21	8,012.89	25.96	23.73	118.799	-272.63	-1,116.48	1,295.84	1,262.79	33.05	39.205	
8,100.00	8,084.26	8,118.18	8,112.76	26.32	24.05	118.898	-276.69	-1,114.72	1,297.02	1,263.53	33.49	38.734	
8,200.00	8,184.02	8,218.15	8,212.63	26.68	24.38	118.998	-280.76	-1,112.96	1,298.19	1,264.27	33.92	38.272	
8,300.00	8,283.78	8,318.12	8,312.50	27.04	24.70	119.097	-284.83	-1,111.20	1,299.37	1,265.02	34.36	37.820	
8,400.00	8,383.53	8,418.08	8,412.37	27.40	25.03	119.197	-288.89	-1,109.44	1,300.56	1,265.76	34.79	37.378	
8,500.00	8,483.29	8,518.05	8,512.23	27.76	25.35	119.296	-292.96	-1,107.68	1,301.75	1,266.51	35.23	36.945	
8,600.00	8,583.05	8,618.02	8,612.10	28.12	25.68	119.394	-297.03	-1,105.92	1,302.94	1,267.26	35.68	36.522	
8,700.00	8,682.80	8,717.99	8,711.97	28.48	26.01	119.493	-301.09	-1,104.16	1,304.14	1,268.02	36.12	36.107	
8,800.00	8,782.56	8,817.95	8,811.84	28.85	26.33	119.592	-305.16	-1,102.39	1,305.34	1,268.77	36.56	35.700	
8,900.00	8,882.32	8,917.92	8,911.71	29.21	26.66	119.690	-309.23	-1,100.63	1,306.54	1,269.53	37.01	35.302	
9,000.00	8,982.07	9,017.89	9,011.58	29.57	26.98	119.788	-313.29	-1,098.87	1,307.75	1,270.29	37.46	34.912	
9,100.00	9,081.83	9,117.86	9,111.45	29.93	27.31	119.886	-317.36	-1,097.11	1,308.96	1,271.05	37.91	34.529	
9,200.00	9,181.59	9,217.82	9,211.32	30.30	27.64	119.984	-321.43	-1,095.35	1,310.18	1,271.82	38.36	34.155	
9,300.00	9,281.34	9,317.79	9,311.19	30.66	27.96	120.081	-325.49	-1,093.59	1,311.40	1,272.58	38.81	33.787	
9,400.00	9,381.10	9,417.76	9,411.06	31.02	28.29	120.179	-329.56	-1,091.83	1,312.62	1,273.35	39.27	33.427	
9,500.00	9,480.86	9,517.73	9,510.93	31.39	28.62	120.276	-333.63	-1,090.07	1,313.85	1,274.12	39.72	33.074	
9,600.00	9,580.61	9,617.69	9,610.80	31.75	28.94	120.373	-337.70	-1,088.31	1,315.08	1,274.90	40.18	32.727	
9,700.00	9,680.37	9,717.66	9,710.67	32.11	29.27	120.470	-341.76	-1,086.55	1,316.31	1,275.67	40.64	32.388	
9,800.00	9,780.13	9,817.63	9,810.54	32.48	29.60	120.567	-345.83	-1,084.79	1,317.55	1,276.45	41.10	32.054	
9,900.00	9,879.88	9,917.60	9,910.41	32.84	29.92	120.663	-349.90	-1,083.03	1,318.79	1,277.23	41.57	31.727	
10,000.00	9,979.64	10,017.57	10,010.27	33.20	30.25	120.760	-353.96	-1,081.27	1,320.04	1,278.01	42.03	31.406	
10,100.00	10,079.39	10,117.53	10,110.14	33.57	30.58	120.856	-358.03	-1,079.50	1,321.29	1,278.79	42.50	31.091	
10,200.00	10,179.15	10,217.50	10,210.01	33.93	30.91	120.952	-362.10	-1,077.74	1,322.54	1,279.58	42.96	30.782	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com (NAD83) - El Campeon Fed Com 432H - OH - Plan 1 08-31-22													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM		Offset			Semi Maior Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,300.00	10,278.91	10,317.47	10,309.88	34.29	31.23	121.047	-366.16	-1,075.98	1,323.80	1,280.37	43.43	30.478			
10,400.00	10,378.66	10,417.44	10,409.75	34.66	31.56	121.143	-370.23	-1,074.22	1,325.06	1,281.16	43.90	30.180			
10,500.00	10,478.42	10,517.40	10,509.62	35.02	31.89	121.238	-374.30	-1,072.46	1,326.33	1,281.95	44.38	29.888			
10,600.00	10,578.18	10,617.37	10,609.49	35.39	32.22	121.334	-378.36	-1,070.70	1,327.59	1,282.74	44.85	29.600			
10,700.00	10,677.93	10,717.34	10,709.36	35.75	32.54	121.429	-382.43	-1,068.94	1,328.87	1,283.54	45.33	29.318			
10,800.00	10,777.69	10,817.31	10,809.23	36.12	32.87	121.524	-386.50	-1,067.18	1,330.14	1,284.34	45.80	29.040			
10,900.00	10,877.45	10,917.27	10,909.10	36.48	33.20	121.618	-390.56	-1,065.42	1,331.42	1,285.14	46.28	28.768			
11,000.00	10,977.20	11,017.24	11,008.97	36.85	33.53	121.713	-394.63	-1,063.66	1,332.70	1,285.94	46.76	28.500			
11,100.00	11,076.96	11,117.21	11,108.84	37.21	33.86	121.807	-398.70	-1,061.90	1,333.99	1,286.75	47.24	28.237			
11,200.00	11,176.72	11,217.18	11,208.71	37.57	34.18	121.901	-402.76	-1,060.14	1,335.28	1,287.55	47.73	27.978			
11,300.00	11,276.47	11,317.14	11,308.58	37.94	34.51	121.995	-406.83	-1,058.38	1,336.57	1,288.36	48.21	27.724			
11,400.00	11,376.23	11,417.11	11,408.45	38.30	34.84	122.089	-410.90	-1,056.61	1,337.87	1,289.17	48.70	27.474			
11,500.00	11,475.99	11,517.08	11,508.32	38.67	35.17	122.183	-414.96	-1,054.85	1,339.17	1,289.99	49.18	27.230			
11,510.34	11,486.30	11,527.41	11,518.64	38.71	35.20	122.192	-415.38	-1,054.67	1,339.31	1,290.08	49.23	27.207			
11,600.00	11,575.83	11,600.00	11,591.17	39.02	35.42	122.251	-417.95	-1,053.56	1,340.06	1,290.50	49.56	27.037			
11,700.00	11,675.80	11,684.64	11,675.80	39.33	35.53	122.287	-418.92	-1,053.14	1,340.52	1,290.71	49.81	26.912			
11,710.24	11,686.04	11,694.88	11,686.04	39.34	35.53	-80.320	-418.92	-1,053.14	1,340.53	1,290.72	49.81	26.911			
11,800.00	11,775.80	11,784.64	11,775.80	39.34	35.53	-80.320	-418.92	-1,053.14	1,340.53	1,290.72	49.81	26.911			
11,900.00	11,875.80	11,884.64	11,875.80	39.35	35.54	-80.320	-418.92	-1,053.14	1,340.53	1,290.71	49.83	26.904			
12,000.00	11,975.80	11,984.64	11,975.80	39.35	35.55	-80.320	-418.92	-1,053.14	1,340.53	1,290.69	49.84	26.897			
12,100.00	12,075.80	12,084.64	12,075.80	39.36	35.55	-80.320	-418.92	-1,053.14	1,340.53	1,290.68	49.85	26.889			
12,200.00	12,175.80	12,189.45	12,180.61	39.36	35.57	-80.324	-419.04	-1,053.14	1,340.52	1,290.65	49.87	26.880			
12,210.24	12,186.04	12,206.96	12,198.11	39.36	35.61	-80.351	-419.66	-1,053.13	1,340.45	1,290.58	49.87	26.878			
12,250.00	12,225.77	12,274.49	12,265.19	39.43	35.94	100.040	-427.05	-1,053.06	1,339.93	1,290.08	49.84	26.882			
12,300.00	12,275.43	12,357.79	12,346.01	39.69	36.45	99.699	-446.94	-1,052.87	1,338.82	1,289.12	49.70	26.940			
12,350.00	12,324.42	12,438.52	12,420.79	39.98	36.96	99.225	-477.19	-1,052.57	1,337.28	1,287.85	49.44	27.051			
12,400.00	12,372.35	12,516.06	12,487.93	40.29	37.43	98.644	-515.86	-1,052.19	1,335.42	1,286.32	49.10	27.200			
12,450.00	12,418.86	12,590.06	12,546.58	40.60	37.86	97.980	-560.89	-1,051.75	1,333.33	1,284.59	48.74	27.357			
12,500.00	12,463.61	12,660.38	12,596.50	40.91	38.23	97.256	-610.35	-1,051.27	1,331.14	1,282.72	48.41	27.496			
12,550.00	12,506.24	12,727.08	12,637.92	41.22	38.53	96.492	-662.58	-1,050.76	1,328.94	1,280.77	48.16	27.591			
12,600.00	12,546.43	12,790.32	12,671.34	41.50	38.79	95.701	-716.23	-1,050.23	1,326.83	1,278.80	48.03	27.628			
12,650.00	12,583.88	12,850.34	12,697.41	41.78	38.99	94.894	-770.26	-1,049.70	1,324.88	1,276.87	48.02	27.592			
12,700.00	12,618.30	12,907.42	12,716.83	42.03	39.14	94.077	-823.91	-1,049.18	1,323.16	1,275.01	48.15	27.478			
12,750.00	12,649.43	12,961.85	12,730.29	42.27	39.25	93.256	-876.61	-1,048.66	1,321.72	1,273.29	48.43	27.290			
12,800.00	12,677.04	13,013.89	12,738.43	42.47	39.33	92.433	-928.00	-1,048.16	1,320.58	1,271.73	48.85	27.033			
12,850.00	12,700.91	13,063.82	12,741.83	42.66	39.38	91.612	-977.79	-1,047.67	1,319.76	1,270.36	49.40	26.718			
12,900.00	12,720.86	13,110.66	12,742.00	42.81	39.40	90.854	-1,024.63	-1,047.21	1,319.29	1,269.20	50.09	26.340			
12,950.00	12,736.74	13,158.05	12,742.00	42.94	39.43	90.217	-1,072.02	-1,046.75	1,319.12	1,268.26	50.86	25.937			
12,973.97	12,742.87	13,181.22	12,742.00	42.99	39.45	89.961	-1,095.19	-1,046.52	1,319.11	1,267.86	51.25	25.741			
13,000.00	12,748.43	13,206.65	12,742.00	43.04	39.46	89.724	-1,120.61	-1,046.28	1,319.12	1,267.44	51.68	25.526			
13,050.00	12,755.84	13,256.08	12,742.00	43.11	39.50	89.401	-1,170.04	-1,045.79	1,319.17	1,266.61	52.56	25.100			
13,100.00	12,758.91	13,305.97	12,742.00	43.15	39.54	89.266	-1,219.93	-1,045.30	1,319.19	1,265.72	53.47	24.670			
13,110.24	12,759.00	13,316.21	12,742.00	43.16	39.55	89.262	-1,230.17	-1,045.20	1,319.19	1,265.53	53.67	24.581			
13,200.00	12,759.00	13,405.97	12,742.00	43.21	39.63	89.262	-1,319.93	-1,044.33	1,319.18	1,263.77	55.41	23.809			
13,300.00	12,759.00	13,505.97	12,742.00	43.28	39.74	89.262	-1,419.92	-1,043.35	1,319.16	1,261.74	57.43	22.972			
13,400.00	12,759.00	13,605.97	12,742.00	43.36	39.87	89.262	-1,519.92	-1,042.37	1,319.15	1,259.63	59.51	22.165			
13,500.00	12,759.00	13,705.97	12,742.00	43.45	40.02	89.262	-1,619.91	-1,041.39	1,319.13	1,257.46	61.67	21.391			
13,600.00	12,759.00	13,805.97	12,742.00	43.56	40.20	89.262	-1,719.91	-1,040.41	1,319.12	1,255.24	63.88	20.651			
13,700.00	12,759.00	13,905.97	12,742.00	43.70	40.43	89.262	-1,819.90	-1,039.43	1,319.10	1,252.96	66.13	19.946			
13,800.00	12,759.00	14,005.97	12,742.00	43.86	40.70	89.262	-1,919.90	-1,038.45	1,319.08	1,250.64	68.44	19.273			
13,900.00	12,759.00	14,105.97	12,742.00	44.05	41.02	89.262	-2,019.89	-1,037.48	1,319.07	1,248.28	70.79	18.634			
14,000.00	12,759.00	14,205.97	12,742.00	44.28	41.42	89.262	-2,119.89	-1,036.50	1,319.05	1,245.88	73.17	18.027			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com (NAD83) - El Campeon Fed Com 432H - OH - Plan 1 08-31-22													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM		Offset			Semi Maior Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,100.00	12,759.00	14,305.97	12,742.00	44.57	41.90	89.262	-2,219.88	-1,035.52	1,319.04	1,243.45	75.59	17.450			
14,200.00	12,759.00	14,405.97	12,742.00	44.91	42.46	89.262	-2,319.88	-1,034.54	1,319.02	1,240.98	78.04	16.902			
14,300.00	12,759.00	14,505.97	12,742.00	45.32	43.13	89.262	-2,419.87	-1,033.56	1,319.00	1,238.49	80.52	16.382			
14,400.00	12,759.00	14,605.97	12,742.00	45.81	43.89	89.262	-2,519.87	-1,032.58	1,318.99	1,235.97	83.02	15.888			
14,500.00	12,759.00	14,705.97	12,742.00	46.40	44.75	89.262	-2,619.86	-1,031.61	1,318.97	1,233.43	85.54	15.418			
14,600.00	12,759.00	14,805.97	12,742.00	47.09	45.69	89.261	-2,719.86	-1,030.63	1,318.96	1,230.86	88.09	14.973			
14,700.00	12,759.00	14,905.97	12,742.00	47.88	46.70	89.261	-2,819.85	-1,029.65	1,318.94	1,228.28	90.66	14.549			
14,800.00	12,759.00	15,005.97	12,742.00	48.76	47.77	89.261	-2,919.85	-1,028.67	1,318.92	1,225.68	93.24	14.145			
14,900.00	12,759.00	15,105.97	12,742.00	49.72	48.90	89.261	-3,019.85	-1,027.69	1,318.91	1,223.07	95.84	13.761			
15,000.00	12,759.00	15,205.97	12,742.00	50.75	50.06	89.261	-3,119.84	-1,026.71	1,318.89	1,220.43	98.46	13.395			
15,100.00	12,759.00	15,305.97	12,742.00	51.84	51.26	89.261	-3,219.84	-1,025.74	1,318.88	1,217.79	101.09	13.047			
15,200.00	12,759.00	15,405.97	12,742.00	52.98	52.48	89.261	-3,319.83	-1,024.76	1,318.86	1,215.13	103.73	12.714			
15,300.00	12,759.00	15,505.97	12,742.00	54.15	53.73	89.261	-3,419.83	-1,023.78	1,318.84	1,212.46	106.39	12.397			
15,400.00	12,759.00	15,605.97	12,742.00	55.36	55.00	89.261	-3,519.82	-1,022.80	1,318.83	1,209.78	109.05	12.094			
15,500.00	12,759.00	15,705.97	12,742.00	56.60	56.28	89.261	-3,619.82	-1,021.82	1,318.81	1,207.09	111.73	11.804			
15,600.00	12,759.00	15,805.97	12,742.00	57.85	57.58	89.261	-3,719.81	-1,020.84	1,318.80	1,204.39	114.41	11.527			
15,700.00	12,759.00	15,905.97	12,742.00	59.13	58.89	89.261	-3,819.81	-1,019.87	1,318.78	1,201.68	117.11	11.261			
15,800.00	12,759.00	16,005.97	12,742.00	60.42	60.20	89.261	-3,919.80	-1,018.89	1,318.77	1,198.96	119.81	11.007			
15,900.00	12,759.00	16,105.97	12,742.00	61.72	61.53	89.261	-4,019.80	-1,017.91	1,318.75	1,196.23	122.52	10.764			
16,000.00	12,759.00	16,205.97	12,742.00	63.04	62.87	89.261	-4,119.79	-1,016.93	1,318.73	1,193.50	125.24	10.530			
16,100.00	12,759.00	16,305.97	12,742.00	64.36	64.21	89.261	-4,219.79	-1,015.95	1,318.72	1,190.76	127.96	10.306			
16,200.00	12,759.00	16,405.97	12,742.00	65.69	65.55	89.261	-4,319.78	-1,014.97	1,318.70	1,188.01	130.69	10.090			
16,300.00	12,759.00	16,505.97	12,742.00	67.03	66.91	89.261	-4,419.78	-1,014.00	1,318.69	1,185.26	133.43	9.883			
16,400.00	12,759.00	16,605.97	12,742.00	68.37	68.27	89.261	-4,519.77	-1,013.02	1,318.67	1,182.50	136.17	9.684			
16,500.00	12,759.00	16,705.97	12,742.00	69.73	69.63	89.261	-4,619.77	-1,012.04	1,318.65	1,179.74	138.91	9.493			
16,600.00	12,759.00	16,805.97	12,742.00	71.08	70.99	89.261	-4,719.76	-1,011.06	1,318.64	1,176.97	141.67	9.308			
16,700.00	12,759.00	16,905.97	12,742.00	72.44	72.36	89.261	-4,819.76	-1,010.08	1,318.62	1,174.20	144.42	9.130			
16,800.00	12,759.00	17,005.97	12,742.00	73.81	73.74	89.261	-4,919.75	-1,009.10	1,318.61	1,171.42	147.19	8.959			
16,900.00	12,759.00	17,105.97	12,742.00	75.18	75.11	89.261	-5,019.75	-1,008.13	1,318.59	1,168.64	149.95	8.794			
17,000.00	12,759.00	17,205.97	12,742.00	76.55	76.49	89.261	-5,119.74	-1,007.15	1,318.57	1,165.85	152.72	8.634			
17,100.00	12,759.00	17,305.97	12,742.00	77.92	77.88	89.261	-5,219.74	-1,006.17	1,318.56	1,163.07	155.49	8.480			
17,200.00	12,759.00	17,405.97	12,742.00	79.30	79.26	89.261	-5,319.74	-1,005.19	1,318.54	1,160.27	158.27	8.331			
17,300.00	12,759.00	17,505.97	12,742.00	80.68	80.65	89.261	-5,419.73	-1,004.21	1,318.53	1,157.48	161.05	8.187			
17,400.00	12,759.00	17,605.97	12,742.00	82.07	82.03	89.261	-5,519.73	-1,003.23	1,318.51	1,154.68	163.83	8.048			
17,500.00	12,759.00	17,705.97	12,742.00	83.45	83.42	89.261	-5,619.72	-1,002.26	1,318.49	1,151.88	166.62	7.913			
17,600.00	12,759.00	17,805.97	12,742.00	84.84	84.82	89.261	-5,719.72	-1,001.28	1,318.48	1,149.07	169.41	7.783			
17,700.00	12,759.00	17,905.97	12,742.00	86.23	86.21	89.261	-5,819.71	-1,000.30	1,318.46	1,146.26	172.20	7.657			
17,800.00	12,759.00	18,005.97	12,742.00	87.62	87.61	89.261	-5,919.71	-999.32	1,318.45	1,143.45	174.99	7.534			
17,900.00	12,759.00	18,105.97	12,742.00	89.01	89.00	89.261	-6,019.70	-998.34	1,318.43	1,140.64	177.79	7.416			
18,000.00	12,759.00	18,205.97	12,742.00	90.41	90.40	89.261	-6,119.70	-997.36	1,318.41	1,137.83	180.59	7.301			
18,100.00	12,759.00	18,305.97	12,742.00	91.80	91.80	89.261	-6,219.69	-996.39	1,318.40	1,135.01	183.39	7.189			
18,200.00	12,759.00	18,405.97	12,742.00	93.20	93.20	89.261	-6,319.69	-995.41	1,318.38	1,132.19	186.19	7.081			
18,300.00	12,759.00	18,505.97	12,742.00	94.60	94.61	89.261	-6,419.68	-994.43	1,318.37	1,129.37	189.00	6.975			
18,400.00	12,759.00	18,605.97	12,742.00	96.00	96.01	89.261	-6,519.68	-993.45	1,318.35	1,126.54	191.81	6.873			
