

Form 3160-5  
(October 2024)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0220  
Expires: October 31, 2027

**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. **NMNM12559**

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well  
 Oil Well     Gas Well     Other

8. Well Name and No.  
TATER SALAD FEDERAL COM/902H

2. Name of Operator **COG OPERATING LLC**

9. API Well No. **3001557153**

3a. Address **600 West Illinois Ave, Midland, TX 79701**

3b. Phone No. (include area code)  
**(432) 683-7443**

10. Field and Pool or Exploratory Area  
PURPLE SAGE/Wolfcamp, Gas

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
**SEC 24/T26S/R28E/NMP**

11. Country or Parish, State  
EDDY/NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 recompletion 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 determined that the site is ready for final inspection.)

COG Operating LLC, respectfully requests approval for the following changes to the original approved APD.

Summary of changes:

No changes in targets

MD at TD changed to 21,141'

TVD of target changed to 10,775'

7-5/8" casing shoe @ 10,300' MD

Contingency cement program to include bradenhead cement job if severe losses are encountered

Request surface and intermediate cement jobs to be performed offline

Request variance to perform BOPE break testing on intermediate skids

Drilling program, directional plan, AC report, bradenhead and break testing attached.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**MAYTE REYES / Ph: (281) 293-1000**

Regulatory Analyst  
Title

(Electronic Submission)  
Signature

Date **02/04/2026**

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

Approved by  
**CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved**

Petroleum Engineer  
Title

Date **02/18/2026**

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 **CARLSBAD**

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**

**Location of Well**

0. SHL: NENE / 245 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034694 / LONG: -104.03591 ( TVD: 0 feet, MD: 0 feet )

PPP: SESE / 330 FSL / 825 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036277 / LONG: -104.034862 ( TVD: 10765 feet, MD: 11107 feet )

PPP: SWNE / 1321 FNL / 825 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.042637 / LONG: -104.03485 ( TVD: 10798 feet, MD: 14390 feet )

BHL: NENE / 200 FNL / 825 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063831 / LONG: -104.03481 ( TVD: 10800 feet, MD: 21166 feet )

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## BOPE Break Testing Variance

### Initial and 21 Day Testing of 10K BOP's:

Component	High Test Pressure	Low Test Pressure	Duration
Annular Preventer	5,000 psig	250 psig	10 min
Rams	5,000 psig	250 psig	10 min
Manifold	5,000 psig	250 psig	10 min
Wellhead	1,500 psig	-	10 min
Upper / Lower / Kelly Valves	5,000 psig	250 psig	10 min
TIW safety valves / Dart	5,000 psig	250 psig	10 min
Standpipe and mud line to pumps	5,000 psig	250 psig	10 min
Surface Casing (with 8.4 ppg fluid)	1,500 psig	-	30 min

\*Equipment satisfies 10M BOPE but break test variance applies to 5M system

COG Production LLC formally requests variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow break/shell testing of blowout preventor (BOP) and blowout prevention equipment (BOPE) during batch drilling operations of the intermediate hole section. This variance only applies to 5M BOPE or less formation.

Initial testing of the BOP will be conducted, verifying all components of BOP, BOPE, and choke manifold meet the minimum and maximum anticipated surface pressure (MASP) in accordance with API RP 53 and Onshore Order No. 2, reference table above. Once initial test pressures are achieved, shell testing of the BOP and choke manifold would be conducted within the time limit from initial test to the congruent 21-day test. A complete pressure test of the BOPE components will be completed no later than 21 days following the completion of the initial pressure test or latest complete BOP pressure test date succeeding the initial test, per API RP 53 (6.5.3.4.1 (d)).

### BOP and BOPE Testing

- Minimum of Class 3 stack arrangement with one set of blind/blind shear rams and pipe rams shall be installed for a 5K pressure rated system per API RP 53 (6.1.2.9)
  - Classification - COP minimum of Class 3 arrangement apply for all Delaware Basin area wells.
  - Arrangement - Annular preventer, upper pipe rams, blind rams, mud cross, lower pipe rams
- Complete BOP and BOPE test performed at initial installation on well pad.
  - Initial test performed on well with deepest planned intermediate hole section (allowable 200' TVD variance between intermediate hole sections)
  - Annular preventer tested to 100 percent of MASP, or 70 percent of rated working pressure (RWP), whichever is greater.
  - Notify BLM 4 Hrs. prior to testing
- Complete BOP and BOPE test every 21 days in accordance with API RP 53 (6.5.3.4.1 (d)).
- BOP/BOPE shell test (inclusive of manifold shell test) performed during batch drilling operations during rig transition between wells (within the 21-day time limit per API RP 53).
- Function test BOP elements per API RP 53 (6.5.3.1).
  - Required on (1) initial installation of stack, (2) every 7 days, (3) after repair/replacement of any control components
  - Alternate between drillers panel and remote panel

### Securing the Wellhead

- Prior to moving rig off check for flow
  - Ensure floats are holding, casing is full of kill mud and backside is static.
- Secure the well with sleeve/plug with BPV
- Disconnect BOP from the wellhead and walk with the rig to another well on the pad.
  - Utilizing BOP wrangler/cradle, maintaining control and upright position of the BOP during movement
- Once BOP is separated from wellhead the Temporary Abandonment (TA) cap will be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- Test TA cap to 5,000 psi for 10 min.

COG Production LLC believes that the combination of drilling fluid inside the casing, abandonment plug with BPV, casing and annular valves and the TA cap provide multiple barriers to ensure complete closure of the wellbore prior to skidding/walking the rig.