18,500.00	12,759.00	18,705.97	12,742.00	97.40	97.41	89.261	-6,619.67	-992.47	1,318.34	1,123.72	194.62	6.774			
18,600.00	12,759.00	18,805.97	12,742.00	98.81	98.82	89.261	-6,719.67	-991.49	1,318.32	1,120.89	197.43	6.677			
18,700.00	12,759.00	18,905.97	12,742.00	100.21	100.23	89.261	-6,819.66	-990.52	1,318.30	1,118.06	200.24	6.584			
18,800.00	12,759.00	19,005.97	12,742.00	101.62	101.63	89.261	-6,919.66	-989.54	1,318.29	1,115.23	203.06	6.492			
18,900.00	12,759.00	19,105.97	12,742.00	103.02	103.04	89.261	-7,019.65	-988.56	1,318.27	1,112.40	205.87	6.403			
19,000.00	12,759.00	19,205.97	12,742.00	104.43	104.45	89.261	-7,119.65	-987.58	1,318.26	1,109.57	208.69	6.317			
19,100.00	12,759.00	19,305.97	12,742.00	105.84	105.86	89.261	-7,219.64	-986.60	1,318.24	1,106.73	211.51	6.233			
19,200.00	12,759.00	19,405.97	12,742.00	107.24	107.27	89.261	-7,319.64	-985.62	1,318.22	1,103.89	214.33	6.150			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 432H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
19,300.00	12,759.00	19,505.97	12,742.00	108.65	108.68	89.261	-7,419.63	-984.65	1,318.21	1,101.06	217.15	6.070	
19,400.00	12,759.00	19,605.97	12,742.00	110.06	110.10	89.261	-7,519.63	-983.67	1,318.19	1,098.22	219.98	5.992	
19,500.00	12,759.00	19,705.97	12,742.00	111.47	111.51	89.261	-7,619.62	-982.69	1,318.18	1,095.38	222.80	5.916	
19,600.00	12,759.00	19,805.97	12,742.00	112.89	112.92	89.261	-7,719.62	-981.71	1,318.16	1,092.53	225.63	5.842	
19,700.00	12,759.00	19,905.97	12,742.00	114.30	114.34	89.261	-7,819.62	-980.73	1,318.14	1,089.69	228.45	5.770	
19,800.00	12,759.00	20,005.97	12,742.00	115.71	115.75	89.261	-7,919.61	-979.75	1,318.13	1,086.85	231.28	5.699	
19,900.00	12,759.00	20,105.97	12,742.00	117.12	117.17	89.261	-8,019.61	-978.78	1,318.11	1,084.00	234.11	5.630	
20,000.00	12,759.00	20,205.97	12,742.00	118.54	118.58	89.261	-8,119.60	-977.80	1,318.10	1,081.16	236.94	5.563	
20,100.00	12,759.00	20,305.97	12,742.00	119.95	120.00	89.261	-8,219.60	-976.82	1,318.08	1,078.31	239.77	5.497	
20,200.00	12,759.00	20,405.97	12,742.00	121.37	121.41	89.261	-8,319.59	-975.84	1,318.06	1,075.46	242.60	5.433	
20,300.00	12,759.00	20,505.97	12,742.00	122.78	122.83	89.261	-8,419.59	-974.86	1,318.05	1,072.61	245.44	5.370	
20,400.00	12,759.00	20,605.97	12,742.00	124.20	124.25	89.261	-8,519.58	-973.88	1,318.03	1,069.76	248.27	5.309	
20,500.00	12,759.00	20,705.97	12,742.00	125.61	125.67	89.261	-8,619.58	-972.91	1,318.02	1,066.91	251.10	5.249	
20,600.00	12,759.00	20,805.97	12,742.00	127.03	127.09	89.261	-8,719.57	-971.93	1,318.00	1,064.06	253.94	5.190	
20,700.00	12,759.00	20,905.97	12,742.00	128.45	128.50	89.261	-8,819.57	-970.95	1,317.99	1,061.21	256.78	5.133	
20,800.00	12,759.00	21,005.97	12,742.00	129.87	129.92	89.261	-8,919.56	-969.97	1,317.97	1,058.36	259.61	5.077	
20,900.00	12,759.00	21,105.97	12,742.00	131.29	131.34	89.261	-9,019.56	-968.99	1,317.95	1,055.50	262.45	5.022	
21,000.00	12,759.00	21,205.97	12,742.00	132.70	132.76	89.261	-9,119.55	-968.01	1,317.94	1,052.65	265.29	4.968	
21,100.00	12,759.00	21,305.97	12,742.00	134.12	134.18	89.261	-9,219.55	-967.04	1,317.92	1,049.79	268.13	4.915	
21,200.00	12,759.00	21,405.97	12,742.00	135.54	135.60	89.261	-9,319.54	-966.06	1,317.91	1,046.94	270.97	4.864	
21,300.00	12,759.00	21,505.97	12,742.00	136.96	137.03	89.261	-9,419.54	-965.08	1,317.89	1,044.08	273.81	4.813	
21,400.00	12,759.00	21,605.97	12,742.00	138.38	138.45	89.261	-9,519.53	-964.10	1,317.87	1,041.22	276.65	4.764	
21,500.00	12,759.00	21,705.97	12,742.00	139.80	139.87	89.261	-9,619.53	-963.12	1,317.86	1,038.36	279.49	4.715	
21,600.00	12,759.00	21,805.97	12,742.00	141.22	141.29	89.261	-9,719.52	-962.14	1,317.84	1,035.51	282.34	4.668	
21,700.00	12,759.00	21,905.97	12,742.00	142.65	142.71	89.261	-9,819.52	-961.17	1,317.83	1,032.65	285.18	4.621	
21,800.00	12,759.00	22,005.97	12,742.00	144.07	144.14	89.261	-9,919.51	-960.19	1,317.81	1,029.79	288.02	4.575	
21,900.00	12,759.00	22,105.97	12,742.00	145.49	145.56	89.261	-10,019.51	-959.21	1,317.79	1,026.93	290.87	4.531	
22,000.00	12,759.00	22,205.97	12,742.00	146.91	146.98	89.261	-10,119.51	-958.23	1,317.78	1,024.07	293.71	4.487	
22,100.00	12,759.00	22,305.97	12,742.00	148.33	148.41	89.261	-10,219.50	-957.25	1,317.76	1,021.20	296.56	4.444	
22,125.24	12,759.00	22,331.21	12,742.00	148.69	148.76	89.261	-10,244.74	-957.01	1,317.76	1,020.48	297.28	4.433 ES, SF	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 512H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Rule Assigned:</b>													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	1.00	1.00	1.00	-90.466	-10.26	-1,260.17	1,260.21				
100.00	100.00	99.00	100.00	1.08	1.08	-90.466	-10.26	-1,260.17	1,260.21	1,258.05	2.17	581.631	
200.00	200.00	199.00	200.00	1.60	1.59	-90.466	-10.26	-1,260.17	1,260.21	1,257.02	3.19	394.956	
300.00	300.00	299.00	300.00	2.01	2.01	-90.466	-10.26	-1,260.17	1,260.21	1,256.20	4.01	313.884	
400.00	400.00	399.00	400.00	2.35	2.35	-90.466	-10.26	-1,260.17	1,260.21	1,255.51	4.70	268.034	
500.00	500.00	499.00	500.00	2.65	2.65	-90.466	-10.26	-1,260.17	1,260.21	1,254.91	5.31	237.545	
600.00	600.00	599.00	600.00	2.93	2.92	-90.466	-10.26	-1,260.17	1,260.21	1,254.36	5.85	215.378	
700.00	700.00	699.00	700.00	3.18	3.18	-90.466	-10.26	-1,260.17	1,260.21	1,253.86	6.35	198.315	
800.00	800.00	799.00	800.00	3.41	3.41	-90.466	-10.26	-1,260.17	1,260.21	1,253.39	6.82	184.650	
900.00	900.00	899.00	900.00	3.64	3.63	-90.466	-10.26	-1,260.17	1,260.21	1,252.94	7.27	173.382	
1,000.00	1,000.00	999.00	1,000.00	3.85	3.84	-90.466	-10.26	-1,260.17	1,260.21	1,252.52	7.69	163.880	
1,100.00	1,100.00	1,099.00	1,100.00	4.05	4.05	-90.466	-10.26	-1,260.17	1,260.21	1,252.12	8.09	155.723	
1,200.00	1,200.00	1,199.00	1,200.00	4.24	4.24	-90.466	-10.26	-1,260.17	1,260.21	1,251.73	8.48	148.619	
1,300.00	1,300.00	1,299.00	1,300.00	4.43	4.43	-90.466	-10.26	-1,260.17	1,260.21	1,251.36	8.85	142.357	
1,400.00	1,400.00	1,399.00	1,400.00	4.61	4.61	-90.466	-10.26	-1,260.17	1,260.21	1,251.00	9.21	136.783	
1,500.00	1,500.00	1,499.00	1,500.00	4.78	4.78	-90.466	-10.26	-1,260.17	1,260.21	1,250.65	9.56	131.778 CC, ES	
1,600.00	1,599.98	1,580.85	1,581.84	4.98	4.94	112.130	-11.25	-1,260.74	1,261.58	1,251.76	9.82	128.473	
1,699.91	1,699.74	1,667.74	1,668.65	5.60	5.07	112.108	-14.37	-1,262.56	1,265.65	1,255.56	10.09	125.398	
1,800.00	1,799.59	1,767.67	1,768.47	5.91	5.21	112.212	-18.55	-1,264.99	1,270.75	1,260.39	10.36	122.662	
1,900.00	1,899.35	1,867.52	1,868.19	6.08	5.38	112.315	-22.71	-1,267.42	1,275.84	1,265.21	10.63	119.973	
2,000.00	1,999.11	1,967.36	1,967.92	6.27	5.57	112.417	-26.88	-1,269.84	1,280.94	1,270.02	10.92	117.309	
2,100.00	2,098.86	2,067.20	2,067.65	6.47	5.78	112.519	-31.05	-1,272.27	1,286.05	1,274.84	11.21	114.721	
2,200.00	2,198.62	2,167.05	2,167.38	6.68	5.99	112.619	-35.22	-1,274.69	1,291.16	1,279.65	11.51	112.212	
2,300.00	2,298.38	2,266.89	2,267.10	6.91	6.22	112.719	-39.39	-1,277.12	1,296.27	1,284.46	11.81	109.783	
2,400.00	2,398.13	2,366.74	2,366.83	7.15	6.46	112.818	-43.55	-1,279.54	1,301.39	1,289.27	12.11	107.435	
2,500.00	2,497.89	2,466.58	2,466.56	7.41	6.70	112.916	-47.72	-1,281.97	1,306.51	1,294.08	12.42	105.166	
2,600.00	2,597.65	2,566.42	2,566.29	7.67	6.96	113.014	-51.89	-1,284.39	1,311.63	1,298.89	12.74	102.976	
2,700.00	2,697.40	2,666.27	2,666.01	7.94	7.22	113.111	-56.06	-1,286.82	1,316.76	1,303.70	13.05	100.863	
2,800.00	2,797.16	2,766.11	2,765.74	8.21	7.48	113.207	-60.23	-1,289.24	1,321.89	1,308.51	13.38	98.826	
2,900.00	2,896.92	2,865.95	2,865.47	8.50	7.76	113.302	-64.39	-1,291.67	1,327.02	1,313.32	13.70	96.863	
3,000.00	2,996.67	2,965.80	2,965.20	8.79	8.03	113.397	-68.56	-1,294.09	1,332.16	1,318.14	14.03	94.970	
3,100.00	3,096.43	3,065.64	3,064.92	9.08	8.32	113.490	-72.73	-1,296.52	1,337.30	1,322.95	14.36	93.146	
3,200.00	3,196.19	3,165.49	3,164.65	9.38	8.60	113.584	-76.90	-1,298.94	1,342.45	1,327.76	14.69	91.388	
3,300.00	3,295.94	3,265.33	3,264.38	9.69	8.89	113.676	-81.07	-1,301.37	1,347.60	1,332.58	15.02	89.694	
3,400.00	3,395.70	3,365.17	3,364.10	10.00	9.18	113.768	-85.24	-1,303.79	1,352.75	1,337.39	15.36	88.061	
3,500.00	3,495.46	3,465.02	3,463.83	10.31	9.48	113.859	-89.40	-1,306.22	1,357.91	1,342.21	15.70	86.487	
3,600.00	3,595.21	3,564.86	3,563.56	10.63	9.77	113.949	-93.57	-1,308.64	1,363.07	1,347.03	16.04	84.969	
3,700.00	3,694.97	3,664.70	3,663.29	10.95	10.08	114.039	-97.74	-1,311.06	1,368.23	1,351.85	16.38	83.505	
3,800.00	3,794.73	3,764.55	3,763.01	11.27	10.38	114.128	-101.91	-1,313.49	1,373.40	1,356.67	16.73	82.093	
3,900.00	3,894.48	3,864.39	3,862.74	11.60	10.68	114.216	-106.08	-1,315.91	1,378.57	1,361.49	17.08	80.730	
4,000.00	3,994.24	3,964.24	3,962.47	11.93	10.99	114.303	-110.24	-1,318.34	1,383.74	1,366.32	17.42	79.415	
4,100.00	4,094.00	4,064.08	4,062.20	12.26	11.30	114.390	-114.41	-1,320.76	1,388.92	1,371.14	17.77	78.144	
4,200.00	4,193.75	4,163.92	4,161.92	12.59	11.61	114.477	-118.58	-1,323.19	1,394.10	1,375.97	18.12	76.917	
4,300.00	4,293.51	4,263.77	4,261.65	12.93	11.92	114.562	-122.75	-1,325.61	1,399.28	1,380.80	18.48	75.732	
4,400.00	4,393.27	4,363.61	4,361.38	13.26	12.23	114.648	-126.92	-1,328.04	1,404.46	1,385.63	18.83	74.586	
4,500.00	4,493.02	4,463.46	4,461.10	13.60	12.55	114.732	-131.08	-1,330.46	1,409.65	1,390.47	19.18	73.478	
4,600.00	4,592.78	4,563.30	4,560.83	13.94	12.86	114.816	-135.25	-1,332.89	1,414.84	1,395.30	19.54	72.406	
4,700.00	4,692.54	4,663.14	4,660.56	14.28	13.18	114.899	-139.42	-1,335.31	1,420.04	1,400.14	19.90	71.368	
4,800.00	4,792.29	4,762.99	4,760.29	14.62	13.49	114.982	-143.59	-1,337.74	1,425.24	1,404.98	20.26	70.364	
4,900.00	4,892.05	4,862.83	4,860.01	14.97	13.81	115.064	-147.76	-1,340.16	1,430.44	1,409.82	20.61	69.392	
5,000.00	4,991.81	4,962.67	4,959.74	15.31	14.13	115.145	-151.92	-1,342.59	1,435.64	1,414.67	20.97	68.450	
5,100.00	5,091.56	5,062.52	5,059.47	15.66	14.45	115.226	-156.09	-1,345.01	1,440.85	1,419.51	21.33	67.538	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 512H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,200.00	5,191.32	5,162.36	5,159.20	16.00	14.77	115.306	-160.26	-1,347.44	1,446.05	1,424.36	21.70	66.653	
5,300.00	5,291.08	5,262.21	5,258.92	16.35	15.09	115.386	-164.43	-1,349.86	1,451.27	1,429.21	22.06	65.795	
5,400.00	5,390.83	5,362.05	5,358.65	16.70	15.42	115.465	-168.60	-1,352.29	1,456.48	1,434.06	22.42	64.962	
5,500.00	5,490.59	5,461.89	5,458.38	17.05	15.74	115.543	-172.77	-1,354.71	1,461.70	1,438.91	22.78	64.155	
5,600.00	5,590.35	5,561.74	5,558.11	17.40	16.06	115.621	-176.93	-1,357.14	1,466.92	1,443.77	23.15	63.370	
5,700.00	5,690.10	5,661.58	5,657.83	17.75	16.38	115.699	-181.10	-1,359.56	1,472.14	1,448.63	23.51	62.609	
5,800.00	5,789.86	5,761.43	5,757.56	18.10	16.71	115.775	-185.27	-1,361.99	1,477.37	1,453.49	23.88	61.869	
5,900.00	5,889.62	5,861.27	5,857.29	18.46	17.03	115.852	-189.44	-1,364.41	1,482.60	1,458.35	24.25	61.150	
6,000.00	5,989.37	5,961.11	5,957.01	18.81	17.36	115.928	-193.61	-1,366.84	1,487.83	1,463.21	24.61	60.451	
6,100.00	6,089.13	6,060.96	6,056.74	19.16	17.69	116.003	-197.77	-1,369.26	1,493.06	1,468.08	24.98	59.772	
6,200.00	6,188.89	6,160.80	6,156.47	19.52	18.01	116.078	-201.94	-1,371.69	1,498.29	1,472.95	25.35	59.111	
6,300.00	6,288.64	6,260.64	6,256.20	19.87	18.34	116.152	-206.11	-1,374.11	1,503.53	1,477.82	25.72	58.468	
6,400.00	6,388.40	6,360.49	6,355.92	20.22	18.66	116.225	-210.28	-1,376.54	1,508.77	1,482.69	26.08	57.841	
6,500.00	6,488.16	6,460.33	6,455.65	20.58	18.99	116.299	-214.45	-1,378.96	1,514.02	1,487.56	26.45	57.232	
6,600.00	6,587.91	6,560.18	6,555.38	20.94	19.32	116.371	-218.61	-1,381.39	1,519.26	1,492.44	26.82	56.638	
6,700.00	6,687.67	6,660.02	6,655.11	21.29	19.65	116.444	-222.78	-1,383.81	1,524.51	1,497.32	27.19	56.060	
6,800.00	6,787.43	6,759.86	6,754.83	21.65	19.98	116.515	-226.95	-1,386.24	1,529.76	1,502.20	27.57	55.496	
6,900.00	6,887.18	6,859.71	6,854.56	22.01	20.30	116.586	-231.12	-1,388.66	1,535.02	1,507.08	27.94	54.947	
7,000.00	6,986.94	6,959.55	6,954.29	22.36	20.63	116.657	-235.29	-1,391.09	1,540.27	1,511.96	28.31	54.411	
7,100.00	7,086.70	7,059.40	7,054.02	22.72	20.96	116.727	-239.45	-1,393.51	1,545.53	1,516.85	28.68	53.889	
7,200.00	7,186.45	7,159.24	7,153.74	23.08	21.29	116.797	-243.62	-1,395.94	1,550.79	1,521.74	29.05	53.379	
7,300.00	7,286.21	7,259.08	7,253.47	23.44	21.62	116.866	-247.79	-1,398.36	1,556.05	1,526.63	29.42	52.882	
7,400.00	7,385.97	7,358.93	7,353.20	23.80	21.95	116.935	-251.96	-1,400.79	1,561.31	1,531.52	29.80	52.397	
7,500.00	7,485.72	7,458.77	7,452.92	24.16	22.28	117.003	-256.13	-1,403.21	1,566.58	1,536.41	30.17	51.923	
7,600.00	7,585.48	7,558.61	7,552.65	24.52	22.61	117.071	-260.30	-1,405.64	1,571.85	1,541.31	30.55	51.460	
7,700.00	7,685.24	7,658.46	7,652.38	24.88	22.94	117.139	-264.46	-1,408.06	1,577.12	1,546.20	30.92	51.008	
7,800.00	7,784.99	7,758.30	7,752.11	25.24	23.27	117.206	-268.63	-1,410.49	1,582.39	1,551.10	31.29	50.566	
7,900.00	7,884.75	7,858.15	7,851.83	25.60	23.60	117.272	-272.80	-1,412.91	1,587.67	1,556.00	31.67	50.134	
8,000.00	7,984.51	7,957.99	7,951.56	25.96	23.93	117.338	-276.97	-1,415.34	1,592.95	1,560.90	32.04	49.712	
8,100.00	8,084.26	8,057.83	8,051.29	26.32	24.26	117.404	-281.14	-1,417.76	1,598.23	1,565.81	32.42	49.300	
8,200.00	8,184.02	8,157.68	8,151.02	26.68	24.60	117.469	-285.30	-1,420.19	1,603.51	1,570.71	32.79	48.896	
8,300.00	8,283.78	8,257.52	8,250.74	27.04	24.93	117.534	-289.47	-1,422.61	1,608.79	1,575.62	33.17	48.501	
8,400.00	8,383.53	8,357.36	8,350.47	27.40	25.26	117.599	-293.64	-1,425.04	1,614.08	1,580.53	33.55	48.115	
8,500.00	8,483.29	8,457.21	8,450.20	27.76	25.59	117.662	-297.81	-1,427.46	1,619.37	1,585.44	33.92	47.737	
8,600.00	8,583.05	8,557.05	8,549.92	28.12	25.92	117.726	-301.98	-1,429.89	1,624.66	1,590.36	34.30	47.367	
8,700.00	8,682.80	8,656.90	8,649.65	28.48	26.25	117.789	-306.14	-1,432.31	1,629.95	1,595.27	34.68	47.005	
8,800.00	8,782.56	8,756.74	8,749.38	28.85	26.59	117.852	-310.31	-1,434.74	1,635.24	1,600.19	35.05	46.651	
8,900.00	8,882.32	8,856.58	8,849.11	29.21	26.92	117.914	-314.48	-1,437.16	1,640.54	1,605.11	35.43	46.303	
9,000.00	8,982.07	8,956.43	8,948.83	29.57	27.25	117.976	-318.65	-1,439.59	1,645.84	1,610.03	35.81	45.963	
9,100.00	9,081.83	9,056.27	9,048.56	29.93	27.58	118.038	-322.82	-1,442.01	1,651.13	1,614.95	36.19	45.630	
9,200.00	9,181.59	9,156.12	9,148.29	30.30	27.92	118.099	-326.98	-1,444.44	1,656.44	1,619.87	36.56	45.303	
9,300.00	9,281.34	9,255.96	9,248.02	30.66	28.25	118.160	-331.15	-1,446.86	1,661.74	1,624.80	36.94	44.983	
9,400.00	9,381.10	9,355.80	9,347.74	31.02	28.58	118.220	-335.32	-1,449.29	1,667.04	1,629.72	37.32	44.669	
9,500.00	9,480.86	9,455.65	9,447.47	31.39	28.92	118.280	-339.49	-1,451.71	1,672.35	1,634.65	37.70	44.361	
9,600.00	9,580.61	9,555.49	9,547.20	31.75	29.25	118.339	-343.66	-1,454.14	1,677.66	1,639.58	38.08	44.059	
9,700.00	9,680.37	9,655.33	9,646.93	32.11	29.58	118.399	-347.83	-1,456.56	1,682.97	1,644.51	38.46	43.763	
9,800.00	9,780.13	9,755.18	9,746.65	32.48	29.92	118.457	-351.99	-1,458.99	1,688.28	1,649.45	38.84	43.473	
9,900.00	9,879.88	9,855.02	9,846.38	32.84	30.25	118.516	-356.16	-1,461.41	1,693.60	1,654.38	39.21	43.188	
10,000.00	9,979.64	9,954.87	9,946.11	33.20	30.58	118.574	-360.33	-1,463.84	1,698.91	1,659.32	39.59	42.908	
10,100.00	10,079.39	10,054.71	10,045.83	33.57	30.92	118.632	-364.50	-1,466.26	1,704.23	1,664.26	39.97	42.634	
10,200.00	10,179.15	10,154.55	10,145.56	33.93	31.25	118.689	-368.67	-1,468.69	1,709.55	1,669.20	40.35	42.364	
10,300.00	10,278.91	10,254.40	10,245.29	34.29	31.58	118.746	-372.83	-1,471.11	1,714.87	1,674.14	40.73	42.099	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 512H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum Separation (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>			
10,400.00	10,378.66	10,354.24	10,345.02	34.66	31.92	118.803	-377.00	-1,473.54	1,720.19	1,679.08	41.11	41.840	
10,500.00	10,478.42	10,454.09	10,444.74	35.02	32.25	118.859	-381.17	-1,475.96	1,725.52	1,684.02	41.49	41.584	
10,600.00	10,578.18	10,553.93	10,544.47	35.39	32.58	118.915	-385.34	-1,478.39	1,730.84	1,688.97	41.87	41.334	
10,700.00	10,677.93	10,653.77	10,644.20	35.75	32.92	118.971	-389.51	-1,480.81	1,736.17	1,693.92	42.26	41.087	
10,800.00	10,777.69	10,753.62	10,743.93	36.12	33.25	119.026	-393.67	-1,483.24	1,741.50	1,698.87	42.64	40.845	
10,900.00	10,877.45	10,853.46	10,843.65	36.48	33.59	119.081	-397.84	-1,485.66	1,746.83	1,703.82	43.02	40.608	
11,000.00	10,977.20	10,953.30	10,943.38	36.85	33.92	119.136	-402.01	-1,488.09	1,752.17	1,708.77	43.40	40.374	
11,100.00	11,076.96	11,053.15	11,043.11	37.21	34.25	119.190	-406.18	-1,490.51	1,757.50	1,713.72	43.78	40.144	
11,200.00	11,176.72	11,152.99	11,142.83	37.57	34.59	119.244	-410.35	-1,492.94	1,762.83	1,718.67	44.16	39.918	
11,300.00	11,276.47	11,252.84	11,242.56	37.94	34.92	119.298	-414.51	-1,495.36	1,768.17	1,723.63	44.54	39.696	
11,400.00	11,376.23	11,352.68	11,342.29	38.30	35.26	119.351	-418.68	-1,497.79	1,773.51	1,728.59	44.92	39.478	
11,500.00	11,475.99	11,452.52	11,442.02	38.67	35.59	119.404	-422.85	-1,500.21	1,778.85	1,733.54	45.31	39.263	
11,510.34	11,486.30	11,462.84	11,452.32	38.71	35.63	119.409	-423.28	-1,500.46	1,779.40	1,734.06	45.34	39.243	
11,600.00	11,575.83	11,552.41	11,541.79	39.02	35.93	119.489	-427.02	-1,502.64	1,783.50	1,737.84	45.67	39.055	
11,700.00	11,675.80	11,652.33	11,641.59	39.33	36.26	119.456	-431.19	-1,505.07	1,786.45	1,740.45	46.00	38.836	
11,710.24	11,686.04	11,662.56	11,651.81	39.34	36.30	-83.161	-431.62	-1,505.31	1,786.66	1,740.64	46.02	38.824	
11,800.00	11,775.80	11,752.21	11,741.35	39.34	36.60	-83.288	-435.36	-1,507.49	1,788.38	1,742.22	46.16	38.742	
11,900.00	11,875.80	11,852.09	11,841.12	39.35	36.93	-83.430	-439.53	-1,509.92	1,790.31	1,743.98	46.33	38.642	
12,000.00	11,975.80	11,966.57	11,955.49	39.35	37.31	-83.575	-443.81	-1,512.40	1,792.08	1,745.56	46.52	38.521	
12,100.00	12,075.80	12,066.89	12,075.80	39.36	37.47	-83.608	-444.79	-1,512.97	1,792.42	1,745.80	46.61	38.459	
12,200.00	12,175.80	12,186.89	12,175.80	39.36	37.47	-83.608	-444.79	-1,512.97	1,792.42	1,745.80	46.62	38.451	
12,210.24	12,186.04	12,197.14	12,186.04	39.36	37.48	-83.608	-444.79	-1,512.97	1,792.42	1,745.80	46.61	38.452	
12,250.00	12,225.77	12,236.86	12,225.77	39.43	37.48	96.971	-444.79	-1,512.97	1,792.59	1,745.95	46.64	38.437	
12,300.00	12,275.43	12,286.53	12,275.43	39.69	37.48	97.079	-444.79	-1,512.97	1,793.28	1,746.57	46.71	38.390	
12,350.00	12,324.42	12,335.51	12,324.42	39.98	37.48	97.262	-444.79	-1,512.97	1,794.55	1,747.73	46.82	38.329	
12,400.00	12,372.35	12,383.44	12,372.35	40.29	37.49	97.503	-444.79	-1,512.97	1,796.45	1,749.49	46.96	38.255	
12,450.00	12,418.86	12,429.96	12,418.86	40.60	37.49	97.782	-444.79	-1,512.97	1,799.07	1,751.93	47.13	38.170	
12,500.00	12,463.61	12,474.70	12,463.61	40.91	37.49	98.071	-444.79	-1,512.97	1,802.50	1,755.15	47.34	38.074	
12,550.00	12,506.24	12,517.33	12,506.24	41.22	37.49	98.339	-444.79	-1,512.97	1,806.86	1,759.27	47.58	37.973	
12,600.00	12,546.43	12,557.22	12,546.43	41.50	37.56	98.849	-445.38	-1,512.97	1,812.22	1,764.35	47.87	37.854	
12,650.00	12,583.88	12,685.04	12,672.62	41.78	38.09	100.235	-461.30	-1,512.81	1,817.65	1,769.34	48.31	37.623	
12,700.00	12,618.30	12,821.20	12,799.78	42.03	38.87	101.629	-509.09	-1,512.33	1,822.26	1,773.33	48.93	37.245	
12,750.00	12,649.43	12,982.01	12,930.35	42.27	39.73	102.699	-602.04	-1,511.39	1,825.31	1,775.54	49.77	36.677	
12,800.00	12,677.04	13,158.02	13,037.59	42.47	40.49	103.014	-740.72	-1,510.00	1,826.12	1,775.28	50.85	35.915	
12,850.00	12,700.91	13,330.76	13,097.22	42.66	40.95	102.414	-902.14	-1,508.38	1,824.48	1,772.38	52.10	35.019	
12,900.00	12,720.86	13,459.01	13,109.00	42.81	41.12	101.503	-1,029.59	-1,507.10	1,820.88	1,767.63	53.25	34.193	
12,950.00	12,736.74	13,506.40	13,109.00	42.94	41.16	101.365	-1,076.98	-1,506.62	1,817.54	1,763.56	53.98	33.671	
13,000.00	12,748.43	13,555.00	13,109.00	43.04	41.20	101.247	-1,125.58	-1,506.14	1,815.16	1,760.40	54.76	33.145	
13,050.00	12,755.84	13,604.43	13,109.00	43.11	41.25	101.166	-1,175.01	-1,505.64	1,813.68	1,758.11	55.58	32.633	
13,100.00	12,758.91	13,654.32	13,109.00	43.15	41.31	101.131	-1,224.89	-1,505.14	1,813.07	1,756.63	56.44	32.124	
13,110.24	12,759.00	13,664.57	13,109.00	43.16	41.32	101.131	-1,235.13	-1,505.04	1,813.05	1,756.43	56.62	32.023	
13,200.00	12,759.00	13,754.32	13,109.00	43.21	41.44	101.131	-1,324.89	-1,504.13	1,813.01	1,754.80	58.21	31.144	
13,300.00	12,759.00	13,854.32	13,109.00	43.28	41.59	101.131	-1,424.88	-1,503.13	1,812.97	1,752.89	60.07	30.179	
13,400.00	12,759.00	13,954.32	13,109.00	43.36	41.78	101.131	-1,524.88	-1,502.13	1,812.93	1,750.92	62.01	29.237	
13,500.00	12,759.00	14,054.32	13,109.00	43.45	41.99	101.132	-1,624.87	-1,501.12	1,812.89	1,748.88	64.01	28.322	
13,600.00	12,759.00	14,154.32	13,109.00	43.56	42.24	101.132	-1,724.87	-1,500.12	1,812.85	1,746.77	66.07	27.438	
13,700.00	12,759.00	14,254.32	13,109.00	43.70	42.54	101.132	-1,824.86	-1,499.11	1,812.80	1,744.62	68.19	26.585	
13,800.00	12,759.00	14,354.32	13,109.00	43.86	42.88	101.132	-1,924.86	-1,498.11	1,812.76	1,742.41	70.36	25.766	
13,900.00	12,759.00	14,454.32	13,109.00	44.05	43.28	101.133	-2,024.85	-1,497.10	1,812.72	1,740.15	72.57	24.979	
14,000.00	12,759.00	14,554.32	13,109.00	44.28	43.74	101.133	-2,124.85	-1,496.10	1,812.68	1,737.86	74.82	24.226	
14,100.00	12,759.00	14,654.32	13,109.00	44.57	44.27	101.133	-2,224.84	-1,495.10	1,812.64	1,735.52	77.12	23.505	
14,200.00	12,759.00	14,754.32	13,109.00	44.91	44.87	101.133	-2,324.84	-1,494.09	1,812.60	1,733.15	79.44	22.816	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 512H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,300.00	12,759.00	14,854.32	13,109.00	45.32	45.54	101.134	-2,424.83	-1,493.09	1,812.56	1,730.75	81.80	22.157	
14,400.00	12,759.00	14,954.32	13,109.00	45.81	46.28	101.134	-2,524.83	-1,492.08	1,812.52	1,728.32	84.19	21.528	
14,500.00	12,759.00	15,054.32	13,109.00	46.40	47.09	101.134	-2,624.82	-1,491.08	1,812.48	1,725.87	86.61	20.927	
14,600.00	12,759.00	15,154.32	13,109.00	47.09	47.97	101.134	-2,724.82	-1,490.07	1,812.43	1,723.38	89.05	20.353	
14,700.00	12,759.00	15,254.32	13,109.00	47.88	48.91	101.135	-2,824.81	-1,489.07	1,812.39	1,720.88	91.51	19.805	
14,800.00	12,759.00	15,354.32	13,109.00	48.76	49.91	101.135	-2,924.81	-1,488.07	1,812.35	1,718.35	94.00	19.281	
14,900.00	12,759.00	15,454.32	13,109.00	49.72	50.95	101.135	-3,024.80	-1,487.06	1,812.31	1,715.81	96.50	18.780	
15,000.00	12,759.00	15,554.32	13,109.00	50.75	52.03	101.135	-3,124.80	-1,486.06	1,812.27	1,713.25	99.02	18.302	
15,100.00	12,759.00	15,654.32	13,109.00	51.84	53.15	101.136	-3,224.79	-1,485.05	1,812.23	1,710.67	101.56	17.844	
15,200.00	12,759.00	15,754.32	13,109.00	52.98	54.30	101.136	-3,324.79	-1,484.05	1,812.19	1,708.07	104.11	17.406	
15,300.00	12,759.00	15,854.32	13,109.00	54.15	55.48	101.136	-3,424.78	-1,483.04	1,812.15	1,705.47	106.68	16.987	
15,400.00	12,759.00	15,954.32	13,109.00	55.36	56.68	101.136	-3,524.78	-1,482.04	1,812.11	1,702.84	109.26	16.585	
15,500.00	12,759.00	16,054.32	13,109.00	56.60	57.90	101.137	-3,624.77	-1,481.04	1,812.07	1,700.21	111.86	16.200	
15,600.00	12,759.00	16,154.32	13,109.00	57.85	59.14	101.137	-3,724.77	-1,480.03	1,812.02	1,697.56	114.46	15.831	
15,700.00	12,759.00	16,254.32	13,109.00	59.13	60.40	101.137	-3,824.76	-1,479.03	1,811.98	1,694.91	117.07	15.477	
15,800.00	12,759.00	16,354.32	13,109.00	60.42	61.66	101.137	-3,924.76	-1,478.02	1,811.94	1,692.24	119.70	15.137	
15,900.00	12,759.00	16,454.32	13,109.00	61.72	62.95	101.138	-4,024.75	-1,477.02	1,811.90	1,689.57	122.33	14.811	
16,000.00	12,759.00	16,554.32	13,109.00	63.04	64.24	101.138	-4,124.75	-1,476.01	1,811.86	1,686.88	124.98	14.497	
16,100.00	12,759.00	16,654.32	13,109.00	64.36	65.54	101.138	-4,224.74	-1,475.01	1,811.82	1,684.19	127.63	14.196	
16,200.00	12,759.00	16,754.32	13,109.00	65.69	66.85	101.138	-4,324.74	-1,474.01	1,811.78	1,681.49	130.29	13.906	
16,300.00	12,759.00	16,854.32	13,109.00	67.03	68.17	101.139	-4,424.73	-1,473.00	1,811.74	1,678.78	132.96	13.627	
16,400.00	12,759.00	16,954.32	13,109.00	68.37	69.49	101.139	-4,524.72	-1,472.00	1,811.70	1,676.07	135.63	13.358	
16,500.00	12,759.00	17,054.32	13,109.00	69.73	70.82	101.139	-4,624.72	-1,470.99	1,811.65	1,673.35	138.31	13.099	
16,600.00	12,759.00	17,154.32	13,109.00	71.08	72.16	101.139	-4,724.71	-1,469.99	1,811.61	1,670.62	140.99	12.849	
16,700.00	12,759.00	17,254.32	13,109.00	72.44	73.50	101.140	-4,824.71	-1,468.98	1,811.57	1,667.89	143.69	12.608	
16,800.00	12,759.00	17,354.32	13,109.00	73.81	74.84	101.140	-4,924.70	-1,467.98	1,811.53	1,665.15	146.38	12.375	
16,900.00	12,759.00	17,454.32	13,109.00	75.18	76.20	101.140	-5,024.70	-1,466.98	1,811.49	1,662.41	149.08	12.151	
17,000.00	12,759.00	17,554.32	13,109.00	76.55	77.55	101.140	-5,124.69	-1,465.97	1,811.45	1,659.66	151.79	11.934	
17,100.00	12,759.00	17,654.32	13,109.00	77.92	78.91	101.141	-5,224.69	-1,464.97	1,811.41	1,656.90	154.50	11.724	
17,200.00	12,759.00	17,754.32	13,109.00	79.30	80.27	101.141	-5,324.68	-1,463.96	1,811.37	1,654.15	157.22	11.521	
17,300.00	12,759.00	17,854.32	13,109.00	80.68	81.64	101.141	-5,424.68	-1,462.96	1,811.33	1,651.39	159.94	11.325	
17,400.00	12,759.00	17,954.32	13,109.00	82.07	83.01	101.142	-5,524.67	-1,461.95	1,811.28	1,648.62	162.66	11.135	
17,500.00	12,759.00	18,054.32	13,109.00	83.45	84.38	101.142	-5,624.67	-1,460.95	1,811.24	1,645.85	165.39	10.951	
17,600.00	12,759.00	18,154.32	13,109.00	84.84	85.75	101.142	-5,724.66	-1,459.95	1,811.20	1,643.08	168.12	10.773	
17,700.00	12,759.00	18,254.32	13,109.00	86.23	87.13	101.142	-5,824.66	-1,458.94	1,811.16	1,640.31	170.86	10.600	
17,800.00	12,759.00	18,354.32	13,109.00	87.62	88.51	101.143	-5,924.65	-1,457.94	1,811.12	1,637.53	173.59	10.433	
17,900.00	12,759.00	18,454.32	13,109.00	89.01	89.89	101.143	-6,024.65	-1,456.93	1,811.08	1,634.74	176.34	10.271	
18,000.00	12,759.00	18,554.32	13,109.00	90.41	91.27	101.143	-6,124.64	-1,455.93	1,811.04	1,631.96	179.08	10.113	
18,100.00	12,759.00	18,654.32	13,109.00	91.80	92.65	101.143	-6,224.64	-1,454.92	1,811.00	1,629.17	181.83	9.960	
18,200.00	12,759.00	18,754.32	13,109.00	93.20	94.04	101.144	-6,324.63	-1,453.92	1,810.96	1,626.38	184.57	9.812	
18,300.00	12,759.00	18,854.32	13,109.00	94.60	95.43	101.144	-6,424.63	-1,452.92	1,810.92	1,623.59	187.33	9.667	
18,400.00	12,759.00	18,954.32	13,109.00	96.00	96.82	101.144	-6,524.62	-1,451.91	1,810.87	1,620.79	190.08	9.527	
18,500.00	12,759.00	19,054.32	13,109.00	97.40	98.21	101.144	-6,624.62	-1,450.91	1,810.83	1,618.00	192.84	9.390	
18,600.00	12,759.00	19,154.32	13,109.00	98.81	99.60	101.145	-6,724.61	-1,449.90	1,810.79	1,615.20	195.60	9.258	
18,700.00	12,759.00	19,254.32	13,109.00	100.21	101.00	101.145	-6,824.61	-1,448.90	1,810.75	1,612.39	198.36	9.129	
18,800.00	12,759.00	19,354.32	13,109.00	101.62	102.39	101.145	-6,924.60	-1,447.89	1,810.71	1,609.59	201.12	9.003	
18,900.00	12,759.00	19,454.32	13,109.00	103.02	103.79	101.145	-7,024.60	-1,446.89	1,810.67	1,606.78	203.88	8.881	
19,000.00	12,759.00	19,554.32	13,109.00	104.43	105.19	101.146	-7,124.59	-1,445.89	1,810.63	1,603.98	206.65	8.762	
19,100.00	12,759.00	19,654.32	13,109.00	105.84	106.59	101.146	-7,224.59	-1,444.88	1,810.59	1,601.17	209.42	8.646	
19,200.00	12,759.00	19,754.32	13,109.00	107.24	107.99	101.146	-7,324.58	-1,443.88	1,810.55	1,598.36	212.19	8.533	
19,300.00	12,759.00	19,854.32	13,109.00	108.65	109.39	101.146	-7,424.58	-1,442.87	1,810.50	1,595.54	214.96	8.422	
19,400.00	12,759.00	19,954.32	13,109.00	110.06	110.79	101.147	-7,524.57	-1,441.87	1,810.46	1,592.73	217.74	8.315	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 512H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>	<b>Offset</b>	<b>Semi Major Axis</b>		<b>Distance</b>		<b>Rule Assigned:</b>		<b>Warning</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>+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>	