### Break Testing

- Skid rig over the next well on pad and center over wellhead, N/U BOP with the use of the BOP quick connect.
- Shell test the BOP and choke manifold to 5,000 psig and 250 psig. Hold each test for 10 minutes.
  - In accordance with API RP 53 (6.5.3.4.1(b)) BOP shell test will satisfy pressure test of quick connect seals
  - Notify BLM 4 hours prior to testing
- RWP of BOP quick connect is 10K (Certificate of Conformance attached)

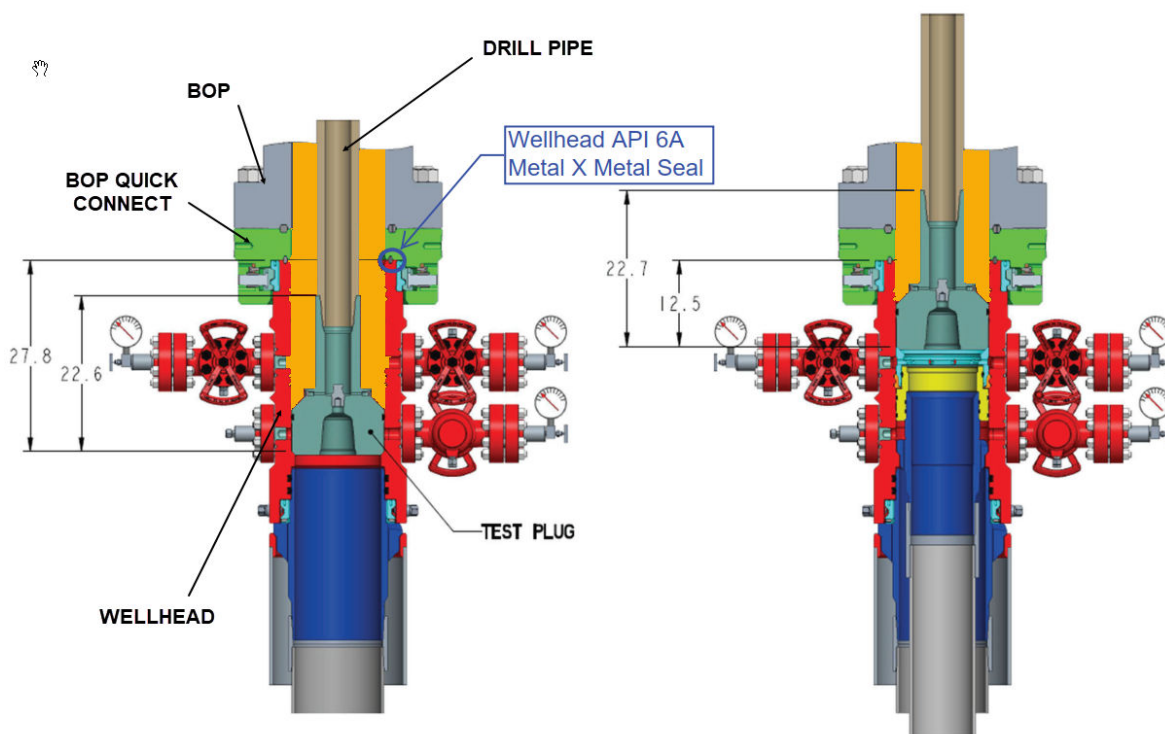


Figure 1: Test plug installed (The orange sections above indicate the areas exposed to the pressure test)

## Example Well Control Plan Content

### A. Well Control Component Table

This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the BOP nipped up to the wellhead.

Intermediate hole section, 5M requirement

Component	RWP
Pack-off	10M
Casing Wellhead Valves	10M
Annular Wellhead Valves	5M
TA Plug	10M
Float Valves	5M
2" 1502 Lo-Torque Valves	10M

### B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while circulating.

#### General Procedure

1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut in.
5. Notify tool pusher/company representative.
6. Read and record the following:
  - a. SICP (Shut in Casing Pressure) and AP (Annular Pressure)
  - b. Pit gain
  - c. Time
  - d. Regroup and identify forward plan to continue circulating out kick via rig choke and mud/gas separator. Circulate and adjust mud density as needed to control well.

COG Production LLC requests variance to pump 1st Intermediate (9-5/8") Offline. Will pump conventional cement job as planned and outlined in approved APD/Sundry.

**Wellhead & Offline Cementing:**

COG Production LLC respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 21 days per Onshore Order No. 2.
- Function test BOP elements per Onshore Order No. 2.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- See attached "Offline Cement Intermediate Operational Procedure"

COG Production LLC believes that the combination of drilling fluid inside the casing, the abandonment plug with BPV, casing and annular valves and the TA cap provide multiple barriers to ensure complete closure of the wellbore prior to skidding/walking the rig.