19,500.00	12,759.00	20,054.32	13,109.00	111.47	112.20	101.147	-7,624.57	-1,440.86	1,810.42	1,589.91	220.51	8.210	
19,600.00	12,759.00	20,154.32	13,109.00	112.89	113.60	101.147	-7,724.56	-1,439.86	1,810.38	1,587.09	223.29	8.108	
19,700.00	12,759.00	20,254.32	13,109.00	114.30	115.00	101.147	-7,824.56	-1,438.86	1,810.34	1,584.27	226.07	8.008	
19,800.00	12,759.00	20,354.32	13,109.00	115.71	116.41	101.148	-7,924.55	-1,437.85	1,810.30	1,581.45	228.85	7.911	
19,900.00	12,759.00	20,454.32	13,109.00	117.12	117.82	101.148	-8,024.55	-1,436.85	1,810.26	1,578.63	231.63	7.815	
20,000.00	12,759.00	20,554.32	13,109.00	118.54	119.22	101.148	-8,124.54	-1,435.84	1,810.22	1,575.81	234.41	7.722	
20,100.00	12,759.00	20,654.32	13,109.00	119.95	120.63	101.148	-8,224.54	-1,434.84	1,810.18	1,572.98	237.19	7.632	
20,200.00	12,759.00	20,754.32	13,109.00	121.37	122.04	101.149	-8,324.53	-1,433.83	1,810.13	1,570.16	239.98	7.543	
20,300.00	12,759.00	20,854.32	13,109.00	122.78	123.45	101.149	-8,424.53	-1,432.83	1,810.09	1,567.33	242.76	7.456	
20,400.00	12,759.00	20,954.32	13,109.00	124.20	124.86	101.149	-8,524.52	-1,431.83	1,810.05	1,564.50	245.55	7.371	
20,500.00	12,759.00	21,054.32	13,109.00	125.61	126.27	101.149	-8,624.52	-1,430.82	1,810.01	1,561.67	248.34	7.289	
20,600.00	12,759.00	21,154.32	13,109.00	127.03	127.68	101.150	-8,724.51	-1,429.82	1,809.97	1,558.84	251.13	7.207	
20,700.00	12,759.00	21,254.32	13,109.00	128.45	129.09	101.150	-8,824.51	-1,428.81	1,809.93	1,556.01	253.92	7.128	
20,800.00	12,759.00	21,354.32	13,109.00	129.87	130.51	101.150	-8,924.50	-1,427.81	1,809.89	1,553.18	256.71	7.050	
20,900.00	12,759.00	21,454.32	13,109.00	131.29	131.92	101.150	-9,024.50	-1,426.80	1,809.85	1,550.35	259.50	6.974	
21,000.00	12,759.00	21,554.32	13,109.00	132.70	133.33	101.151	-9,124.49	-1,425.80	1,809.81	1,547.51	262.29	6.900	
21,100.00	12,759.00	21,654.32	13,109.00	134.12	134.75	101.151	-9,224.49	-1,424.80	1,809.77	1,544.68	265.09	6.827	
21,200.00	12,759.00	21,754.32	13,109.00	135.54	136.16	101.151	-9,324.48	-1,423.79	1,809.72	1,541.84	267.88	6.756	
21,300.00	12,759.00	21,854.32	13,109.00	136.96	137.58	101.152	-9,424.48	-1,422.79	1,809.68	1,539.01	270.68	6.686	
21,400.00	12,759.00	21,954.32	13,109.00	138.38	138.99	101.152	-9,524.47	-1,421.78	1,809.64	1,536.17	273.47	6.617	
21,500.00	12,759.00	22,054.32	13,109.00	139.80	140.41	101.152	-9,624.47	-1,420.78	1,809.60	1,533.33	276.27	6.550	
21,600.00	12,759.00	22,154.32	13,109.00	141.22	141.83	101.152	-9,724.46	-1,419.77	1,809.56	1,530.49	279.07	6.484	
21,700.00	12,759.00	22,254.32	13,109.00	142.65	143.24	101.153	-9,824.46	-1,418.77	1,809.52	1,527.65	281.86	6.420	
21,800.00	12,759.00	22,354.32	13,109.00	144.07	144.66	101.153	-9,924.45	-1,417.77	1,809.48	1,524.81	284.66	6.357	
21,900.00	12,759.00	22,454.32	13,109.00	145.49	146.08	101.153	-10,024.45	-1,416.76	1,809.44	1,521.97	287.46	6.294	
22,000.00	12,759.00	22,554.32	13,109.00	146.91	147.49	101.153	-10,124.44	-1,415.76	1,809.40	1,519.13	290.26	6.234	
22,100.00	12,759.00	22,654.32	13,109.00	148.33	148.91	101.154	-10,224.44	-1,414.75	1,809.35	1,516.29	293.07	6.174	
22,125.24	12,759.00	22,679.56	13,109.00	148.69	149.27	101.154	-10,249.68	-1,414.50	1,809.34	1,515.57	293.77	6.159 SF	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 513H - OH - Plan 1 08-31-22												<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM												<b>Offset Well Error:</b>	1.00 usft
<b>Rule Assigned:</b>												<b>Warning</b>	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.00	0.00	0.00	1.00	1.00	1.00	-90.401	-0.21	-29.98	30.00				
100.00	100.00	99.00	100.00	1.08	1.08	-90.401	-0.21	-29.98	29.98	27.81	2.17	13.837	
200.00	200.00	199.00	200.00	1.60	1.59	-90.401	-0.21	-29.98	29.98	26.79	3.19	9.396	
300.00	300.00	299.00	300.00	2.01	2.01	-90.401	-0.21	-29.98	29.98	25.97	4.01	7.467	
400.00	400.00	399.00	400.00	2.35	2.35	-90.401	-0.21	-29.98	29.98	25.28	4.70	6.377	
500.00	500.00	499.00	500.00	2.65	2.65	-90.401	-0.21	-29.98	29.98	24.68	5.31	5.651	
600.00	600.00	599.00	600.00	2.93	2.92	-90.401	-0.21	-29.98	29.98	24.13	5.85	5.124	
700.00	700.00	699.00	700.00	3.18	3.18	-90.401	-0.21	-29.98	29.98	23.63	6.35	4.718	
800.00	800.00	799.00	800.00	3.41	3.41	-90.401	-0.21	-29.98	29.98	23.16	6.82	4.393	
900.00	900.00	899.00	900.00	3.64	3.63	-90.401	-0.21	-29.98	29.98	22.71	7.27	4.125	
1,000.00	1,000.00	999.00	1,000.00	3.85	3.84	-90.401	-0.21	-29.98	29.98	22.29	7.69	3.899	
1,100.00	1,100.00	1,099.00	1,100.00	4.05	4.05	-90.401	-0.21	-29.98	29.98	21.89	8.09	3.705	
1,200.00	1,200.00	1,199.00	1,200.00	4.24	4.24	-90.401	-0.21	-29.98	29.98	21.50	8.48	3.536	
1,300.00	1,300.00	1,299.00	1,300.00	4.43	4.43	-90.401	-0.21	-29.98	29.98	21.13	8.85	3.387	
1,400.00	1,400.00	1,399.00	1,400.00	4.61	4.61	-90.401	-0.21	-29.98	29.98	20.77	9.21	3.254	
1,500.00	1,500.00	1,499.00	1,500.00	4.78	4.78	-90.401	-0.21	-29.98	29.98	20.42	9.56	3.135 CC, ES	
1,600.00	1,599.98	1,599.17	1,600.15	4.98	4.97	112.060	-1.90	-29.68	30.35	20.54	9.81	3.093	
1,699.91	1,699.74	1,699.10	1,700.00	5.60	5.07	113.437	-5.97	-28.96	31.65	21.56	10.09	3.136	
1,800.00	1,799.59	1,799.15	1,799.96	5.91	5.23	117.291	-10.12	-28.23	33.71	23.29	10.42	3.235	
1,900.00	1,899.35	1,899.10	1,899.82	6.08	5.41	120.684	-14.26	-27.50	35.90	25.17	10.74	3.344	
2,000.00	1,999.11	1,999.06	1,999.69	6.27	5.60	123.678	-18.41	-26.77	38.21	27.14	11.07	3.452	
2,100.00	2,098.86	2,099.01	2,099.55	6.47	5.80	126.325	-22.55	-26.03	40.60	29.19	11.41	3.559	
2,200.00	2,198.62	2,198.97	2,199.42	6.68	6.01	128.672	-26.70	-25.30	43.08	31.31	11.77	3.661	
2,300.00	2,298.38	2,298.92	2,299.29	6.91	6.24	130.762	-30.85	-24.57	45.62	33.48	12.14	3.757	
2,400.00	2,398.13	2,398.88	2,399.15	7.15	6.47	132.629	-34.99	-23.84	48.21	35.68	12.53	3.848	
2,500.00	2,497.89	2,498.83	2,499.02	7.41	6.71	134.304	-39.14	-23.11	50.85	37.91	12.93	3.931	
2,600.00	2,597.65	2,598.79	2,598.88	7.67	6.96	135.812	-43.28	-22.37	53.52	40.17	13.35	4.008	
2,700.00	2,697.40	2,698.74	2,698.75	7.94	7.21	137.176	-47.43	-21.64	56.24	42.45	13.79	4.078	
2,800.00	2,797.16	2,798.70	2,798.62	8.21	7.47	138.414	-51.58	-20.91	58.98	44.74	14.24	4.142	
2,900.00	2,896.92	2,898.65	2,898.48	8.50	7.74	139.542	-55.72	-20.18	61.74	47.04	14.70	4.201	
3,000.00	2,996.67	2,998.61	2,998.35	8.79	8.01	140.572	-59.87	-19.45	64.53	49.36	15.17	4.253	
3,100.00	3,096.43	3,098.56	3,098.21	9.08	8.28	141.517	-64.01	-18.71	67.33	51.68	15.66	4.301	
3,200.00	3,196.19	3,198.52	3,198.08	9.38	8.56	142.387	-68.16	-17.98	70.16	54.01	16.15	4.344	
3,300.00	3,295.94	3,298.47	3,297.95	9.69	8.84	143.188	-72.30	-17.25	72.99	56.34	16.65	4.383	
3,400.00	3,395.70	3,398.42	3,397.81	10.00	9.12	143.930	-76.45	-16.52	75.84	58.68	17.17	4.418	
3,500.00	3,495.46	3,498.38	3,497.68	10.31	9.41	144.618	-80.60	-15.79	78.71	61.02	17.69	4.450	
3,600.00	3,595.21	3,598.33	3,597.54	10.63	9.70	145.257	-84.74	-15.05	81.58	63.37	18.21	4.479	
3,700.00	3,694.97	3,698.29	3,697.41	10.95	9.99	145.853	-88.89	-14.32	84.46	65.71	18.75	4.505	
3,800.00	3,794.73	3,798.24	3,797.28	11.27	10.28	146.410	-93.03	-13.59	87.35	68.06	19.29	4.528	
3,900.00	3,894.48	3,898.20	3,897.14	11.60	10.58	146.930	-97.18	-12.86	90.25	70.42	19.84	4.550	
4,000.00	3,994.24	3,998.15	3,997.01	11.93	10.87	147.419	-101.33	-12.13	93.16	72.77	20.39	4.569	
4,100.00	4,094.00	4,098.11	4,096.87	12.26	11.17	147.878	-105.47	-11.39	96.07	75.12	20.95	4.586	
4,200.00	4,193.75	4,198.06	4,196.74	12.59	11.47	148.309	-109.62	-10.66	98.99	77.48	21.51	4.602	
4,300.00	4,293.51	4,298.02	4,296.61	12.93	11.77	148.716	-113.76	-9.93	101.91	79.84	22.08	4.616	
4,400.00	4,393.27	4,397.97	4,396.47	13.26	12.08	149.101	-117.91	-9.20	104.84	82.19	22.65	4.629	
4,500.00	4,493.02	4,497.93	4,496.34	13.60	12.38	149.464	-122.06	-8.47	107.77	84.55	23.22	4.641	
4,600.00	4,592.78	4,597.88	4,596.20	13.94	12.69	149.808	-126.20	-7.73	110.71	86.91	23.80	4.652	
4,700.00	4,692.54	4,697.84	4,696.07	14.28	12.99	150.134	-130.35	-7.00	113.65	89.27	24.38	4.662	
4,800.00	4,792.29	4,797.79	4,795.94	14.62	13.30	150.444	-134.49	-6.27	116.60	91.63	24.96	4.671	
4,900.00	4,892.05	4,897.75	4,895.80	14.97	13.61	150.739	-138.64	-5.54	119.54	93.99	25.55	4.679	
5,000.00	4,991.81	4,997.70	4,995.67	15.31	13.92	151.019	-142.79	-4.80	122.49	96.36	26.14	4.686	
5,100.00	5,091.56	5,097.66	5,095.53	15.66	14.23	151.286	-146.93	-4.07	125.45	98.72	26.73	4.693	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 513H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Rule Assigned:</b>		<b>Warning</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>+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>	
5,200.00	5,191.32	5,197.61	5,195.40	16.00	14.54	151.541	-151.08	-3.34	128.40	101.08	27.32	4.699	
5,300.00	5,291.08	5,297.56	5,295.27	16.35	14.85	151.785	-155.22	-2.61	131.36	103.44	27.92	4.705	
5,400.00	5,390.83	5,397.52	5,395.13	16.70	15.16	152.018	-159.37	-1.88	134.32	105.80	28.52	4.710	
5,500.00	5,490.59	5,497.47	5,495.00	17.05	15.47	152.240	-163.52	-1.14	137.28	108.17	29.12	4.715	
5,600.00	5,590.35	5,597.43	5,594.86	17.40	15.79	152.453	-167.66	-0.41	140.25	110.53	29.72	4.719	
5,700.00	5,690.10	5,697.38	5,694.73	17.75	16.10	152.658	-171.81	0.32	143.21	112.89	30.32	4.723	
5,800.00	5,789.86	5,797.34	5,794.60	18.10	16.41	152.854	-175.95	1.05	146.18	115.26	30.92	4.727	
5,900.00	5,889.62	5,897.29	5,894.46	18.46	16.73	153.042	-180.10	1.78	149.15	117.62	31.53	4.730	
6,000.00	5,989.37	5,997.25	5,994.33	18.81	17.04	153.223	-184.25	2.52	152.12	119.98	32.14	4.733	
6,100.00	6,089.13	6,097.20	6,094.19	19.16	17.36	153.397	-188.39	3.25	155.10	122.35	32.75	4.736	
6,200.00	6,188.89	6,197.16	6,194.06	19.52	17.68	153.565	-192.54	3.98	158.07	124.71	33.36	4.739	
6,300.00	6,288.64	6,297.11	6,293.93	19.87	17.99	153.726	-196.68	4.71	161.04	127.08	33.97	4.741	
6,400.00	6,388.40	6,397.07	6,393.79	20.22	18.31	153.882	-200.83	5.44	164.02	129.44	34.58	4.743	
6,500.00	6,488.16	6,497.02	6,493.66	20.58	18.63	154.031	-204.98	6.18	167.00	131.81	35.19	4.745	
6,600.00	6,587.91	6,596.98	6,593.52	20.94	18.94	154.176	-209.12	6.91	169.98	134.17	35.81	4.747	
6,700.00	6,687.67	6,696.93	6,693.39	21.29	19.26	154.316	-213.27	7.64	172.96	136.54	36.42	4.749	
6,800.00	6,787.43	6,796.89	6,793.26	21.65	19.58	154.451	-217.41	8.37	175.94	138.90	37.04	4.750	
6,900.00	6,887.18	6,896.84	6,893.12	22.01	19.90	154.581	-221.56	9.10	178.92	141.27	37.65	4.752	
7,000.00	6,986.94	6,996.79	6,992.99	22.36	20.22	154.707	-225.71	9.84	181.90	143.63	38.27	4.753	
7,100.00	7,086.70	7,096.75	7,092.85	22.72	20.53	154.829	-229.85	10.57	184.89	146.00	38.89	4.754	
7,200.00	7,186.45	7,196.70	7,192.72	23.08	20.85	154.948	-234.00	11.30	187.87	148.36	39.51	4.755	
7,300.00	7,286.21	7,296.66	7,292.59	23.44	21.17	155.062	-238.14	12.03	190.86	150.73	40.13	4.756	
7,400.00	7,385.97	7,396.61	7,392.45	23.80	21.49	155.173	-242.29	12.76	193.84	153.09	40.75	4.757	
7,500.00	7,485.72	7,496.57	7,492.32	24.16	21.81	155.281	-246.44	13.50	196.83	155.46	41.37	4.758	
7,600.00	7,585.48	7,596.52	7,592.18	24.52	22.13	155.385	-250.58	14.23	199.82	157.82	41.99	4.758	
7,700.00	7,685.24	7,696.48	7,692.05	24.88	22.45	155.486	-254.73	14.96	202.80	160.19	42.62	4.759	
7,800.00	7,784.99	7,796.43	7,791.92	25.24	22.77	155.585	-258.87	15.69	205.79	162.56	43.24	4.760	
7,900.00	7,884.75	7,896.39	7,891.78	25.60	23.09	155.680	-263.02	16.43	208.78	164.92	43.86	4.760	
8,000.00	7,984.51	7,996.34	7,991.65	25.96	23.41	155.773	-267.17	17.16	211.77	167.29	44.49	4.761	
8,100.00	8,084.26	8,096.30	8,091.51	26.32	23.73	155.864	-271.31	17.89	214.76	169.65	45.11	4.761	
8,200.00	8,184.02	8,196.25	8,191.38	26.68	24.05	155.951	-275.46	18.62	217.75	172.02	45.73	4.761	
8,300.00	8,283.78	8,296.21	8,291.25	27.04	24.38	156.037	-279.60	19.35	220.74	174.38	46.36	4.762	
8,400.00	8,383.53	8,396.16	8,391.11	27.40	24.70	156.120	-283.75	20.09	223.74	176.75	46.99	4.762	
8,500.00	8,483.29	8,496.12	8,490.98	27.76	25.02	156.201	-287.90	20.82	226.73	179.12	47.61	4.762	
8,600.00	8,583.05	8,596.07	8,590.84	28.12	25.34	156.280	-292.04	21.55	229.72	181.48	48.24	4.762	
8,700.00	8,682.80	8,696.02	8,690.71	28.48	25.66	156.356	-296.19	22.28	232.71	183.85	48.87	4.762	
8,800.00	8,782.56	8,795.98	8,790.58	28.85	25.98	156.431	-300.33	23.01	235.71	186.22	49.49	4.762	
8,900.00	8,882.32	8,895.93	8,890.44	29.21	26.31	156.504	-304.48	23.75	238.70	188.58	50.12	4.763	
9,000.00	8,982.07	8,995.89	8,990.31	29.57	26.63	156.575	-308.63	24.48	241.70	190.95	50.75	4.763	
9,100.00	9,081.83	9,095.84	9,090.17	29.93	26.95	156.645	-312.77	25.21	244.69	193.31	51.38	4.763	
9,200.00	9,181.59	9,195.80	9,190.04	30.30	27.27	156.713	-316.92	25.94	247.69	195.68	52.01	4.763	
9,300.00	9,281.34	9,295.75	9,289.91	30.66	27.59	156.779	-321.06	26.67	250.68	198.05	52.63	4.763	
9,400.00	9,381.10	9,395.71	9,389.77	31.02	27.92	156.843	-325.21	27.41	253.68	200.41	53.26	4.763	
9,500.00	9,480.86	9,495.66	9,489.64	31.39	28.24	156.906	-329.36	28.14	256.67	202.78	53.89	4.763	
9,600.00	9,580.61	9,595.62	9,589.50	31.75	28.56	156.968	-333.50	28.87	259.67	205.15	54.52	4.763	
9,700.00	9,680.37	9,695.57	9,689.37	32.11	28.89	157.028	-337.65	29.60	262.67	207.51	55.15	4.763	
9,800.00	9,780.13	9,795.53	9,789.24	32.48	29.21	157.087	-341.79	30.33	265.66	209.88	55.78	4.762	
9,900.00	9,879.88	9,895.48	9,889.10	32.84	29.53	157.145	-345.94	31.07	268.66	212.25	56.41	4.762	
10,000.00	9,979.64	9,995.44	9,988.97	33.20	29.85	157.201	-350.08	31.80	271.66	214.61	57.04	4.762	
10,100.00	10,079.39	10,095.39	10,088.83	33.57	30.18	157.256	-354.23	32.53	274.65	216.98	57.68	4.762	
10,200.00	10,179.15	10,195.35	10,188.70	33.93	30.50	157.310	-358.38	33.26	277.65	219.35	58.31	4.762	
10,300.00	10,278.91	10,295.30	10,288.57	34.29	30.82	157.362	-362.52	33.99	280.65	221.71	58.94	4.762	

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





## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 513H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Rule Assigned:</b>		<b>Warning</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>+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>	
10,400.00	10,378.66	10,395.26	10,388.43	34.66	31.15	157.414	-366.67	34.73	283.65	224.08	59.57	4.762	
10,500.00	10,478.42	10,495.21	10,488.30	35.02	31.47	157.465	-370.81	35.46	286.65	226.45	60.20	4.761	
10,600.00	10,578.18	10,595.16	10,588.16	35.39	31.79	157.514	-374.96	36.19	289.65	228.81	60.83	4.761	
10,700.00	10,677.93	10,695.12	10,688.03	35.75	32.12	157.562	-379.11	36.92	292.65	231.18	61.47	4.761	
10,800.00	10,777.69	10,795.07	10,787.90	36.12	32.44	157.610	-383.25	37.66	295.64	233.55	62.10	4.761	
10,900.00	10,877.45	10,895.03	10,887.76	36.48	32.77	157.656	-387.40	38.39	298.64	235.91	62.73	4.761	
11,000.00	10,977.20	10,994.98	10,987.63	36.85	33.09	157.702	-391.54	39.12	301.64	238.28	63.36	4.760	
11,100.00	11,076.96	11,094.94	11,087.49	37.21	33.41	157.747	-395.69	39.85	304.64	240.65	64.00	4.760	
11,200.00	11,176.72	11,194.89	11,187.36	37.57	33.74	157.790	-399.84	40.58	307.64	243.01	64.63	4.760	
11,300.00	11,276.47	11,294.85	11,287.23	37.94	34.06	157.833	-403.98	41.32	310.64	245.38	65.26	4.760	
11,400.00	11,376.23	11,394.80	11,387.09	38.30	34.39	157.876	-408.13	42.05	313.64	247.75	65.90	4.760	
11,500.00	11,475.99	11,494.76	11,486.96	38.67	34.71	157.917	-412.27	42.78	316.64	250.11	66.53	4.759	
11,510.34	11,486.30	11,505.09	11,497.28	38.71	34.74	157.921	-412.70	42.86	316.95	250.36	66.59	4.760	
11,600.00	11,575.83	11,594.74	11,586.85	39.02	35.03	157.873	-416.42	43.51	318.34	251.24	67.10	4.744	
11,700.00	11,675.80	11,694.71	11,686.73	39.33	35.36	157.571	-420.57	44.24	316.83	249.30	67.53	4.692	
11,710.24	11,686.04	11,704.94	11,696.96	39.34	35.39	-45.082	-420.99	44.32	316.50	248.95	67.55	4.686	
11,800.00	11,775.80	11,794.62	11,786.56	39.34	35.68	-45.479	-424.71	44.98	313.41	245.81	67.60	4.636	
11,900.00	11,875.80	11,894.53	11,886.38	39.35	36.01	-45.931	-428.86	45.71	309.99	242.33	67.66	4.581	
12,000.00	11,975.80	11,987.53	11,979.33	39.35	36.29	-46.237	-431.61	46.19	307.56	239.85	67.71	4.542	
12,059.77	12,035.57	12,043.77	12,035.57	39.35	36.36	-46.269	-431.90	46.24	307.31	239.58	67.73	4.537	
12,100.00	12,075.80	12,084.00	12,075.80	39.36	36.36	-46.269	-431.90	46.24	307.31	239.58	67.73	4.537	
12,200.00	12,175.80	12,184.00	12,175.80	39.36	36.36	-46.269	-431.90	46.24	307.31	239.57	67.74	4.537	
12,210.24	12,186.04	12,194.24	12,186.04	39.36	36.36	-46.269	-431.90	46.24	307.31	239.57	67.73	4.537	
12,250.00	12,225.77	12,233.97	12,225.77	39.43	36.36	134.397	-431.90	46.24	308.27	240.39	67.88	4.541	
12,300.00	12,275.43	12,283.63	12,275.43	39.69	36.36	134.852	-431.90	46.24	312.25	243.81	68.43	4.563	
12,350.00	12,324.42	12,332.62	12,324.42	39.98	36.36	135.601	-431.90	46.24	319.38	250.12	69.26	4.611	
12,400.00	12,372.35	12,380.55	12,372.35	40.29	36.37	136.563	-431.90	46.24	329.80	259.51	70.29	4.692	
12,450.00	12,418.86	12,427.06	12,418.86	40.60	36.37	137.634	-431.90	46.24	343.65	272.21	71.44	4.810	
12,500.00	12,463.61	12,471.81	12,463.61	40.91	36.37	138.703	-431.90	46.24	361.05	288.43	72.63	4.971	
12,550.00	12,506.24	12,514.44	12,506.24	41.22	36.37	139.660	-431.90	46.24	382.08	308.30	73.78	5.179	
12,600.00	12,546.43	12,593.45	12,585.10	41.50	36.60	142.566	-435.61	46.28	405.47	330.38	75.09	5.400	
12,650.00	12,583.88	12,707.15	12,696.05	41.78	37.33	146.145	-459.60	46.51	426.31	350.55	75.76	5.627	
12,700.00	12,618.30	12,841.39	12,817.83	42.03	38.23	148.977	-515.36	47.05	442.48	367.69	74.79	5.916	
12,750.00	12,649.43	12,994.13	12,936.26	42.27	39.14	150.670	-611.09	47.97	452.00	380.24	71.75	6.299	
12,800.00	12,677.04	13,156.09	13,029.57	42.47	39.88	150.917	-742.81	49.24	453.37	386.31	67.06	6.760	
12,850.00	12,700.91	13,287.29	13,075.35	42.66	40.23	150.029	-865.41	50.42	446.25	382.80	63.45	7.034	
12,900.00	12,720.86	13,437.25	13,093.00	42.81	40.39	147.652	-1,013.84	51.85	432.31	373.25	59.06	7.320	
12,950.00	12,736.74	13,484.65	13,093.00	42.94	40.40	147.280	-1,061.23	52.30	418.72	359.32	59.40	7.049	
13,000.00	12,748.43	13,533.24	13,093.00	43.04	40.41	146.957	-1,109.83	52.77	408.82	349.02	59.80	6.836	
13,050.00	12,755.84	13,582.68	13,093.00	43.11	40.43	146.730	-1,159.26	53.25	402.59	342.32	60.27	6.680	
13,100.00	12,758.91	13,632.57	13,093.00	43.15	40.44	146.631	-1,209.14	53.73	400.02	339.22	60.80	6.579	
13,110.24	12,759.00	13,642.81	13,093.00	43.16	40.44	146.628	-1,219.39	53.83	399.95	339.04	60.90	6.567	
13,200.00	12,759.00	13,732.57	13,093.00	43.21	40.47	146.628	-1,309.14	54.69	399.95	338.15	61.79	6.472	
13,300.00	12,759.00	13,832.57	13,093.00	43.28	40.51	146.628	-1,409.13	55.65	399.95	337.11	62.83	6.365	
13,400.00	12,759.00	13,932.57	13,093.00	43.36	40.55	146.628	-1,509.13	56.62	399.95	336.02	63.92	6.257	
13,500.00	12,759.00	14,032.57	13,093.00	43.45	40.59	146.628	-1,609.13	57.58	399.95	334.89	65.06	6.147	
13,600.00	12,759.00	14,132.57	13,093.00	43.56	40.65	146.628	-1,709.12	58.54	399.95	333.70	66.24	6.038	
13,700.00	12,759.00	14,232.57	13,093.00	43.70	40.71	146.628	-1,809.12	59.50	399.94	332.48	67.46	5.928	
13,800.00	12,759.00	14,332.57	13,093.00	43.86	40.79	146.628	-1,909.11	60.47	399.94	331.22	68.72	5.820	
13,900.00	12,759.00	14,432.57	13,093.00	44.05	40.88	146.628	-2,009.11	61.43	399.94	329.92	70.02	5.712	
14,000.00	12,759.00	14,532.57	13,093.00	44.28	41.00	146.628	-2,109.10	62.39	399.94	328.59	71.36	5.605	
14,100.00	12,759.00	14,632.57	13,093.00	44.57	41.15	146.628	-2,209.10	63.35	399.94	327.22	72.73	5.499	

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: El Campeon Fed Com (NAD83) - El Campeon Fed Com 513H - OH - Plan 1 08-31-22													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HRGM					Rule Assigned:							Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,200.00	12,759.00	14,732.57	13,093.00	44.91	41.37	146.628	-2,309.09	64.32	399.94	325.82	74.13	5.395			
14,300.00	12,759.00	14,832.57	13,093.00	45.32	41.69	146.628	-2,409.09	65.28	399.94	324.39	75.56	5.293			
14,400.00	12,759.00	14,932.57	13,093.00	45.81	42.16	146.628	-2,509.08	66.24	399.94	322.93	77.02	5.193			
14,500.00	12,759.00	15,032.57	13,093.00	46.40	42.85	146.628	-2,609.08	67.21	399.94	321.44	78.50	5.095			
14,600.00	12,759.00	15,132.57	13,093.00	47.09	43.74	146.628	-2,709.07	68.17	399.94	319.93	80.01	4.999			
14,700.00	12,759.00	15,232.57	13,093.00	47.88	44.79	146.628	-2,809.07	69.13	399.94	318.40	81.54	4.905			
14,800.00	12,759.00	15,332.57	13,093.00	48.76	45.94	146.628	-2,909.07	70.09	399.94	316.84	83.10	4.813			
14,900.00	12,759.00	15,432.57	13,093.00	49.72	47.17	146.628	-3,009.06	71.06	399.94	315.27	84.68	4.723			
15,000.00	12,759.00	15,532.57	13,093.00	50.75	48.43	146.628	-3,109.06	72.02	399.94	313.67	86.28	4.636			
15,100.00	12,759.00	15,632.57	13,093.00	51.84	49.72	146.628	-3,209.05	72.98	399.94	312.05	87.89	4.550			
15,200.00	12,759.00	15,732.57	13,093.00	52.98	51.04	146.628	-3,309.05	73.94	399.94	310.42	89.53	4.467			
15,300.00	12,759.00	15,832.57	13,093.00	54.15	52.36	146.628	-3,409.04	74.91	399.94	308.76	91.18	4.386			
15,400.00	12,759.00	15,932.57	13,093.00	55.36	53.70	146.628	-3,509.04	75.87	399.94	307.10	92.85	4.308			
15,500.00	12,759.00	16,032.57	13,093.00	56.60	55.05	146.628	-3,609.03	76.83	399.94	305.41	94.53	4.231			
15,600.00	12,759.00	16,132.57	13,093.00	57.85	56.41	146.628	-3,709.03	77.79	399.94	303.72	96.23	4.156			
15,700.00	12,759.00	16,232.57	13,093.00	59.13	57.77	146.628	-3,809.02	78.76	399.94	302.01	97.94	4.084			
15,800.00	12,759.00	16,332.57	13,093.00	60.42	59.14	146.628	-3,909.02	79.72	399.94	300.28	99.66	4.013			
15,900.00	12,759.00	16,432.57	13,093.00	61.72	60.51	146.628	-4,009.01	80.68	399.94	298.55	101.40	3.944			
16,000.00	12,759.00	16,532.57	13,093.00	63.04	61.89	146.629	-4,109.01	81.65	399.94	296.80	103.14	3.877			
16,100.00	12,759.00	16,632.57	13,093.00	64.36	63.26	146.629	-4,209.00	82.61	399.94	295.04	104.90	3.812			
16,200.00	12,759.00	16,732.57	13,093.00	65.69	64.65	146.629	-4,309.00	83.57	399.94	293.27	106.67	3.749			
16,300.00	12,759.00	16,832.57	13,093.00	67.03	66.03	146.629	-4,409.00	84.53	399.94	291.49	108.45	3.688			
16,400.00	12,759.00	16,932.57	13,093.00	68.37	67.42	146.629	-4,508.99	85.50	399.94	289.70	110.24	3.628			
16,500.00	12,759.00	17,032.57	13,093.00	69.73	68.81	146.629	-4,608.99	86.46	399.94	287.90	112.04	3.570			
16,600.00	12,759.00	17,132.57	13,093.00	71.08	70.20	146.629	-4,708.98	87.42	399.94	286.09	113.85	3.513			
16,700.00	12,759.00	17,232.57	13,093.00	72.44	71.60	146.629	-4,808.98	88.38	399.94	284.28	115.66	3.458			
16,800.00	12,759.00	17,332.57	13,093.00	73.81	73.00	146.629	-4,908.97	89.35	399.94	282.46	117.48	3.404			
16,900.00	12,759.00	17,432.57	13,093.00	75.18	74.39	146.629	-5,008.97	90.31	399.94	280.63	119.31	3.352			
17,000.00	12,759.00	17,532.57	13,093.00	76.55	75.79	146.629	-5,108.96	91.27	399.94	278.79	121.15	3.301			
17,100.00	12,759.00	17,632.57	13,093.00	77.92	77.20	146.629	-5,208.96	92.23	399.94	276.94	123.00	3.252			
17,200.00	12,759.00	17,732.57	13,093.00	79.30	78.60	146.629	-5,308.95	93.20	399.94	275.09	124.85	3.203			
17,300.00	12,759.00	17,832.57	13,093.00	80.68	80.00	146.629	-5,408.95	94.16	399.94	273.23	126.71	3.156			
17,400.00	12,759.00	17,932.57	13,093.00	82.07	81.41	146.629	-5,508.94	95.12	399.94	271.37	128.57	3.111			
17,500.00	12,759.00	18,032.57	13,093.00	83.45	82.82	146.629	-5,608.94	96.09	399.94	269.50	130.44	3.066			
17,600.00	12,759.00	18,132.57	13,093.00	84.84	84.22	146.629	-5,708.94	97.05	399.94	267.63	132.31	3.023			
17,700.00	12,759.00	18,232.57	13,093.00	86.23	85.63	146.629	-5,808.93	98.01	399.94	265.75	134.19	2.980			
17,800.00	12,759.00	18,332.57	13,093.00	87.62	87.04	146.629	-5,908.93	98.97	399.94	263.86	136.08	2.939			
17,900.00	12,759.00	18,432.57	13,093.00	89.01	88.45	146.629	-6,008.92	99.94	399.94	261.97	137.97	2.899			
18,000.00	12,759.00	18,532.57	13,093.00	90.41	89.86	146.629	-6,108.92	100.90	399.94	260.08	139.86	2.860			
18,100.00	12,759.00	18,632.57	13,093.00	91.80	91.28	146.629	-6,208.91	101.86	399.94	258.18	141.76	2.821			
18,200.00	12,759.00	18,732.57	13,093.00	93.20	92.69	146.629	-6,308.91	102.82	399.94	256.28	143.66	2.784			
18,300.00	12,759.00	18,832.57	13,093.00	94.60	94.10	146.629	-6,408.90	103.79	399.94	254.37	145.57	2.747			
18,400.00	12,759.00	18,932.57	13,093.00	96.00	95.52	146.629	-6,508.90	104.75	399.94	252.46	147.48	2.712			
18,500.00	12,759.00	19,032.57	13,093.00	97.40	96.93	146.629	-6,608.89	105.71	399.94	250.54	149.39	2.677			
18,600.00	12,759.00	19,132.57	13,093.00	98.81	98.35	146.629	-6,708.89	106.68	399.94	248.62	151.31	2.643			
18,700.00	12,759.00	19,232.57	13,093.00	100.21	99.76	146.629	-6,808.88	107.64	399.94	246.70	153.24	2.610			
18,800.00	12,759.00	19,332.57	13,093.00	101.62	101.18	146.629	-6,908.88	108.60	399.94	244.78	155.16	2.578			
18,900.00	12,759.00	19,432.57	13,093.00	103.02	102.60	146.629	-7,008.88	109.56	399.94	242.85	157.09	2.546			
19,000.00	12,759.00	19,532.57	13,093.00	104.43	104.02	146.629	-7,108.87	110.53	399.94	240.92	159.02	2.515			
19,100.00	12,759.00	19,632.57	13,093.00	105.84	105.43	146.629	-7,208.87	111.49	399.94	238.98	160.96	2.485			
19,200.00	12,759.00	19,732.57	13,093.00	107.24	106.85	146.629	-7,308.86	112.45	399.94	237.04	162.89	2.455			
19,300.00	12,759.00	19,832.57	13,093.00	108.65	108.27	146.630	-7,408.86	113.41	399.94	235.10	164.83	2.426			

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



## Anticollision Report



<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> El Campeon Fed Com (NAD83) - El Campeon Fed Com 513H - OH - Plan 1 08-31-22													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-MWD+HRGM													<b>Offset Well Error:</b> 1.00 usft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>Minimum</b>	<b>Separation</b>	<b>Warning</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>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>Separation (usft)</b>	<b>Factor</b>	
19,400.00	12,759.00	19,932.57	13,093.00	110.06	109.69	146.630	-7,508.85	114.38	399.94	233.16	166.78	2.398	
19,500.00	12,759.00	20,032.57	13,093.00	111.47	111.11	146.630	-7,608.85	115.34	399.94	231.21	168.72	2.370	
19,600.00	12,759.00	20,132.57	13,093.00	112.89	112.53	146.630	-7,708.84	116.30	399.94	229.27	170.67	2.343	
19,700.00	12,759.00	20,232.57	13,093.00	114.30	113.95	146.630	-7,808.84	117.26	399.94	227.31	172.62	2.317	
19,800.00	12,759.00	20,332.57	13,093.00	115.71	115.38	146.630	-7,908.83	118.23	399.94	225.36	174.58	2.291	
19,900.00	12,759.00	20,432.57	13,093.00	117.12	116.80	146.630	-8,008.83	119.19	399.94	223.41	176.53	2.266	
20,000.00	12,759.00	20,532.57	13,093.00	118.54	118.22	146.630	-8,108.82	120.15	399.94	221.45	178.49	2.241	
20,100.00	12,759.00	20,632.57	13,093.00	119.95	119.64	146.630	-8,208.82	121.12	399.94	219.49	180.45	2.216	
20,200.00	12,759.00	20,732.57	13,093.00	121.37	121.07	146.630	-8,308.82	122.08	399.94	217.53	182.41	2.193	
20,300.00	12,759.00	20,832.57	13,093.00	122.78	122.49	146.630	-8,408.81	123.04	399.94	215.56	184.37	2.169	
20,400.00	12,759.00	20,932.57	13,093.00	124.20	123.91	146.630	-8,508.81	124.00	399.94	213.60	186.34	2.146	
20,500.00	12,759.00	21,032.57	13,093.00	125.61	125.34	146.630	-8,608.80	124.97	399.94	211.63	188.31	2.124	
20,600.00	12,759.00	21,132.57	13,093.00	127.03	126.76	146.630	-8,708.80	125.93	399.94	209.66	190.28	2.102	
20,700.00	12,759.00	21,232.57	13,093.00	128.45	128.19	146.630	-8,808.79	126.89	399.94	207.69	192.25	2.080	
20,800.00	12,759.00	21,332.57	13,093.00	129.87	129.61	146.630	-8,908.79	127.85	399.93	205.71	194.22	2.059	
20,900.00	12,759.00	21,432.57	13,093.00	131.29	131.03	146.630	-9,008.78	128.82	399.93	203.74	196.20	2.038	
21,000.00	12,759.00	21,532.57	13,093.00	132.70	132.46	146.630	-9,108.78	129.78	399.93	201.76	198.17	2.018	
21,100.00	12,759.00	21,632.57	13,093.00	134.12	133.89	146.630	-9,208.77	130.74	399.93	199.78	200.15	1.998	
21,200.00	12,759.00	21,732.57	13,093.00	135.54	135.31	146.630	-9,308.77	131.70	399.93	197.80	202.13	1.979	
21,300.00	12,759.00	21,832.57	13,093.00	136.96	136.74	146.630	-9,408.76	132.67	399.93	195.82	204.11	1.959	
21,400.00	12,759.00	21,932.57	13,093.00	138.38	138.16	146.630	-9,508.76	133.63	399.93	193.84	206.09	1.941	
21,500.00	12,759.00	22,032.57	13,093.00	139.80	139.59	146.630	-9,608.75	134.59	399.93	191.86	208.08	1.922	
21,600.00	12,759.00	22,132.57	13,093.00	141.22	141.02	146.630	-9,708.75	135.56	399.93	189.87	210.06	1.904	
21,700.00	12,759.00	22,232.57	13,093.00	142.65	142.44	146.630	-9,808.75	136.52	399.93	187.89	212.05	1.886	
21,800.00	12,759.00	22,332.57	13,093.00	144.07	143.87	146.630	-9,908.74	137.48	399.93	185.90	214.04	1.869	
21,900.00	12,759.00	22,432.57	13,093.00	145.49	145.30	146.630	-10,008.74	138.44	399.93	183.91	216.02	1.851	
22,000.00	12,759.00	22,532.57	13,093.00	146.91	146.72	146.630	-10,108.73	139.41	399.93	181.92	218.01	1.834	
22,100.00	12,759.00	22,632.57	13,093.00	148.33	148.15	146.630	-10,208.73	140.37	399.93	179.93	220.01	1.818	
22,125.24	12,759.00	22,657.81	13,093.00	148.69	148.51	146.630	-10,233.97	140.61	399.93	179.43	220.51	1.814 SF	

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



## Anticollision Report

# TITUS

OIL GAS LLC

<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to RKB @ 3201.50usft (TBD)

Offset Depths are relative to Offset Datum

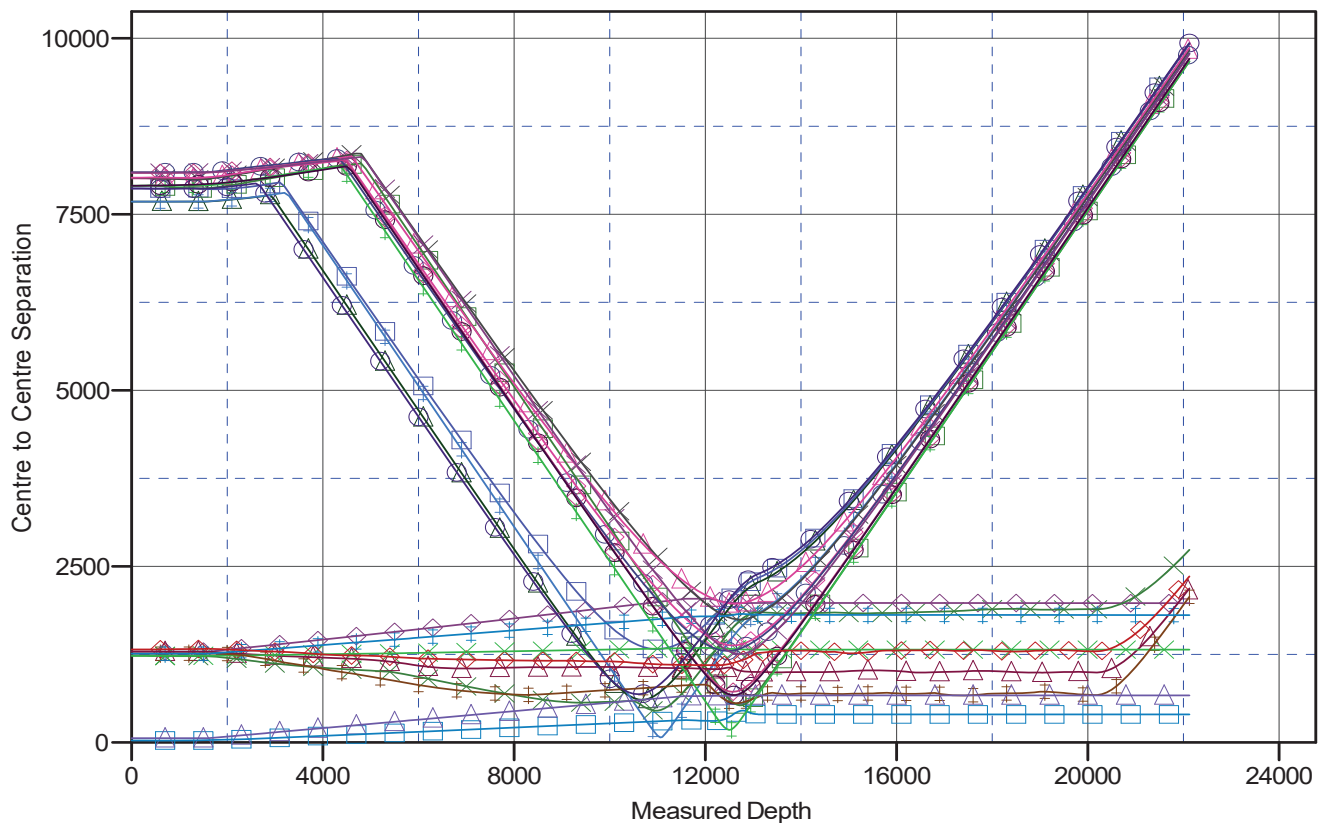
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: El Campeon Fed Com 433H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.502°