## Summarized Operational Procedure for Intermediate Casing

1. Run casing as per normal operations.
  - a. Float equipment is equipped with two back pressure valves rated to a minimum of 5,000 psi.
2. Land intermediate casing on mandrel hanger through BOP.
  - a. If casing is unable to be landed with a mandrel hanger, then the **casing will be cemented online.**
  - b. If time from landing mandrel hanger to skidding/walking rig off well exceeds 8 hours, BLM will be notified.
3. Break circulation and confirm no restrictions.
  - a. Ensure no blockage of float equipment and appropriate annular returns.
  - b. Perform flow check to confirm well is static.
4. Set pack-off
  - a. If utilizing a fluted/ported mandrel hanger, ensure well is static on the annulus and inside the casing by ensuring pipe is full of drilling fluid, remove landing joint, and set annular packoff through BOP. Pressure test to 5,000 psi for 10 min.
  - b. If utilizing a solid mandrel hanger, ensure well is static on the annulus and inside the casing by ensuring pipe is full of drilling fluid. Pressure test seals to 5,000 psi for 10 min. Remove landing joint through BOP.
5. After confirmation of both annular barriers and the two casing barriers, install TA plug/BPV and pressure test to 5,000 psi for 10 min. Notify the BLM with intent to proceed with nipple down and offline cementing.
6. With the well secured and BLM notified, nipple down BOP and secure on BOP handler.
  - a. **Note, if any of the barriers fail to test, the BOP stack will not be nipped down until after the cement job has concluded and tail cement has reached 500 psi**
7. Skid/Walk rig off current well.
8. Confirm well is static before removing TA Plug.
  - a. Cementing operations will not proceed until well is under control. (If well is not static, notify BLM and proceed to kill)
  - b. Casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing, if needed.
  - c. Well control plan can be seen in Section B, Well Control Procedures.
  - d. If need be, rig can be moved back over well and BOP nipped back up for any further remediation.
9. Rig up return lines to take returns from wellhead to pits and rig choke.
  - a. Test all connections and lines from wellhead to choke manifold to 5,000 psi high for 10 min.
  - b. If either test fails, perform corrections and retest before proceeding.
  - c. Return line schematics can be seen in Figure 2.
10. Remove TA Plug/BPV from the casing.
11. Install offline cement tool.
  - a. Current offline cement tool schematics can be seen in Figure 1 (Streamflo)
12. Rig up cement head and cementing lines.
  - a. Pressure test cement lines against cement head to 80% of casing burst for 10 min.
13. Break circulation on well to confirm no restrictions.
  - a. If gas is present on circulation, well will be shut in and returns rerouted through gas buster.
  - b. Max anticipated time before circulating with cement truck is 6 hrs.
14. Pump cement job as per plan.
  - a. At plug bump, test casing to 0.22 psi/ft or 1500 psi, whichever is greater.
  - b. If plug does not bump on calculated displacement, shut down and wait 8 hrs or 500 psi compressive strength, whichever is greater before testing casing.

6. Confirm well is static and floats are holding after cement job.
  - a. With floats holding and backside static:
    - i. Remove cement head.
  - b. If floats are leaking:
    - i. Shut-in well and WOC (Wait on Cement) until tail slurry reaches 500 psi compressive strength and the casing is static prior to removing cement head.
  - c. If there is flow on the backside:
    - i. Shut in well and WOC until tail slurry reaches 500 psi compressive strength. Ensure that the casing is static prior to removing cement head.
7. Remove offline cement tool.
8. Install night cap with pressure gauge for monitoring.
9. Test night cap to 5,000 psi for 10 min.

## Example Well Control Plan Content

### A. Well Control Component Table

The table below, which covers the cementing of the **5M MASP (Maximum Allowable Surface Pressure) portion of the well**, outlines the well control component rating in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the BOP nipped up to the wellhead.

Intermediate hole section, 5M requirement

Component	RWP
Pack-off	10M
Casing Wellhead Valves	10M
Annular Wellhead Valves	5M
TA Plug	10M
Float Valves	5M
2" 1502 Lo-Torque Valves	10M

### B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while circulating and cementing through the Offline Cement Adapter.

#### General Procedure While Circulating

1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Read and record the following:
  - a. SICP (Shut in Casing Pressure) and AP (Annular Pressure)
  - b. Pit gain
  - c. Time
  - d. Regroup and identify forward plan to continue circulating out kick via rig choke and mud/gas separator. Circulate and adjust mud density as needed to control well.

#### General Procedure While Cementing

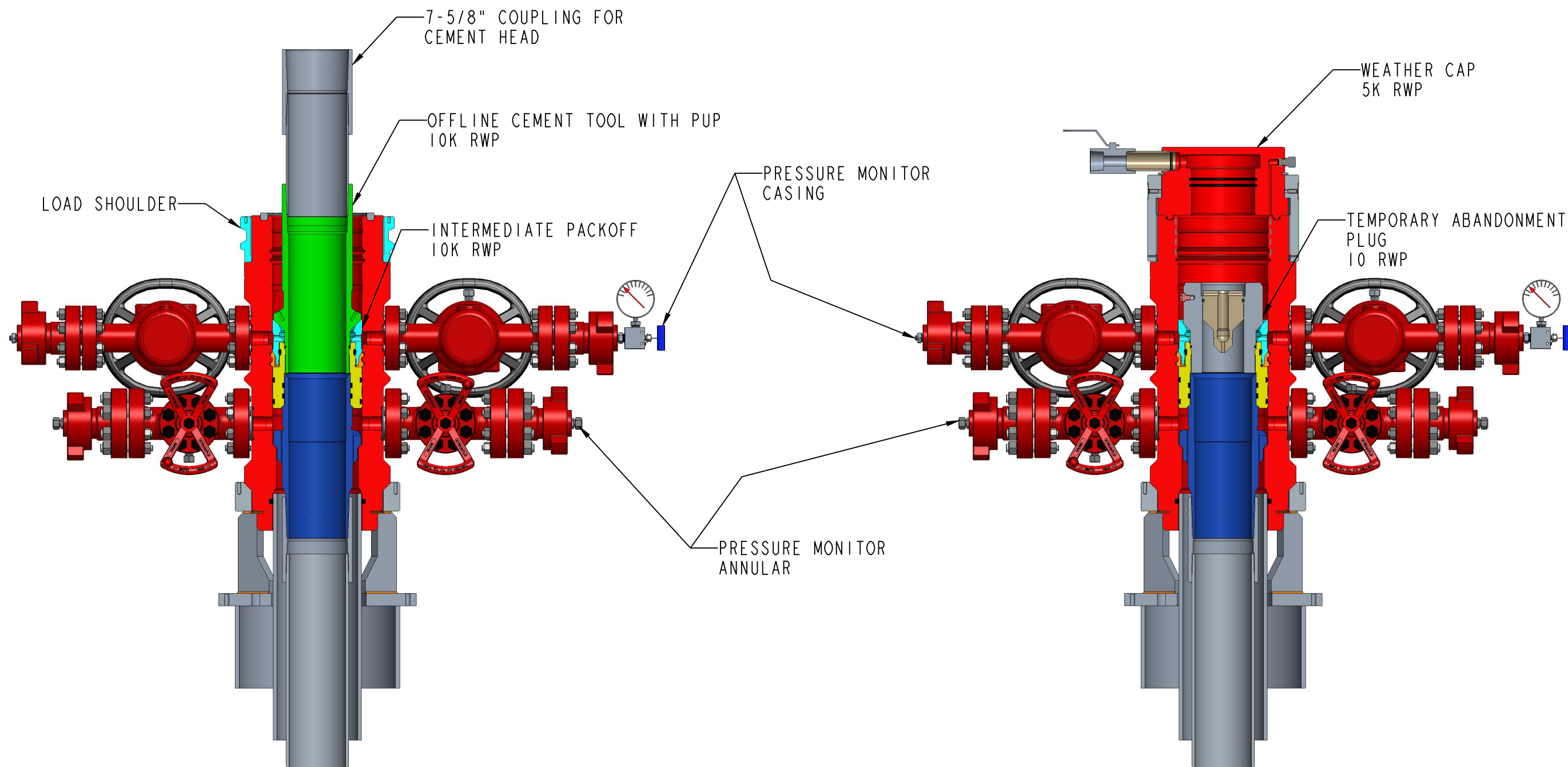
1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through choke manifold and mud/gas separator.