## Ladder Plot



### LEGEND

● Cattlemen Red Com 123H, OH / 69915, Surveys (H&P 616) V0	● El Campeon Red Com 432H, OH, Plan 1 08-31-22 V0	● Cattlemen Red Com 434H, OH / 67733, Surveys (H&P 474) V0
● El Campeon Red Com 412H, OH, Plan 1 08-31-22 V0	● 434H, OH / 6823, Surveys (H&P 474) V0	● Cattlemen Red Com 514H, OH / 67734, Surveys (H&P 474) V0
● Cattlemen Red Com 213H, OH / 69914, Surveys (H&P 616) V0	● 512H, OH / 6837, Surveys (H&P 625) V0	● El Campeon Red Com 413H, OH, Plan 1 08-31-22 V0
● Cattlemen Red Com 204H, OH / 69917, Surveys (H&P 656) V0	● El Campeon Red Com 512H, OH, Plan 1 08-31-22 V0	● 433H, OH / 68696, Surveys (H&P 656) V0
● 214H, OH / 6821, Surveys (H&P 474) V0	● 432H, OH / 6836, Surveys (H&P 625) V0	● Cattlemen Red Com 114H, OH / 69918, Surveys (H&P 656) V0
● 513H, OH / 6905, Surveys (H&P 656) V0	● Cattlemen Red Com 404H, OH / 67732, Surveys (H&P 474) V0	● 404H, OH / 6822, Surveys (H&P 474) V0
● 422H, OH / 6835, Surveys (H&P 625) V0	● El Campeon Red Com 513H, OH, Plan 1 08-31-22 V0	
● 514H, OH / 6824, Surveys (H&P 474) V0	● 403H, OH / 6904, Surveys (H&P 656) V0	

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



## Anticollision Report

# TITUS

OIL GAS LLC

<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Reference Site:</b>	El Campeon Fed Com (NAD83)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	1.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OH	<b>Database:</b>	USA Compass
<b>Reference Design:</b>	Plan 1 08-31-22	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to RKB @ 3201.50usft (TBD)

Offset Depths are relative to Offset Datum

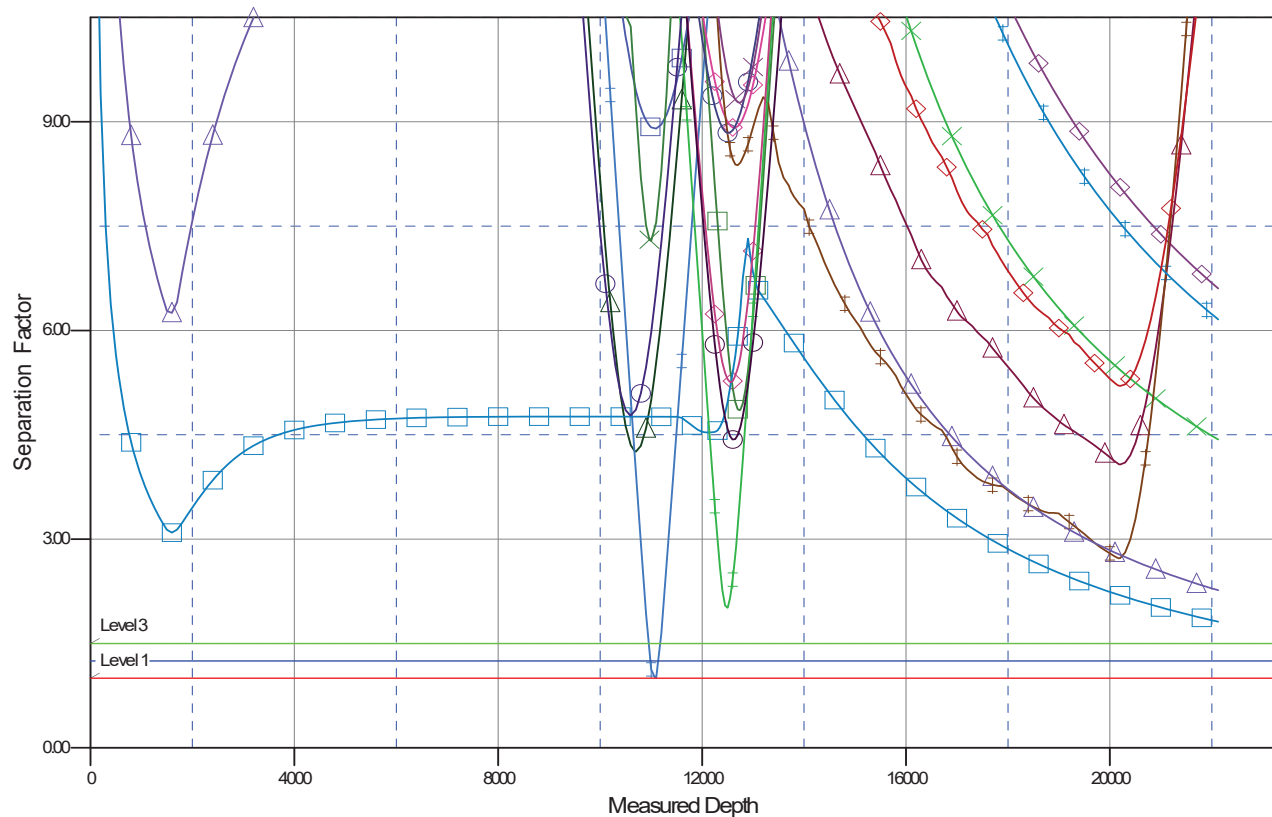
Central Meridian is 104° 19' 60.000000 W

Coordinates are relative to: El Campeon Fed Com 433H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.502°

## Separation Factor Plot



### LEGEND

● Cattlemen Red Com 123H, OH / 69915, Surveys (H&P 616) V0	● El Campeon Red Com 432H, OH, Plan 1 08-31-22 V0	● Cattlemen Red Com 434H, OH / 67733, Surveys (H&P 474) V0
● El Campeon Red Com 412H, OH, Plan 1 08-31-22 V0	● 434H, OH / 6823, Surveys (H&P 474) V0	● Cattlemen Red Com 514H, OH / 67734, Surveys (H&P 474) V0
● Cattlemen Red Com 213H, OH / 69914, Surveys (H&P 616) V0	● 512H, OH / 6837, Surveys (H&P 625) V0	● El Campeon Red Com 413H, OH, Plan 1 08-31-22 V0
● Cattlemen Red Com 204H, OH / 69917, Surveys H&P 656) V0	● El Campeon Red Com 512H, OH, Plan 1 08-31-22 V0	● 433H, OH / 68696, Surveys (H&P 656) V0
● 214H, OH / 6821, Surveys (H&P 474) V0	● 432H, OH / 6836, Surveys (H&P 625) V0	● Cattlemen Red Com 114H, OH / 69918, Surveys (H&P 656) V0
● 513H, OH / 6805, Surveys (H&P 656) V0	● Cattlemen Red Com 404H, OH / 67732, Surveys (H&P 474) V0	● 404H, OH / 6822, Surveys (H&P 474) V0
● 422H, OH / 6835, Surveys (H&P 625) V0	● El Campeon Red Com 513H, OH, Plan 1 08-31-22 V0	
● 514H, OH / 6824, Surveys (H&P 474) V0	● 403H, OH / 6804, Surveys (H&P 656) V0	

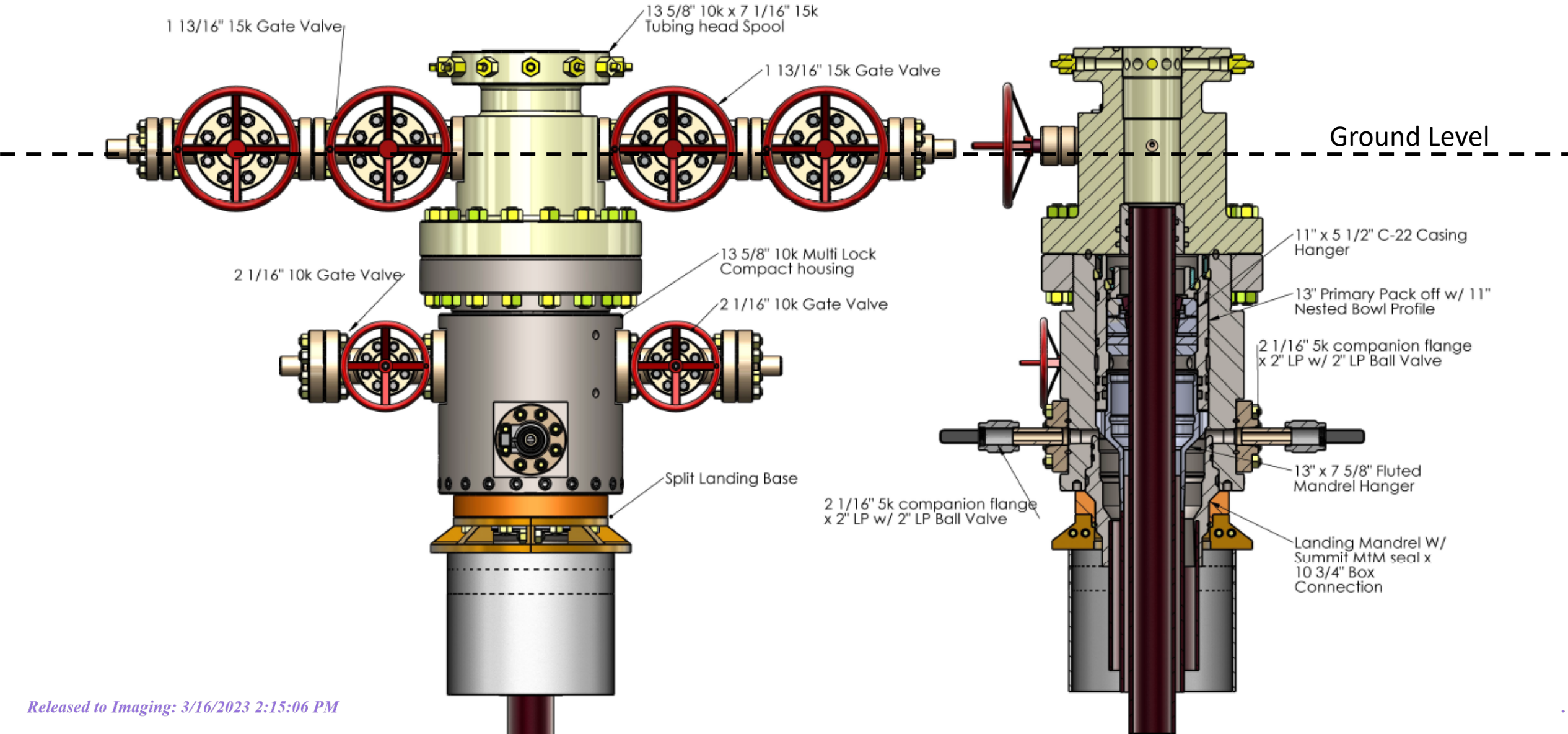
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# 13 5/8" 10k Multi Lock Wellhead System

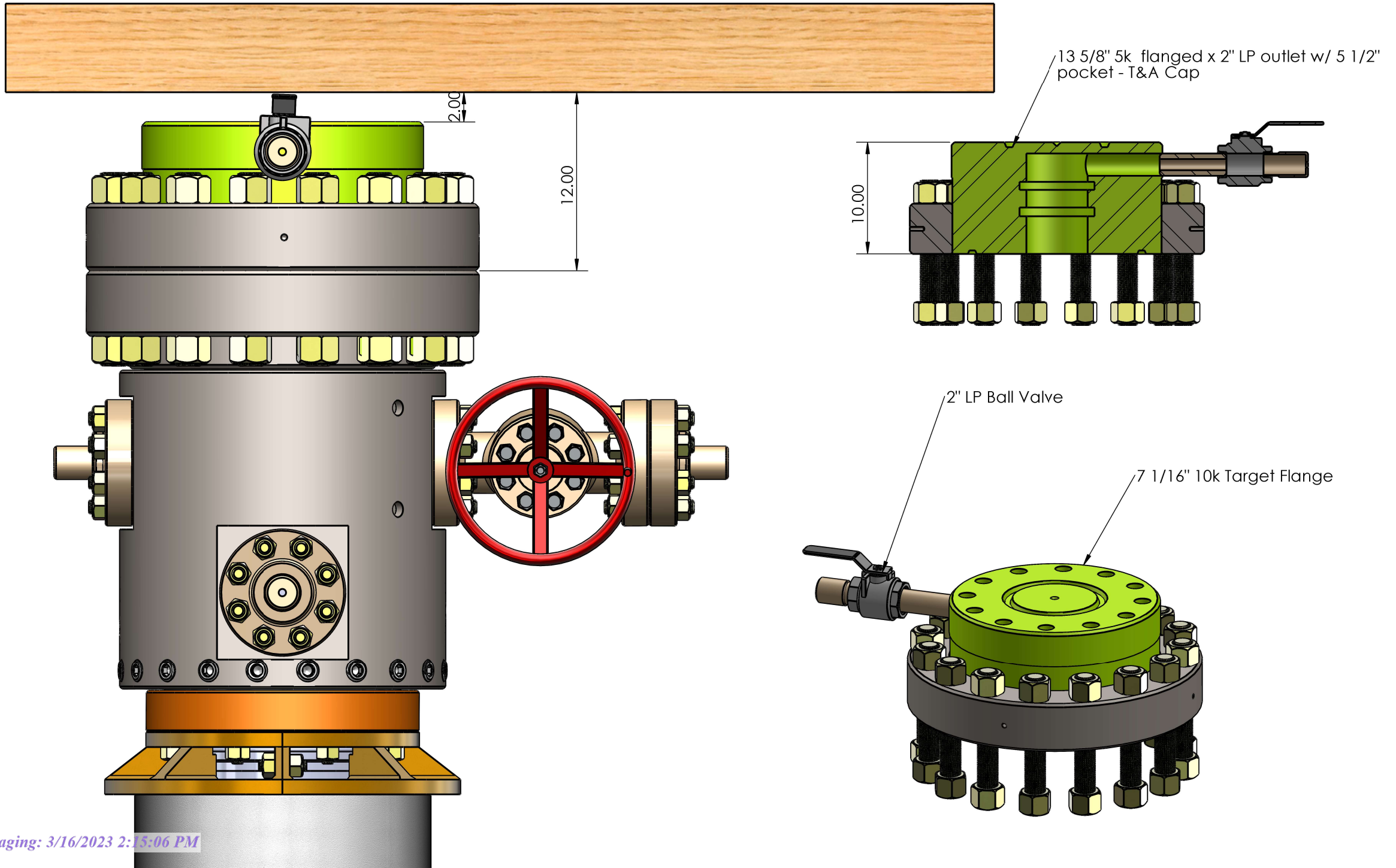
## 3 String Slim Hole

### 10 3/4" x 7 5/8" x 5 1/2"





# 13 5/8" 5k T&A Cap





RKB @ 3201.50usft (TBD)

Ground Level: 3175.00

WELL DETAILS

+N/-S	+E/-W	Northing	Ground Level: Easting	3175.00	Latitude	Longitude
0.00	0.00	373432.06	834597.16	32° 1' 23.212486 N	103° 23' 13.486256 W	