7. Continue to place cement until plug bumps.
8. At plug bump close rig choke and cement head.
9. Read and record the following
  - a. SICP and AP
  - b. Pit gain
  - c. Time
  - d. Shut-in annulus valves on wellhead

General Procedure After Cementing

1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
  - a. SICP and AP
  - b. Pit gain
  - c. Time
  - d. Shut-in annulus valves on wellhead

Figure 1: Offline Cement Tool Schematics




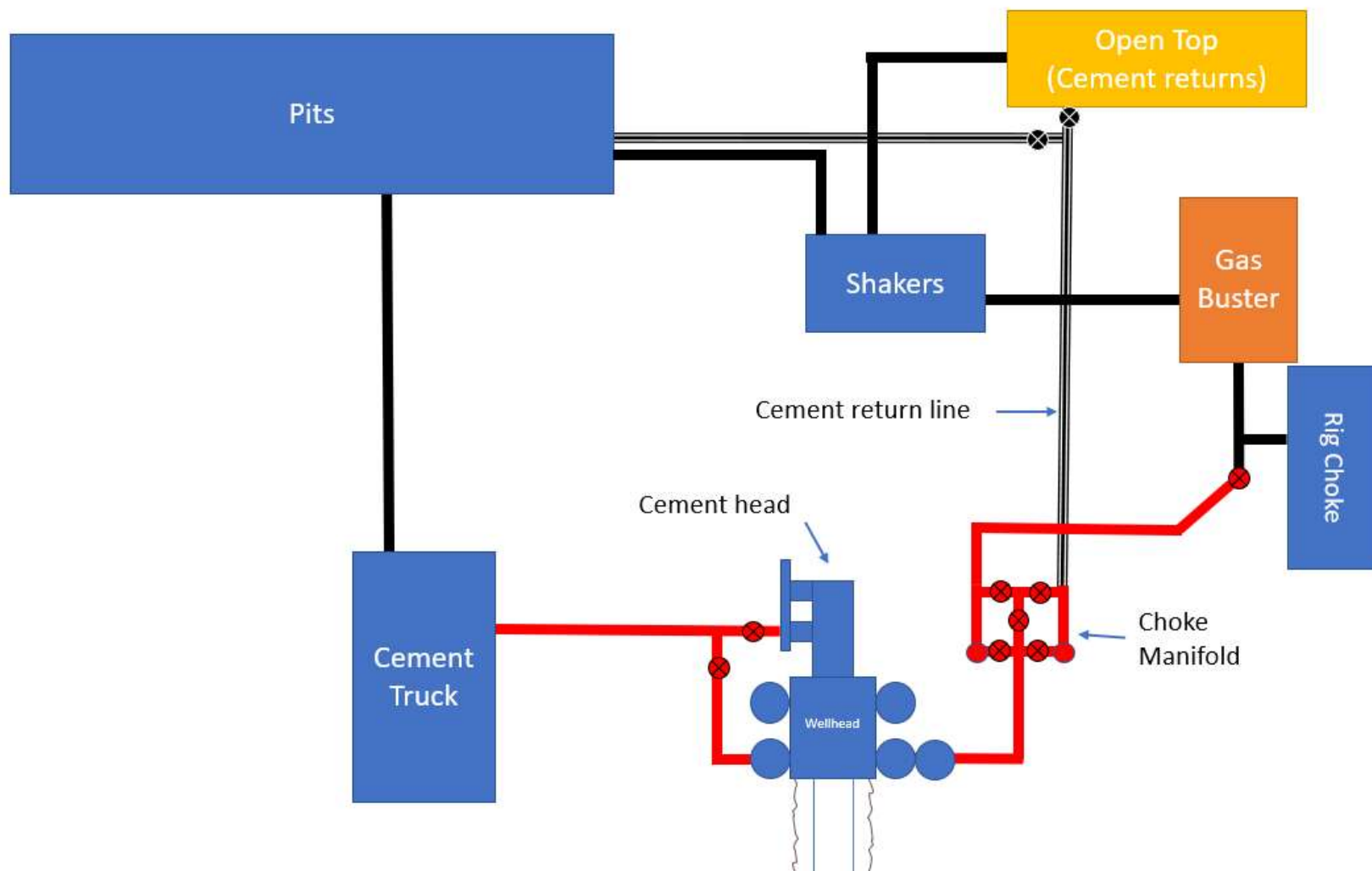
CONOCOPHILLIPS COMPANY 7-5/8" OFFLINE CEMENT AND ABANDMENT PLUG LAYOUT DMLX WELLHEAD ASSEMBLY	DWN.	CWB	03-09-23	 Worldwide Expertise - Global Strength	DRAWING No.  <b>WH-24621</b>
	CHK.				
	APPR.				
		BY	DATE		
XX-XXXX XX-XXXX	Commonspace	WH-24621			WH-24621