DESIGN TARGET DETAILS

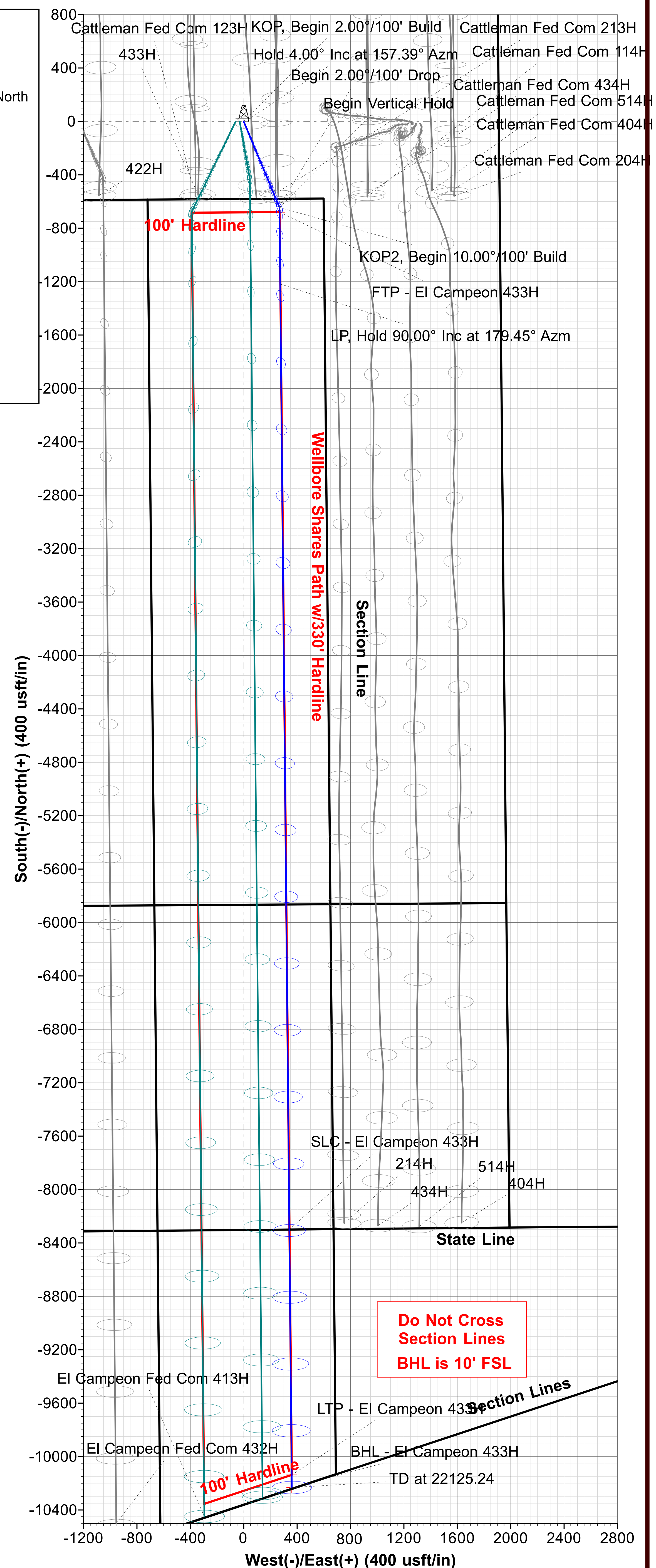
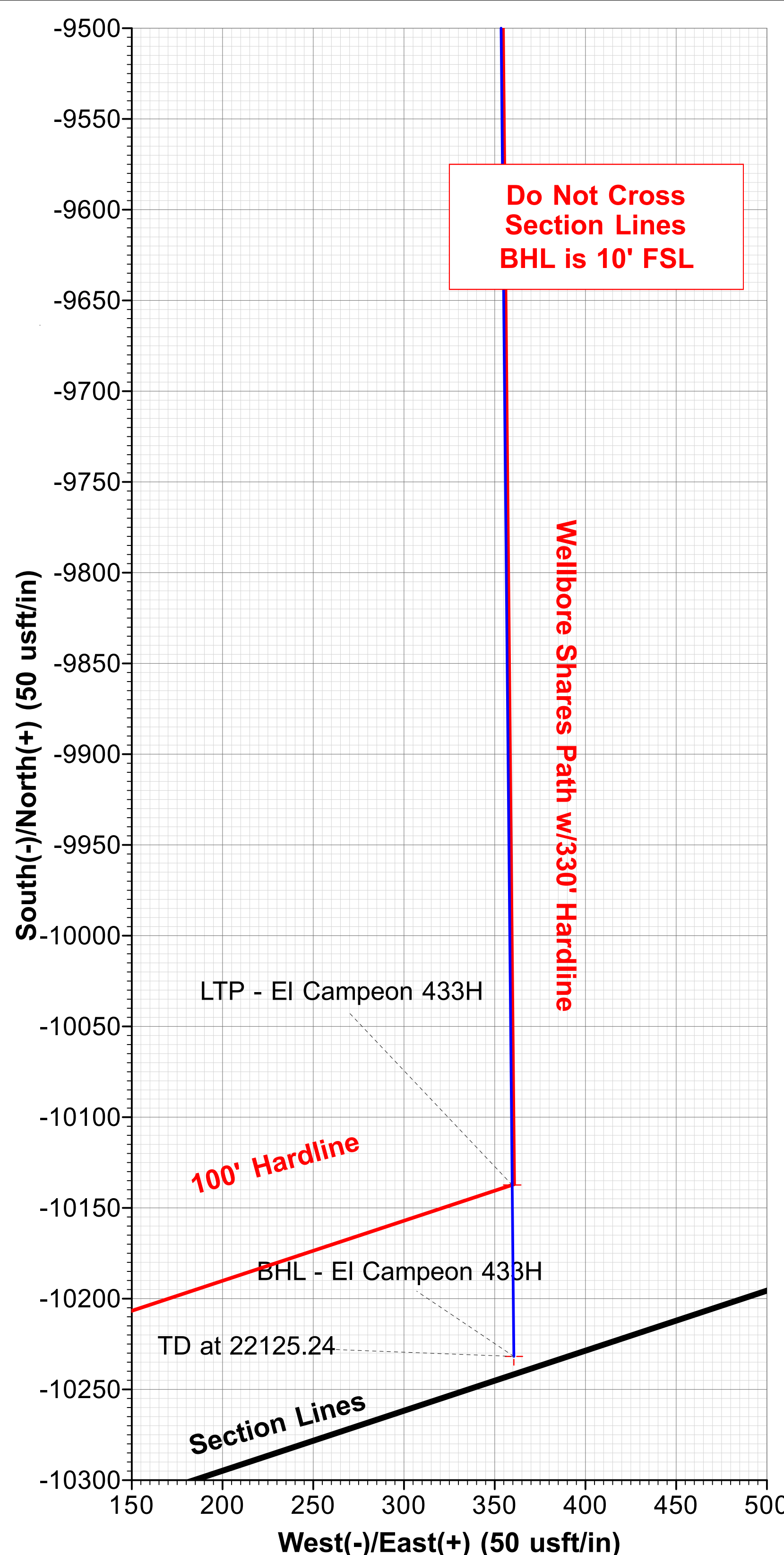
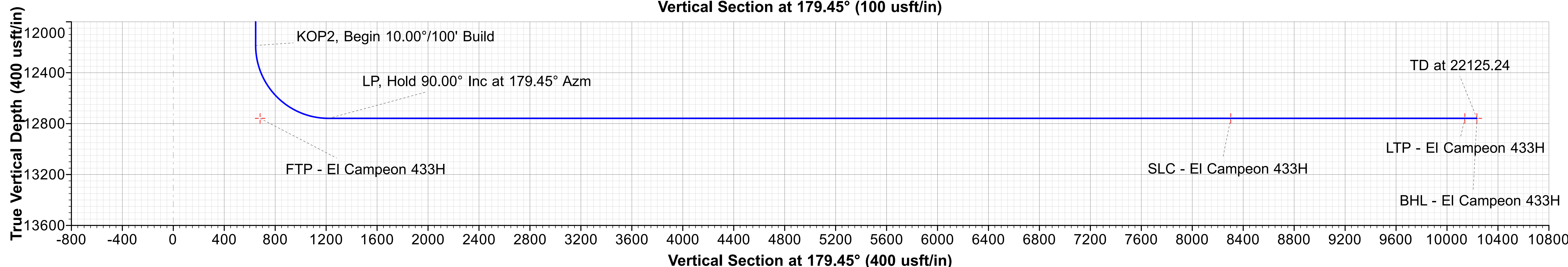
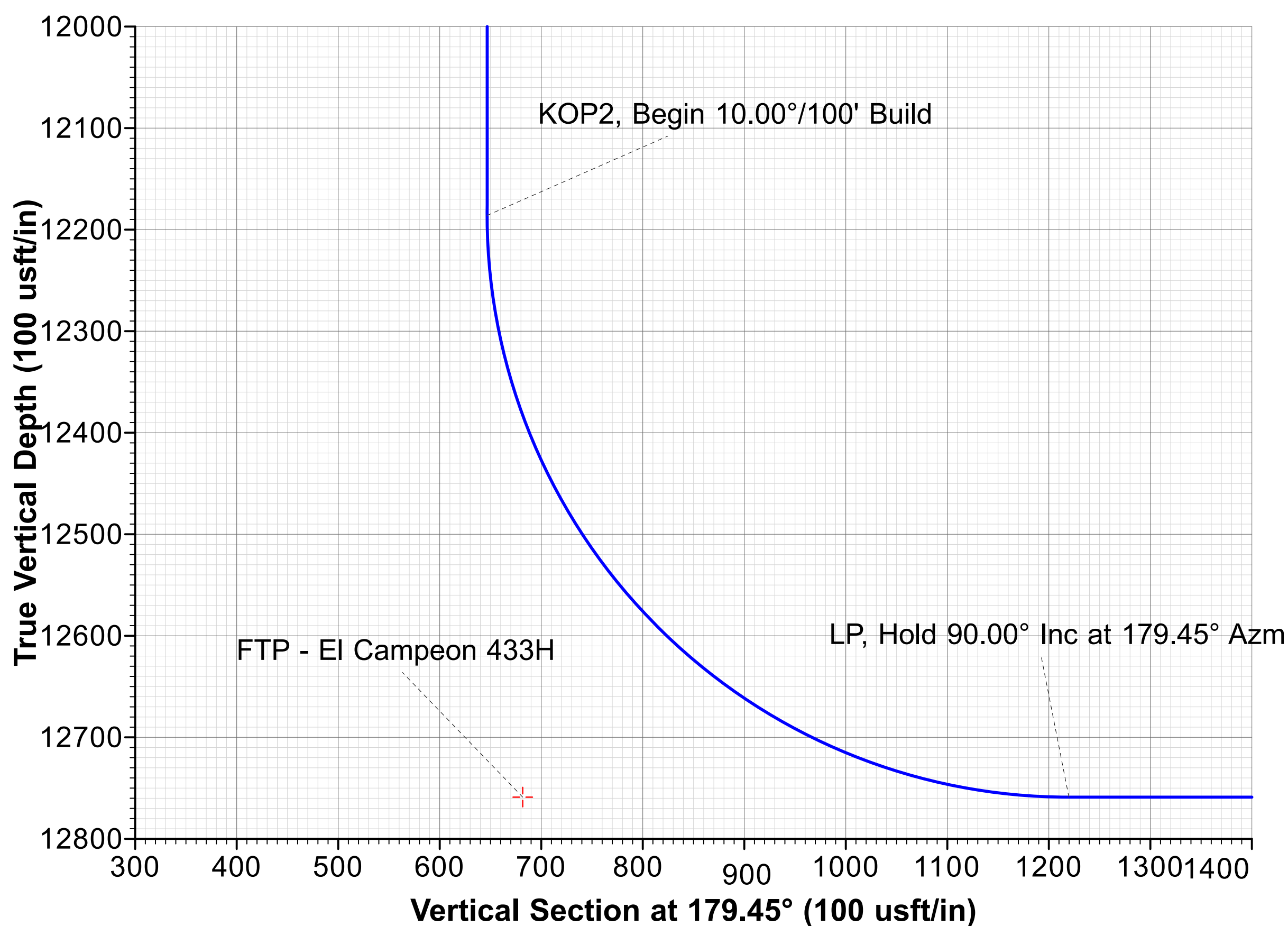
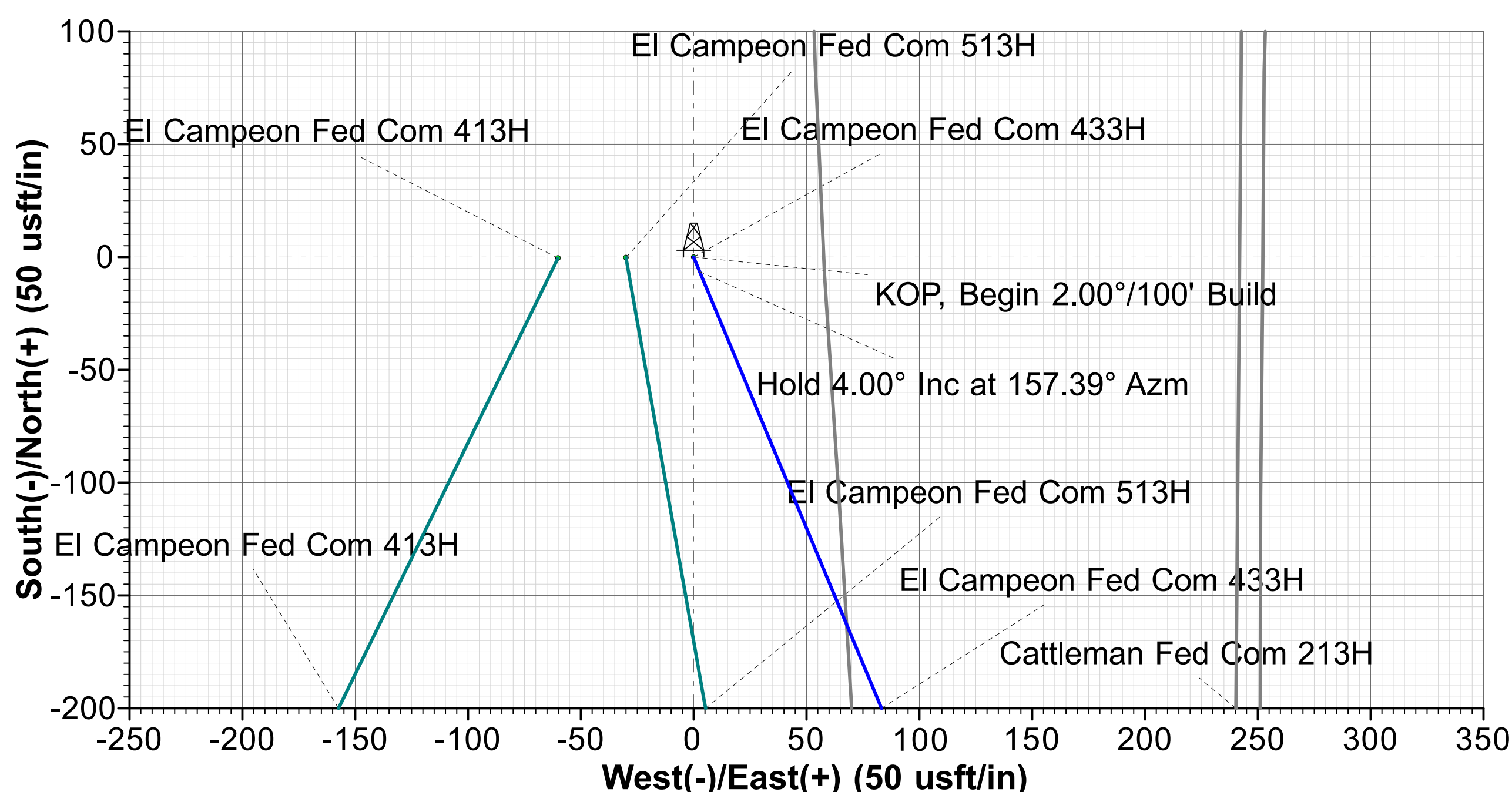
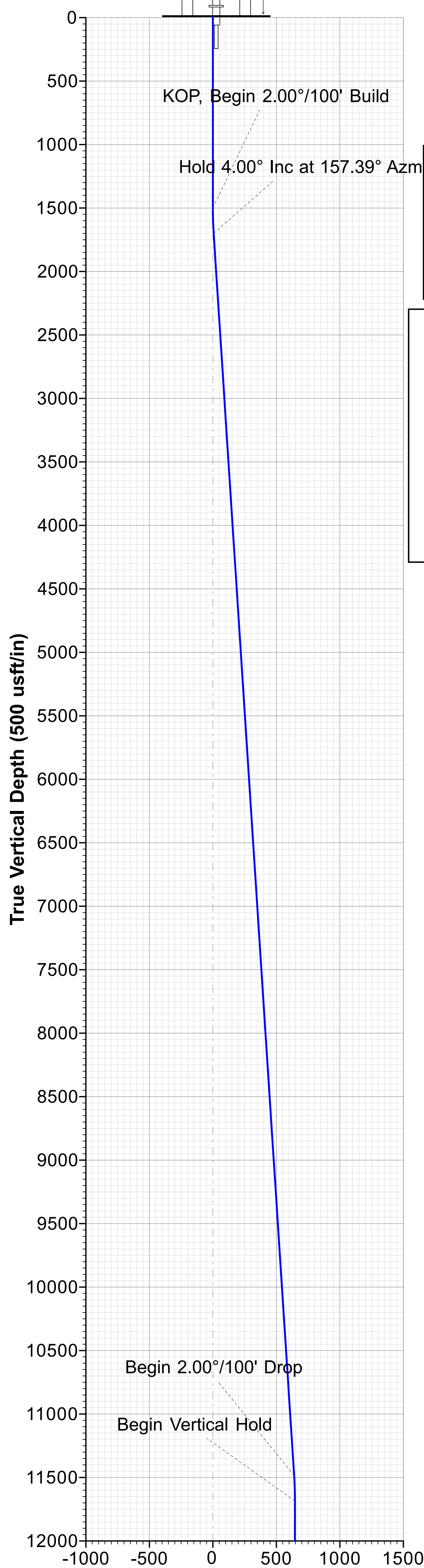
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - El Campeon 433H	12759.00	-10231.85	360.58	363200.21	834957.74	31° 59' 41.936609 N	103° 23' 10.339610 W
FTP - El Campeon 433H	12759.00	-679.32	268.64	372752.74	834865.80	32° 1' 16.467306 N	103° 23' 10.435253 W
LTP - El Campeon 433H	12759.00	-10137.36	359.65	363294.70	834956.81	31° 59' 42.871674 N	103° 23' 10.340798 W
SLC - El Campeon 433H	12759.00	-8299.54	341.96	365132.52	834939.12	32° 0' 1.058551 N	103° 23' 10.359267 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00		
2	1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.000	0.00		KOP, Begin 2.00°/100' Build
3	1699.91	4.00	157.39	1699.74	-6.44	2.68	2.00	157.393	6.46		Hold 4.00° Inc at 157.39° Azm
4	11510.34	4.00	157.39	11486.30	-637.90	265.62	0.00	0.000	640.42		Begin 2.00°/100' Drop
5	11710.24	0.00	0.00	11686.04	-644.34	268.30	2.00	180.000	646.88		Begin Vertical Hold
6	12210.24	0.00	0.00	12186.04	-644.34	268.30	0.00	0.000	646.88		KOP2, Begin 10.00°/100' Build
7	13110.24	90.00	179.45	12759.00	-1217.27	273.82	10.00	179.449	1219.84		LP, Hold 90.00° Inc at 179.45° Azm
8	22125.24	90.00	179.45	12759.00	-10231.85	360.58	0.00	0.000	0234.84		BHL - El Campeon 433H

Map System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone Name: New Mexico Eastern Zone  
Local Origin: Well El Campeon Fed Com 433H, Grid North  
Latitude: 32° 1' 23.212486 N  
Longitude: 103° 23' 13.486256 W  
Grid East: 834597.16  
Grid North: 373432.06  
Scale Factor: 1.000

Geomagnetic Model: MVHD  
Sample Date: 30-Sep-22  
Magnetic Declination: 6.243°  
Dip Angle from Horizontal: 59.579°  
Magnetic Field Strength: 47315.78101834nT  
To convert a Magnetic Direction to a Grid Direction, Add 5.741°  
To convert a Magnetic Direction to a True Direction, Add 6.243° East  
To convert a True Direction to a Grid Direction, Subtract 0.502°







## **Titus Oil & Gas Production, LLC**

**Lea County, NM - (NAD83 NME)**

**El Campeon Fed Com (NAD83)**

**El Campeon Fed Com 433H**

**OH**

**Plan: Plan 1 08-31-22**

## **Standard Planning Report**

**31 August, 2022**





## Planning Report



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site:</b>	El Campeon Fed Com (NAD83)	<b>North Reference:</b>	Grid
<b>Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 08-31-22		

<b>Project</b>	Lea County, NM - (NAD83 NME)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	New Mexico Eastern Zone		

Site	El Campeon Fed Com (NAD83)					
Site Position:		Northing:	373,195.63 usft	Latitude:	32° 1' 20.984376 N	
From:	Map	Easting:	833,309.19 usft	Longitude:	103° 23' 28.469580 W	
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.500

Well	El Campeon Fed Com 433H					
Well Position	+N/-S	236.43 usft	Northing:	373,432.06 usft	Latitude:	32° 1' 23.212486 N
	+E/-W	1,287.97 usft	Easting:	834,597.16 usft	Longitude:	103° 23' 13.486256 W
Position Uncertainty		1.00 usft	Wellhead Elevation:		Ground Level:	3,175.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	MVHD	9/30/2022	6.243	59.579	47,315.78101834

<b>Design</b>	Plan 1 08-31-22			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	179.45

<b>Plan Survey Tool Program</b>	<b>Date</b>	8/31/2022		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	22,125.24 Plan 1 08-31-22 (OH)	MWD+HRGM	
			OWSG MWD + HRGM	

<b>Plan Sections</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>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	<b>TFO (°)</b>	<b>Target</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,699.91	4.00	157.39	1,699.74	-6.44	2.68	2.00	2.00	0.00	157.393	
11,510.34	4.00	157.39	11,486.30	-637.90	265.62	0.00	0.00	0.00	0.000	
11,710.24	0.00	0.01	11,686.04	-644.34	268.30	2.00	-2.00	0.00	180.000	
12,210.24	0.00	0.01	12,186.04	-644.34	268.30	0.00	0.00	0.00	0.000	
13,110.24	90.00	179.45	12,759.00	-1,217.27	273.82	10.00	10.00	0.00	179.449	
22,125.24	90.00	179.45	12,759.00	-10,231.85	360.58	0.00	0.00	0.00	0.000	BHL - El Campeon 43



## Planning Report



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site:</b>	El Campeon Fed Com (NAD83)	<b>North Reference:</b>	Grid
<b>Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 08-31-22		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KOP, Begin 2.00°/100' Build</b>									
1,600.00	2.00	157.39	1,599.98	-1.61	0.67	1.62	2.00	2.00	0.00
1,699.91	4.00	157.39	1,699.74	-6.44	2.68	6.46	2.00	2.00	0.00
<b>Hold 4.00° Inc at 157.39° Azm</b>									
1,700.00	4.00	157.39	1,699.84	-6.44	2.68	6.47	0.00	0.00	0.00
1,800.00	4.00	157.39	1,799.59	-12.88	5.36	12.93	0.00	0.00	0.00
1,900.00	4.00	157.39	1,899.35	-19.32	8.04	19.39	0.00	0.00	0.00
2,000.00	4.00	157.39	1,999.11	-25.75	10.72	25.85	0.00	0.00	0.00
2,100.00	4.00	157.39	2,098.86	-32.19	13.40	32.32	0.00	0.00	0.00
2,200.00	4.00	157.39	2,198.62	-38.63	16.08	38.78	0.00	0.00	0.00
2,300.00	4.00	157.39	2,298.38	-45.06	18.76	45.24	0.00	0.00	0.00
2,400.00	4.00	157.39	2,398.13	-51.50	21.44	51.70	0.00	0.00	0.00
2,500.00	4.00	157.39	2,497.89	-57.94	24.12	58.16	0.00	0.00	0.00
2,600.00	4.00	157.39	2,597.65	-64.37	26.80	64.63	0.00	0.00	0.00
2,700.00	4.00	157.39	2,697.40	-70.81	29.48	71.09	0.00	0.00	0.00
2,800.00	4.00	157.39	2,797.16	-77.25	32.17	77.55	0.00	0.00	0.00
2,900.00	4.00	157.39	2,896.92	-83.68	34.85	84.01	0.00	0.00	0.00
3,000.00	4.00	157.39	2,996.67	-90.12	37.53	90.47	0.00	0.00	0.00
3,100.00	4.00	157.39	3,096.43	-96.56	40.21	96.94	0.00	0.00	0.00
3,200.00	4.00	157.39	3,196.19	-102.99	42.89	103.40	0.00	0.00	0.00
3,300.00	4.00	157.39	3,295.94	-109.43	45.57	109.86	0.00	0.00	0.00
3,400.00	4.00	157.39	3,395.70	-115.87	48.25	116.32	0.00	0.00	0.00
3,500.00	4.00	157.39	3,495.46	-122.30	50.93	122.79	0.00	0.00	0.00
3,600.00	4.00	157.39	3,595.21	-128.74	53.61	129.25	0.00	0.00	0.00
3,700.00	4.00	157.39	3,694.97	-135.18	56.29	135.71	0.00	0.00	0.00
3,800.00	4.00	157.39	3,794.73	-141.61	58.97	142.17	0.00	0.00	0.00
3,900.00	4.00	157.39	3,894.48	-148.05	61.65	148.63	0.00	0.00	0.00
4,000.00	4.00	157.39	3,994.24	-154.49	64.33	155.10	0.00	0.00	0.00
4,100.00	4.00	157.39	4,094.00	-160.92	67.01	161.56	0.00	0.00	0.00
4,200.00	4.00	157.39	4,193.75	-167.36	69.69	168.02	0.00	0.00	0.00
4,300.00	4.00	157.39	4,293.51	-173.80	72.37	174.48	0.00	0.00	0.00
4,400.00	4.00	157.39	4,393.27	-180.23	75.05	180.94	0.00	0.00	0.00
4,500.00	4.00	157.39	4,493.02	-186.67	77.73	187.41	0.00	0.00	0.00
4,600.00	4.00	157.39	4,592.78	-193.11	80.41	193.87	0.00	0.00	0.00
4,700.00	4.00	157.39	4,692.54	-199.54	83.09	200.33	0.00	0.00	0.00
4,800.00	4.00	157.39	4,792.29	-205.98	85.77	206.79	0.00	0.00	0.00
4,900.00	4.00	157.39	4,892.05	-212.42	88.45	213.25	0.00	0.00	0.00
5,000.00	4.00	157.39	4,991.81	-218.85	91.13	219.72	0.00	0.00	0.00
5,100.00	4.00	157.39	5,091.56	-225.29	93.81	226.18	0.00	0.00	0.00
5,200.00	4.00	157.39	5,191.32	-231.73	96.49	232.64	0.00	0.00	0.00
5,300.00	4.00	157.39	5,291.08	-238.16	99.17	239.10	0.00	0.00	0.00
5,400.00	4.00	157.39	5,390.83	-244.60	101.85	245.57	0.00	0.00	0.00
5,500.00	4.00	157.39	5,490.59	-251.04	104.53	252.03	0.00	0.00	0.00
5,600.00	4.00	157.39	5,590.35	-257.47	107.21	258.49	0.00	0.00	0.00
5,700.00	4.00	157.39	5,690.10	-263.91	109.89	264.95	0.00	0.00	0.00
5,800.00	4.00	157.39	5,789.86	-270.35	112.57	271.41	0.00	0.00	0.00
5,900.00	4.00	157.39	5,889.62	-276.78	115.25	277.88	0.00	0.00	0.00
6,000.00	4.00	157.39	5,989.37	-283.22	117.93	284.34	0.00	0.00	0.00
6,100.00	4.00	157.39	6,089.13	-289.66	120.61	290.80	0.00	0.00	0.00
6,200.00	4.00	157.39	6,188.89	-296.09	123.29	297.26	0.00	0.00	0.00
6,300.00	4.00	157.39	6,288.64	-302.53	125.97	303.72	0.00	0.00	0.00