Figure 2: Back Yard Rig Up



\*All lines rated to 10M working pressure

\*\*Cement head rated to 7.5M working pressure

**Casing Program:**

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
11,945' 9-7/8"	465	15.6	1.196	1st Stage: Halliburton Halcem (TOC @ Brushy Canyon)
	1000	14.8	1.519	2nd Stage (Bradenhead squeeze): Halliburton Thixotropic Halcem + 5% Cal-Seal 60, .6% HR-800 + 10% Salt + 3% Microbond
	400	14.8	1.332	Top out Slurry: Halliburton Halcem (TOC @ surface)

COG Production LLC requests variance from minimum standards to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon and the second stage performed as a 1000 sack bradenhead squeeze with planned cement from the Brushy Canyon to surface. After the bradenhead squeeze, 50 sacks of the 14.8 ppg top out slurry will be pumped followed by shutting down and waiting on cement (WOC) 2 hours. After 2 hours, if necessary, a top out consisting of 350 sacks of Halliburton's Halcem at 14.8 ppg (1.332 yld) will be executed as a contingency. When washing valves, 2 bbls of water will be utilized. If the valves still contain cement, washing will occur in 1 bbl increments up to a maximum of 5 bbls.

COG Production will run a cement bond log (CBL) after the cement job is performed to evaluate the quality of the cement job.

**Wellhead & Offline Cementing:**

COG Production LLC respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 21 days per Onshore Order No. 2.
- Function test BOP elements per Onshore Order No. 2.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- See attached "Offline Cement Intermediate Operational Procedure"

COG Production LLC believes that the combination of drilling fluid inside the casing, the abandonment plug with BPV, casing and annular valves and the TA cap provide multiple barriers to ensure complete closure of the wellbore prior to skidding/walking the rig.

### Bradenhead Cementing Procedure for Intermediate Casing

1. R/U cement head and test lines
2. Pump first stage conventionally down the 7-5/8" intermediate casing
  - a. 15.6 ppg slurry with TOC @ the Brushy Canyon
3. Displace with drilling fluid and bump plug
4. Bump at 500 psi over FCP, hold 5 mins.
5. Bleed back to cement truck to check floats
6. Rig up on 10-3/4" x 7-5/8" annulus by lining up to pump down both valves.
7. Establish injection rate and displace annulus with FW
8. Pump bradenhead squeeze with 14.8 ppg thixotropic slurry
  - a. Limit pressure to 1500 psi (10-3/4" surf csg test)
9. After pumping 14.8 ppg thixotropic slurry, pump 50 sacks of 14.8 ppg top out slurry to flush valves of thixotropic cement.
10. WOC 2 hours
11. Top out with 350 sacks of 14.8 ppg top out slurry. If more cement is necessary, note in report and notify BLM.
12. Displace cement with fresh water and clear valves. Start with 2 bbls of fresh water. If more water is necessary, 1 bbl increments will be used to a maximum of 5 bbls.
13. Shut down and monitor the shut-in pressure on the 10-3/4" x 7-5/8" annulus.

### Summarized Operational Procedure for Intermediate Casing

1. Run casing as per normal operations.
  - a. Float equipment is equipped with two back pressure valves rated to a minimum of 5,000 psi.
2. Land intermediate casing on mandrel hanger through BOP.
  - a. If casing is unable to be landed with a mandrel hanger, then the **casing will be cemented online.**
  - b. If time from landing mandrel hanger to skidding/walking rig off well exceeds 8 hours, BLM will be notified.
3. Break circulation and confirm no restrictions.
  - a. Ensure no blockage of float equipment and appropriate annular returns.
  - b. Perform flow check to confirm well is static.
4. Set pack-off
  - a. If utilizing a fluted/ported mandrel hanger, ensure well is static on the annulus and inside the casing by ensuring pipe is full of drilling fluid, remove landing joint, and set annular packoff through BOP. Pressure test to 5,000 psi for 10 min.
  - b. If utilizing a solid mandrel hanger, ensure well is static on the annulus and inside the casing by ensuring pipe is full of drilling fluid. Pressure test seals to 5,000 psi for 10 min. Remove landing joint through BOP.
5. After confirmation of both annular barriers and the two casing barriers, install TA plug/BPV and pressure test to 5,000 psi for 10 min. Notify the BLM with intent to proceed with nipple down and offline cementing.

- a. Minimum 4 hrs notice.
6. With the well secured and BLM notified, nipple down BOP and secure on BOP handler.
  - a. **Note, if any of the barriers fail to test, the BOP stack will not be nipped down until after the cement job has concluded and tail cement has reached 500 psi**
7. Skid/Walk rig off current well.
8. Confirm well is static before removing TA Plug.
  - a. Cementing operations will not proceed until well is under control. (If well is not static, notify BLM and proceed to kill)
  - b. Casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing, if needed.
  - c. Well control plan can be seen in Section B, Well Control Procedures.
  - d. If need be, rig can be moved back over well and BOP nipped back up for any further remediation.
9. Rig up return lines to take returns from wellhead to pits and rig choke.
  - a. Test all connections and lines from wellhead to choke manifold to 5,000 psi high for 10 min.
  - b. If either test fails, perform corrections and retest before proceeding.
  - c. Return line schematics can be seen in Figure 2.
10. Remove TA Plug/BPV from the casing.
11. Install offline cement tool.
  - a. Current offline cement tool schematics can be seen in Figure 1 (Streamflo)
12. Rig up cement head and cementing lines.
  - a. Pressure test cement lines against cement head to 80% of casing burst for 10 min.
13. Break circulation on well to confirm no restrictions.
  - a. If gas is present on circulation, well will be shut in and returns rerouted through gas buster.
  - b. Max anticipated time before circulating with cement truck is 6 hrs.
14. Pump cement job as per plan.
  - a. At plug bump, test casing to 0.22 psi/ft or 1500 psi, whichever is greater.
  - b. If plug does not bump on calculated displacement, shut down and wait 8 hrs or 500 psi compressive strength, whichever is greater before testing casing.
15. Confirm well is static and floats are holding after cement job.
  - a. With floats holding and backside static:
    - i. Remove cement head.
  - b. If floats are leaking:
    - i. Shut-in well and WOC (Wait on Cement) until tail slurry reaches 500 psi compressive strength and the casing is static prior to removing cement head.
  - c. If there is flow on the backside:
    - i. Shut in well and WOC until tail slurry reaches 500 psi compressive strength. Ensure that the casing is static prior to removing cement head.
16. Remove offline cement tool.
17. Install night cap with pressure gauge for monitoring.
18. Test night cap to 5,000 psi for 10 min.

### Example Well Control Plan Content

## A. Well Control Component Table

The table below, which covers the cementing of the **5M MASP (Maximum Allowable Surface Pressure) portion of the well**, outlines the well control component rating in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the BOP nipped up to the wellhead.

Intermediate hole section, 5M requirement

Component	RWP
Pack-off	10M
Casing Wellhead Valves	10M
Annular Wellhead Valves	5M
TA Plug	10M
Float Valves	5M
2" 1502 Lo-Torque Valves	10M

## B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while circulating and cementing through the Offline Cement Adapter.

### General Procedure While Circulating

1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Read and record the following:
  - a. SICP (Shut in Casing Pressure) and AP (Annular Pressure)
  - b. Pit gain
  - c. Time
  - d. Regroup and identify forward plan to continue circulating out kick via rig choke and mud/gas separator. Circulate and adjust mud density as needed to control well.

### General Procedure While Cementing

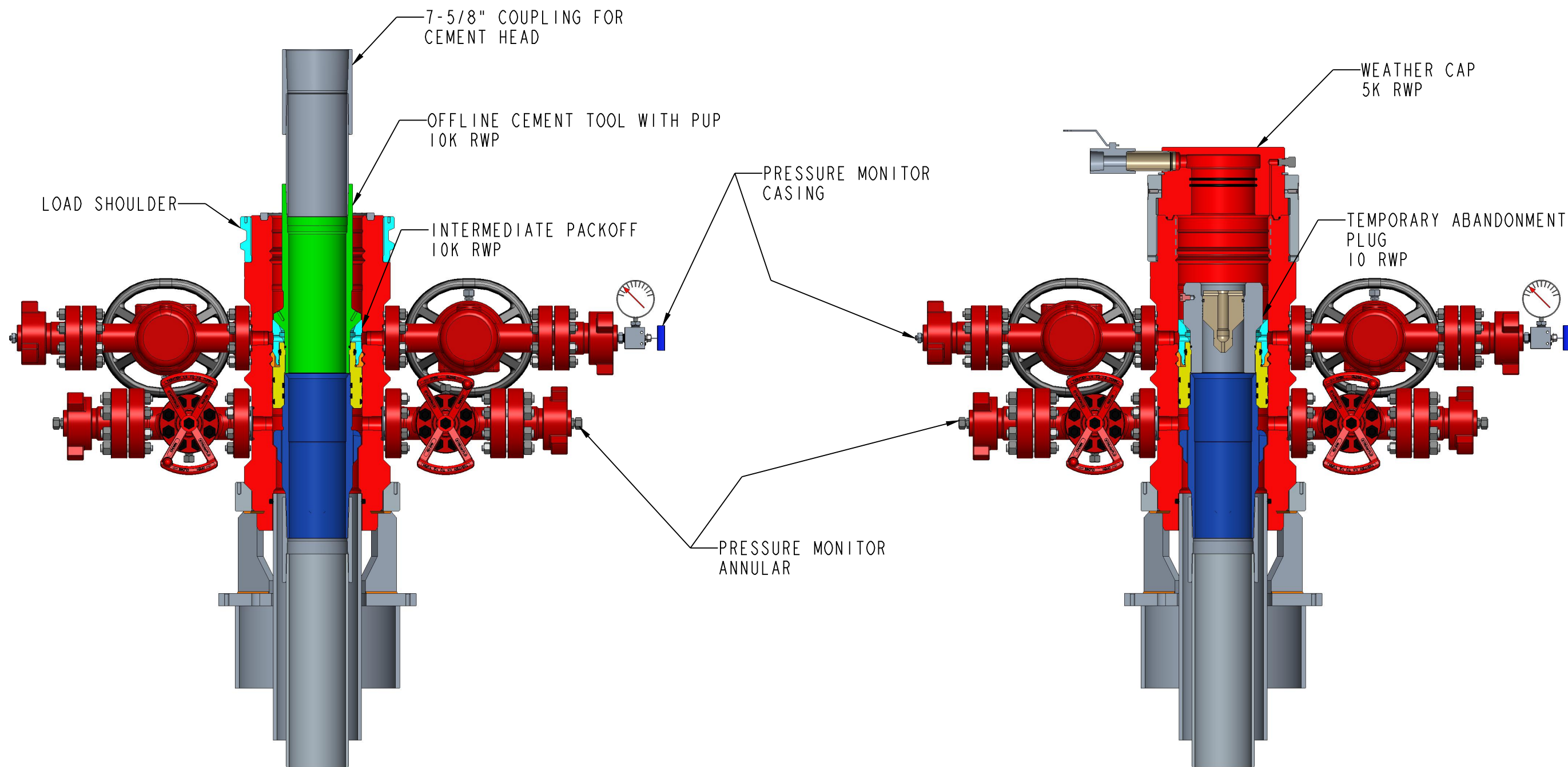
1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through choke manifold and mud/gas separator.