## Planning Report



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site:</b>	El Campeon Fed Com (NAD83)	<b>North Reference:</b>	Grid
<b>Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 08-31-22		

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)
6,400.00	4.00	157.39	6,388.40	-308.97	128.65	310.19	0.00	0.00	0.00
6,500.00	4.00	157.39	6,488.16	-315.40	131.33	316.65	0.00	0.00	0.00
6,600.00	4.00	157.39	6,587.91	-321.84	134.01	323.11	0.00	0.00	0.00
6,700.00	4.00	157.39	6,687.67	-328.28	136.69	329.57	0.00	0.00	0.00
6,800.00	4.00	157.39	6,787.43	-334.71	139.37	336.03	0.00	0.00	0.00
6,900.00	4.00	157.39	6,887.18	-341.15	142.06	342.50	0.00	0.00	0.00
7,000.00	4.00	157.39	6,986.94	-347.59	144.74	348.96	0.00	0.00	0.00
7,100.00	4.00	157.39	7,086.70	-354.02	147.42	355.42	0.00	0.00	0.00
7,200.00	4.00	157.39	7,186.45	-360.46	150.10	361.88	0.00	0.00	0.00
7,300.00	4.00	157.39	7,286.21	-366.90	152.78	368.34	0.00	0.00	0.00
7,400.00	4.00	157.39	7,385.97	-373.33	155.46	374.81	0.00	0.00	0.00
7,500.00	4.00	157.39	7,485.72	-379.77	158.14	381.27	0.00	0.00	0.00
7,600.00	4.00	157.39	7,585.48	-386.21	160.82	387.73	0.00	0.00	0.00
7,700.00	4.00	157.39	7,685.24	-392.64	163.50	394.19	0.00	0.00	0.00
7,800.00	4.00	157.39	7,784.99	-399.08	166.18	400.66	0.00	0.00	0.00
7,900.00	4.00	157.39	7,884.75	-405.52	168.86	407.12	0.00	0.00	0.00
8,000.00	4.00	157.39	7,984.51	-411.95	171.54	413.58	0.00	0.00	0.00
8,100.00	4.00	157.39	8,084.26	-418.39	174.22	420.04	0.00	0.00	0.00
8,200.00	4.00	157.39	8,184.02	-424.83	176.90	426.50	0.00	0.00	0.00
8,300.00	4.00	157.39	8,283.78	-431.26	179.58	432.97	0.00	0.00	0.00
8,400.00	4.00	157.39	8,383.53	-437.70	182.26	439.43	0.00	0.00	0.00
8,500.00	4.00	157.39	8,483.29	-444.14	184.94	445.89	0.00	0.00	0.00
8,600.00	4.00	157.39	8,583.05	-450.57	187.62	452.35	0.00	0.00	0.00
8,700.00	4.00	157.39	8,682.80	-457.01	190.30	458.81	0.00	0.00	0.00
8,800.00	4.00	157.39	8,782.56	-463.44	192.98	465.28	0.00	0.00	0.00
8,900.00	4.00	157.39	8,882.32	-469.88	195.66	471.74	0.00	0.00	0.00
9,000.00	4.00	157.39	8,982.07	-476.32	198.34	478.20	0.00	0.00	0.00
9,100.00	4.00	157.39	9,081.83	-482.75	201.02	484.66	0.00	0.00	0.00
9,200.00	4.00	157.39	9,181.59	-489.19	203.70	491.12	0.00	0.00	0.00
9,300.00	4.00	157.39	9,281.34	-495.63	206.38	497.59	0.00	0.00	0.00
9,400.00	4.00	157.39	9,381.10	-502.06	209.06	504.05	0.00	0.00	0.00
9,500.00	4.00	157.39	9,480.86	-508.50	211.74	510.51	0.00	0.00	0.00
9,600.00	4.00	157.39	9,580.61	-514.94	214.42	516.97	0.00	0.00	0.00
9,700.00	4.00	157.39	9,680.37	-521.37	217.10	523.43	0.00	0.00	0.00
9,800.00	4.00	157.39	9,780.13	-527.81	219.78	529.90	0.00	0.00	0.00
9,900.00	4.00	157.39	9,879.88	-534.25	222.46	536.36	0.00	0.00	0.00
10,000.00	4.00	157.39	9,979.64	-540.68	225.14	542.82	0.00	0.00	0.00
10,100.00	4.00	157.39	10,079.39	-547.12	227.82	549.28	0.00	0.00	0.00
10,200.00	4.00	157.39	10,179.15	-553.56	230.50	555.75	0.00	0.00	0.00
10,300.00	4.00	157.39	10,278.91	-559.99	233.18	562.21	0.00	0.00	0.00
10,400.00	4.00	157.39	10,378.66	-566.43	235.86	568.67	0.00	0.00	0.00
10,500.00	4.00	157.39	10,478.42	-572.87	238.54	575.13	0.00	0.00	0.00
10,600.00	4.00	157.39	10,578.18	-579.30	241.22	581.59	0.00	0.00	0.00
10,700.00	4.00	157.39	10,677.93	-585.74	243.90	588.06	0.00	0.00	0.00
10,800.00	4.00	157.39	10,777.69	-592.18	246.58	594.52	0.00	0.00	0.00
10,900.00	4.00	157.39	10,877.45	-598.61	249.26	600.98	0.00	0.00	0.00
11,000.00	4.00	157.39	10,977.20	-605.05	251.95	607.44	0.00	0.00	0.00
11,100.00	4.00	157.39	11,076.96	-611.49	254.63	613.90	0.00	0.00	0.00
11,200.00	4.00	157.39	11,176.72	-617.92	257.31	620.37	0.00	0.00	0.00
11,300.00	4.00	157.39	11,276.47	-624.36	259.99	626.83	0.00	0.00	0.00
11,400.00	4.00	157.39	11,376.23	-630.80	262.67	633.29	0.00	0.00	0.00
11,500.00	4.00	157.39	11,475.99	-637.23	265.35	639.75	0.00	0.00	0.00
11,510.34	4.00	157.39	11,486.30	-637.90	265.62	640.42	0.00	0.00	0.00
Begin 2.00°/100' Drop									





## Planning Report



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site:</b>	El Campeon Fed Com (NAD83)	<b>North Reference:</b>	Grid
<b>Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 08-31-22		

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)
11,600.00	2.20	157.39	11,575.83	-642.38	267.49	644.92	2.00	-2.00	0.00
11,700.00	0.20	157.39	11,675.80	-644.32	268.30	646.87	2.00	-2.00	0.00
11,710.24	0.00	0.00	11,686.04	-644.34	268.30	646.88	2.00	-2.00	-1,536.74
<b>Begin Vertical Hold</b>									
12,210.24	0.00	0.00	12,186.04	-644.34	268.30	646.88	0.00	0.00	0.00
<b>KOP2, Begin 10.00°/100' Build</b>									
12,300.00	8.98	179.45	12,275.43	-651.35	268.37	653.90	10.00	10.00	0.00
12,400.00	18.98	179.45	12,372.35	-675.47	268.60	678.02	10.00	10.00	0.00
12,500.00	28.98	179.45	12,463.61	-716.05	268.99	718.60	10.00	10.00	0.00
12,600.00	38.98	179.45	12,546.43	-771.86	269.53	774.42	10.00	10.00	0.00
12,700.00	48.98	179.45	12,618.30	-841.21	270.20	843.76	10.00	10.00	0.00
12,800.00	58.98	179.45	12,677.04	-921.98	270.98	924.54	10.00	10.00	0.00
12,900.00	68.98	179.45	12,720.86	-1,011.72	271.84	1,014.28	10.00	10.00	0.00
13,000.00	78.98	179.45	12,748.43	-1,107.71	272.76	1,110.28	10.00	10.00	0.00
13,100.00	88.98	179.45	12,758.91	-1,207.03	273.72	1,209.60	10.00	10.00	0.00
13,110.24	90.00	179.45	12,759.00	-1,217.27	273.82	1,219.84	10.00	10.00	0.00
<b>LP, Hold 90.00° Inc at 179.45° Azm</b>									
13,200.00	90.00	179.45	12,759.00	-1,307.02	274.68	1,309.60	0.00	0.00	0.00
13,300.00	90.00	179.45	12,759.00	-1,407.02	275.64	1,409.60	0.00	0.00	0.00
13,400.00	90.00	179.45	12,759.00	-1,507.01	276.61	1,509.60	0.00	0.00	0.00
13,500.00	90.00	179.45	12,759.00	-1,607.01	277.57	1,609.60	0.00	0.00	0.00
13,600.00	90.00	179.45	12,759.00	-1,707.00	278.53	1,709.60	0.00	0.00	0.00
13,700.00	90.00	179.45	12,759.00	-1,807.00	279.49	1,809.60	0.00	0.00	0.00
13,800.00	90.00	179.45	12,759.00	-1,906.99	280.46	1,909.60	0.00	0.00	0.00
13,900.00	90.00	179.45	12,759.00	-2,006.99	281.42	2,009.60	0.00	0.00	0.00
14,000.00	90.00	179.45	12,759.00	-2,106.98	282.38	2,109.60	0.00	0.00	0.00
14,100.00	90.00	179.45	12,759.00	-2,206.98	283.34	2,209.60	0.00	0.00	0.00
14,200.00	90.00	179.45	12,759.00	-2,306.98	284.31	2,309.60	0.00	0.00	0.00
14,300.00	90.00	179.45	12,759.00	-2,406.97	285.27	2,409.60	0.00	0.00	0.00
14,400.00	90.00	179.45	12,759.00	-2,506.97	286.23	2,509.60	0.00	0.00	0.00
14,500.00	90.00	179.45	12,759.00	-2,606.96	287.19	2,609.60	0.00	0.00	0.00
14,600.00	90.00	179.45	12,759.00	-2,706.96	288.16	2,709.60	0.00	0.00	0.00
14,700.00	90.00	179.45	12,759.00	-2,806.95	289.12	2,809.60	0.00	0.00	0.00
14,800.00	90.00	179.45	12,759.00	-2,906.95	290.08	2,909.60	0.00	0.00	0.00
14,900.00	90.00	179.45	12,759.00	-3,006.94	291.04	3,009.60	0.00	0.00	0.00
15,000.00	90.00	179.45	12,759.00	-3,106.94	292.01	3,109.60	0.00	0.00	0.00
15,100.00	90.00	179.45	12,759.00	-3,206.93	292.97	3,209.60	0.00	0.00	0.00
15,200.00	90.00	179.45	12,759.00	-3,306.93	293.93	3,309.60	0.00	0.00	0.00
15,300.00	90.00	179.45	12,759.00	-3,406.92	294.89	3,409.60	0.00	0.00	0.00
15,400.00	90.00	179.45	12,759.00	-3,506.92	295.85	3,509.60	0.00	0.00	0.00
15,500.00	90.00	179.45	12,759.00	-3,606.91	296.82	3,609.60	0.00	0.00	0.00
15,600.00	90.00	179.45	12,759.00	-3,706.91	297.78	3,709.60	0.00	0.00	0.00
15,700.00	90.00	179.45	12,759.00	-3,806.91	298.74	3,809.60	0.00	0.00	0.00
15,800.00	90.00	179.45	12,759.00	-3,906.90	299.70	3,909.60	0.00	0.00	0.00
15,900.00	90.00	179.45	12,759.00	-4,006.90	300.67	4,009.60	0.00	0.00	0.00
16,000.00	90.00	179.45	12,759.00	-4,106.89	301.63	4,109.60	0.00	0.00	0.00
16,100.00	90.00	179.45	12,759.00	-4,206.89	302.59	4,209.60	0.00	0.00	0.00
16,200.00	90.00	179.45	12,759.00	-4,306.88	303.55	4,309.60	0.00	0.00	0.00
16,300.00	90.00	179.45	12,759.00	-4,406.88	304.52	4,409.60	0.00	0.00	0.00
16,400.00	90.00	179.45	12,759.00	-4,506.87	305.48	4,509.60	0.00	0.00	0.00
16,500.00	90.00	179.45	12,759.00	-4,606.87	306.44	4,609.60	0.00	0.00	0.00
16,600.00	90.00	179.45	12,759.00	-4,706.86	307.40	4,709.60	0.00	0.00	0.00
16,700.00	90.00	179.45	12,759.00	-4,806.86	308.37	4,809.60	0.00	0.00	0.00



## Planning Report



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site:</b>	El Campeon Fed Com (NAD83)	<b>North Reference:</b>	Grid
<b>Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 08-31-22		

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)
16,800.00	90.00	179.45	12,759.00	-4,906.85	309.33	4,909.60	0.00	0.00	0.00
16,900.00	90.00	179.45	12,759.00	-5,006.85	310.29	5,009.60	0.00	0.00	0.00
17,000.00	90.00	179.45	12,759.00	-5,106.85	311.25	5,109.60	0.00	0.00	0.00
17,100.00	90.00	179.45	12,759.00	-5,206.84	312.22	5,209.60	0.00	0.00	0.00
17,200.00	90.00	179.45	12,759.00	-5,306.84	313.18	5,309.60	0.00	0.00	0.00
17,300.00	90.00	179.45	12,759.00	-5,406.83	314.14	5,409.60	0.00	0.00	0.00
17,400.00	90.00	179.45	12,759.00	-5,506.83	315.10	5,509.60	0.00	0.00	0.00
17,500.00	90.00	179.45	12,759.00	-5,606.82	316.07	5,609.60	0.00	0.00	0.00
17,600.00	90.00	179.45	12,759.00	-5,706.82	317.03	5,709.60	0.00	0.00	0.00
17,700.00	90.00	179.45	12,759.00	-5,806.81	317.99	5,809.60	0.00	0.00	0.00
17,800.00	90.00	179.45	12,759.00	-5,906.81	318.95	5,909.60	0.00	0.00	0.00
17,900.00	90.00	179.45	12,759.00	-6,006.80	319.92	6,009.60	0.00	0.00	0.00
18,000.00	90.00	179.45	12,759.00	-6,106.80	320.88	6,109.60	0.00	0.00	0.00
18,100.00	90.00	179.45	12,759.00	-6,206.79	321.84	6,209.60	0.00	0.00	0.00
18,200.00	90.00	179.45	12,759.00	-6,306.79	322.80	6,309.60	0.00	0.00	0.00
18,300.00	90.00	179.45	12,759.00	-6,406.79	323.76	6,409.60	0.00	0.00	0.00
18,400.00	90.00	179.45	12,759.00	-6,506.78	324.73	6,509.60	0.00	0.00	0.00
18,500.00	90.00	179.45	12,759.00	-6,606.78	325.69	6,609.60	0.00	0.00	0.00
18,600.00	90.00	179.45	12,759.00	-6,706.77	326.65	6,709.60	0.00	0.00	0.00
18,700.00	90.00	179.45	12,759.00	-6,806.77	327.61	6,809.60	0.00	0.00	0.00
18,800.00	90.00	179.45	12,759.00	-6,906.76	328.58	6,909.60	0.00	0.00	0.00
18,900.00	90.00	179.45	12,759.00	-7,006.76	329.54	7,009.60	0.00	0.00	0.00
19,000.00	90.00	179.45	12,759.00	-7,106.75	330.50	7,109.60	0.00	0.00	0.00
19,100.00	90.00	179.45	12,759.00	-7,206.75	331.46	7,209.60	0.00	0.00	0.00
19,200.00	90.00	179.45	12,759.00	-7,306.74	332.43	7,309.60	0.00	0.00	0.00
19,300.00	90.00	179.45	12,759.00	-7,406.74	333.39	7,409.60	0.00	0.00	0.00
19,400.00	90.00	179.45	12,759.00	-7,506.73	334.35	7,509.60	0.00	0.00	0.00
19,500.00	90.00	179.45	12,759.00	-7,606.73	335.31	7,609.60	0.00	0.00	0.00
19,600.00	90.00	179.45	12,759.00	-7,706.73	336.28	7,709.60	0.00	0.00	0.00
19,700.00	90.00	179.45	12,759.00	-7,806.72	337.24	7,809.60	0.00	0.00	0.00
19,800.00	90.00	179.45	12,759.00	-7,906.72	338.20	7,909.60	0.00	0.00	0.00
19,900.00	90.00	179.45	12,759.00	-8,006.71	339.16	8,009.60	0.00	0.00	0.00
20,000.00	90.00	179.45	12,759.00	-8,106.71	340.13	8,109.60	0.00	0.00	0.00
20,100.00	90.00	179.45	12,759.00	-8,206.70	341.09	8,209.60	0.00	0.00	0.00
20,200.00	90.00	179.45	12,759.00	-8,306.70	342.05	8,309.60	0.00	0.00	0.00
20,300.00	90.00	179.45	12,759.00	-8,406.69	343.01	8,409.60	0.00	0.00	0.00
20,400.00	90.00	179.45	12,759.00	-8,506.69	343.98	8,509.60	0.00	0.00	0.00
20,500.00	90.00	179.45	12,759.00	-8,606.68	344.94	8,609.60	0.00	0.00	0.00
20,600.00	90.00	179.45	12,759.00	-8,706.68	345.90	8,709.60	0.00	0.00	0.00
20,700.00	90.00	179.45	12,759.00	-8,806.67	346.86	8,809.60	0.00	0.00	0.00
20,800.00	90.00	179.45	12,759.00	-8,906.67	347.83	8,909.60	0.00	0.00	0.00
20,900.00	90.00	179.45	12,759.00	-9,006.66	348.79	9,009.60	0.00	0.00	0.00
21,000.00	90.00	179.45	12,759.00	-9,106.66	349.75	9,109.60	0.00	0.00	0.00
21,100.00	90.00	179.45	12,759.00	-9,206.66	350.71	9,209.60	0.00	0.00	0.00
21,200.00	90.00	179.45	12,759.00	-9,306.65	351.68	9,309.60	0.00	0.00	0.00
21,300.00	90.00	179.45	12,759.00	-9,406.65	352.64	9,409.60	0.00	0.00	0.00
21,400.00	90.00	179.45	12,759.00	-9,506.64	353.60	9,509.60	0.00	0.00	0.00
21,500.00	90.00	179.45	12,759.00	-9,606.64	354.56	9,609.60	0.00	0.00	0.00
21,600.00	90.00	179.45	12,759.00	-9,706.63	355.52	9,709.60	0.00	0.00	0.00
21,700.00	90.00	179.45	12,759.00	-9,806.63	356.49	9,809.60	0.00	0.00	0.00
21,800.00	90.00	179.45	12,759.00	-9,906.62	357.45	9,909.60	0.00	0.00	0.00
21,900.00	90.00	179.45	12,759.00	-10,006.62	358.41	10,009.60	0.00	0.00	0.00
22,000.00	90.00	179.45	12,759.00	-10,106.61	359.37	10,109.60	0.00	0.00	0.00
22,100.00	90.00	179.45	12,759.00	-10,206.61	360.34	10,209.60	0.00	0.00	0.00



## Planning Report



<b>Database:</b>	USA Compass	<b>Local Co-ordinate Reference:</b>	Well El Campeon Fed Com 433H
<b>Company:</b>	Titus Oil & Gas Production, LLC	<b>TVD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Project:</b>	Lea County, NM - (NAD83 NME)	<b>MD Reference:</b>	RKB @ 3201.50usft (TBD)
<b>Site:</b>	El Campeon Fed Com (NAD83)	<b>North Reference:</b>	Grid
<b>Well:</b>	El Campeon Fed Com 433H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan 1 08-31-22		

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)
22,125.24	90.00	179.45	12,759.00	-10,231.85	360.58	10,234.84	0.00	0.00	0.00
TD at 22125.24									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - El Campeon 433H - plan hits target center - Point	0.00	0.00	12,759.00	-10,231.85	360.58	363,200.21	834,957.74	31° 59' 41.936609 N 103° 23' 10.339610 W	
FTP - El Campeon 433H - plan misses target center by 213.34usft at 12688.83usft MD (12610.88 TVD, -832.85 N, 270.12 E) - Point	0.00	0.00	12,759.00	-679.32	268.64	372,752.74	834,865.80	32° 1' 16.467306 N 103° 23' 10.435253 W	
LTP - El Campeon 433H - plan misses target center by 0.02usft at 22030.75usft MD (12759.00 TVD, -10137.36 N, 359.67 E) - Point	0.00	0.00	12,759.00	-10,137.36	359.65	363,294.70	834,956.81	31° 59' 42.871674 N 103° 23' 10.340798 W	
SLC - El Campeon 433H - plan misses target center by 0.02usft at 20192.84usft MD (12759.00 TVD, -8299.54 N, 341.98 E) - Point	0.00	0.00	12,759.00	-8,299.54	341.96	365,132.52	834,939.12	32° 0' 1.058551 N 103° 23' 10.359267 W	

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
22,643.95		20" Casing	20	24	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.00	1,500.00	0.00	0.00	KOP, Begin 2.00°/100' Build
1,699.91	1,699.74	-6.44	2.68	Hold 4.00° Inc at 157.39° Azm
11,510.34	11,486.30	-637.90	265.62	Begin 2.00°/100' Drop
11,710.24	11,686.04	-644.34	268.30	Begin Vertical Hold
12,210.24	12,186.04	-644.34	268.30	KOP2, Begin 10.00°/100' Build
13,110.24	12,759.00	-1,217.27	273.82	LP, Hold 90.00° Inc at 179.45° Azm
22,125.24	12,759.00	-10,231.85	360.58	TD at 22125.24

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State of New Mexico  
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Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 195525

CONDITIONS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 195525
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	3/16/2023