7. Continue to place cement until plug bumps.
8. At plug bump close rig choke and cement head.
9. Read and record the following
  - a. SICP and AP
  - b. Pit gain
  - c. Time
  - d. Shut-in annulus valves on wellhead

General Procedure After Cementing

1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
  - a. SICP and AP
  - b. Pit gain
  - c. Time
  - d. Shut-in annulus valves on wellhead

Figure 1: Offline Cement Tool Schematics




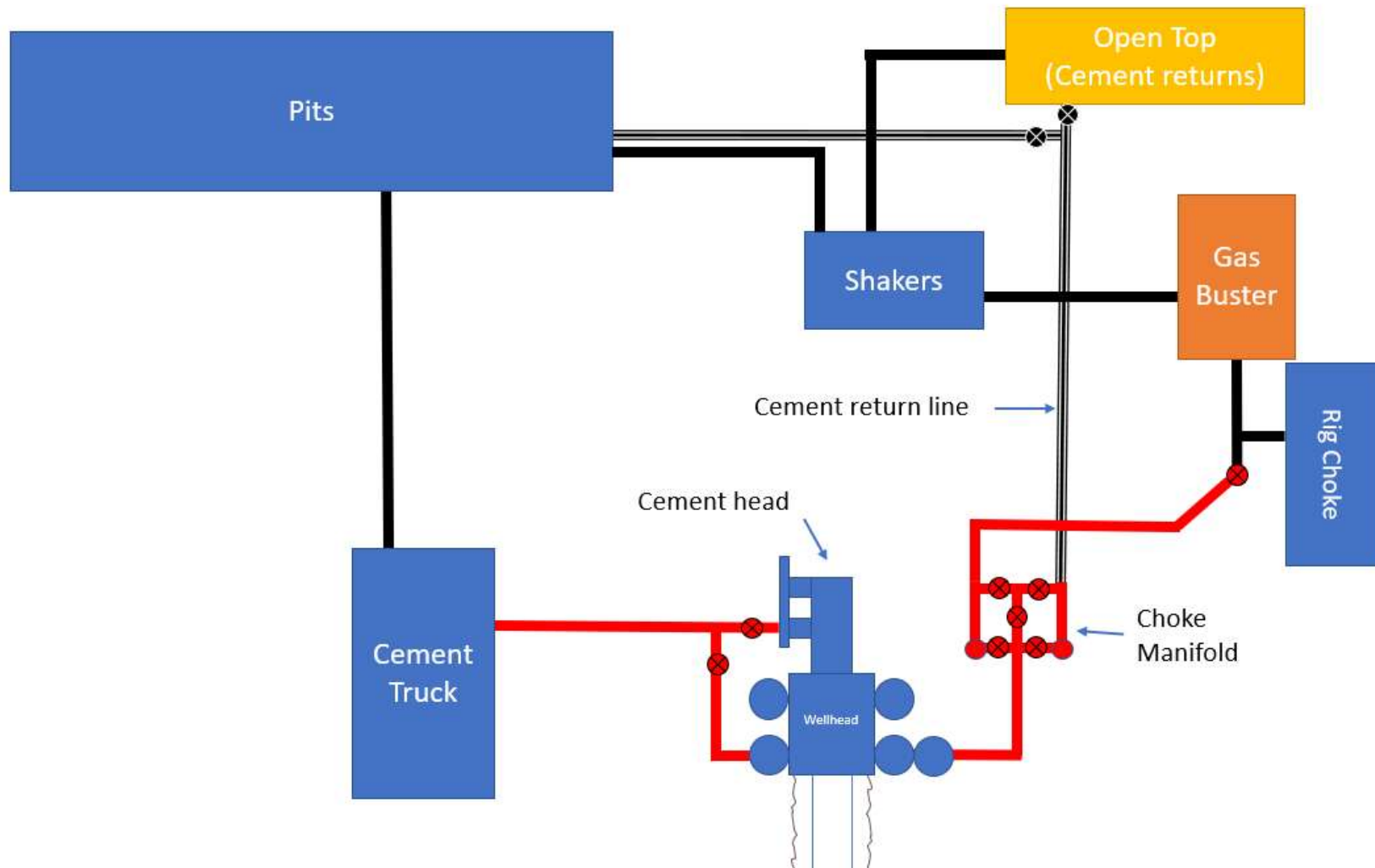
CONOCOPHILLIPS COMPANY 7-5/8" OFFLINE CEMENT AND ABANDMENT PLUG LAYOUT DMLX WELLHEAD ASSEMBLY	DWN.	CWB	03-09-23	 Worldwide Expertise - Global Strength	DRAWING No.  <b>WH-24621</b>
	CHK.				
	APPR.				
		BY	DATE		
XX-XXXX XX-XXXX	Commonspace	WH-24621			WH-24621

Figure 2: Back Yard Rig Up



\*All lines rated to 10M working pressure

\*\*Cement head rated to 7.5M working pressure

# **DELAWARE BASIN WEST**

**ATLAS PROSPECT\_NME  
TATER SALAD & MOMBA FEDERAL  
TATER SALAD FEDERAL COM 902H  
300154774900  
OWB  
PWP2**

## **Anticollision Report**

**31 January, 2026**

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

<b>Reference</b>	PWP2		
<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 1,000.00usft	<b>Error Surface:</b>	Combined Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.79 Sigma	<b>Casing Method:</b>	Added to Error Values

<b>Survey Tool Program</b>	<b>Date</b>	1/31/2026		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	2,000.00	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.
2,000.00	10,318.18	PWP2 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
10,318.18	21,140.85	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.

<b>Summary</b>	<b>Reference Measured Depth (usft)</b>	<b>Offset Measured Depth (usft)</b>	<b>Distance Between Centres (usft)</b>	<b>Distance Between Ellipses (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
<b>Site Name</b>						
<b>Offset Well - Wellbore - Design</b>						
TATER SALAD & MOMBA FEDERAL						
GOLDEN GRAHAM 1 STATE COM 764H - OWB - AWP	21,140.85	10,505.27	694.09	608.79	8.137	CC, ES, SF
MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP	0.00	0.00	444.97			
MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP	6,600.00	6,565.00	563.19	532.38	18.281	SF
MOMBA FEDERAL COM 701H - OWB - AWP	9,688.87	9,834.91	307.42	278.63	10.676	CC, ES
MOMBA FEDERAL COM 701H - OWB - AWP	9,700.00	9,840.46	307.57	278.72	10.661	SF
MOMBA FEDERAL COM 702H - OWB - AWP	9,699.44	10,000.10	377.51	348.74	13.119	CC
MOMBA FEDERAL COM 702H - OWB - AWP	9,700.00	10,000.16	377.51	348.74	13.119	ES, SF
MOMBA FEDERAL COM 703H - OWB - AWP	708.50	697.66	684.94	678.37	104.142	CC, ES
MOMBA FEDERAL COM 703H - OWB - AWP	7,200.00	7,111.30	996.17	974.04	45.019	SF
MOMBA FEDERAL COM 901H - OWB - PWP1	11,108.05	10,789.16	146.05	112.27	4.324	CC, ES, SF
MOMBA FEDERAL COM 902H - OWB - PWP2	10,750.00	11,256.42	403.56	372.52	13.002	SF
MOMBA FEDERAL COM 902H - OWB - PWP2	10,998.39	11,030.72	386.98	357.59	13.166	CC, ES
MOMBA FEDERAL COM 903H - OWB - PWP2	2,529.20	2,514.45	859.01	848.02	78.175	CC, ES
MOMBA FEDERAL COM 903H - OWB - PWP2	4,600.00	4,566.28	999.39	982.45	58.988	SF
TATER SALAD FEDERAL COM 701H - OWB - PWP2	1,966.33	1,967.33	208.77	197.43	18.415	CC
TATER SALAD FEDERAL COM 701H - OWB - PWP2	2,000.00	2,000.00	208.77	197.33	18.250	ES
TATER SALAD FEDERAL COM 701H - OWB - PWP2	4,600.00	4,551.73	367.98	340.37	13.330	SF
TATER SALAD FEDERAL COM 702H - OWB - PWP2	3,657.06	3,652.23	108.70	91.64	6.373	CC, ES
TATER SALAD FEDERAL COM 702H - OWB - PWP2	3,800.00	3,793.78	110.51	93.08	6.341	SF
TATER SALAD FEDERAL COM 703H - OWB - PWP2	2,932.20	2,939.59	26.01	11.96	1.851	Caution - Monitor Closely, CC, ES, SF
TATER SALAD FEDERAL COM 704H - OWB - PWP2	2,483.76	2,505.20	57.41	44.62	4.489	CC, ES
TATER SALAD FEDERAL COM 704H - OWB - PWP2	2,500.00	2,520.56	57.70	44.83	4.485	SF
TATER SALAD FEDERAL COM 901H - OWB - PWP2	2,000.00	2,000.10	20.00	8.56	1.748	Caution - Monitor Closely, CC, ES, SF
TATER SALAD FEDERAL COM 903H - OWB - PWP2	1,966.63	1,966.73	60.00	48.66	5.293	CC
TATER SALAD FEDERAL COM 903H - OWB - PWP2	2,000.00	2,000.00	60.00	48.56	5.245	ES
TATER SALAD FEDERAL COM 903H - OWB - PWP2	21,140.85	20,686.55	549.75	383.03	3.297	SF
TATER SALAD FEDERAL COM 904H - OWB - PWP2	2,121.80	2,121.41	39.84	28.06	3.382	CC, ES
TATER SALAD FEDERAL COM 904H - OWB - PWP2	2,200.00	2,199.03	40.31	28.31	3.360	SF
TATER SALAD FEDERAL COM 905H - OWB - PWP2	2,124.00	2,123.86	19.62	7.83	1.665	Caution - Monitor Closely, CC, ES, SF

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

**ConocoPhillips**  
Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> TATER SALAD & MOMBA FEDERAL - GOLDEN GRAHAM 1 STATE COM 764H - OWB - AWP													<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 182-r.5 MWD													<b>Offset Well Error:</b>	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		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)	No-Go Distance (usft)	Separation Factor		
20,800.00	10,799.15	10,413.56	10,304.02	89.34	32.86	35.57	10,959.19	666.83	927.77	858.54	69.23	13.402		
20,900.00	10,799.40	10,449.00	10,332.27	90.18	32.80	37.14	10,980.58	666.37	854.23	781.38	72.85	11.725		
21,000.00	10,799.65	10,449.00	10,332.27	91.03	32.80	37.14	10,980.58	666.37	784.70	706.60	78.10	10.048		
21,100.00	10,799.90	10,493.04	10,365.21	91.87	32.78	39.11	11,009.78	665.78	719.12	636.15	82.97	8.667		
21,140.85	10,800.00	10,505.27	10,373.81	92.21	32.78	39.66	11,018.47	665.58	694.09	608.79	85.30	8.137	CC, ES, SF	

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP														Offset Site Error:	0.00 usft	
Survey Program: 100-r.5 SDI_KPR_ADK, 6533-r.5 MWD														Offset Well Error:		3.00 usft
Reference: 100-r.5 SDI_KPR_ADK, 6533-r.5 MWD																
Offset																
Semi Major Axis																
Reference																
Offset																
Highside																
Toolface																
Offset Wellbore Centre																
Distance																
Rule Assigned:																
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset	+N/-S	+E/-W	Between	Between	No-Go	Separation			
Depth	Depth	Depth	Depth	Depth	Depth	Depth	Depth	(usft)	(usft)	Centres	Ellipses	Distance	Factor	Warning		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)			
0.00	0.00	0.00	13.00	0.00	3.00	158.49		-413.80	163.10	444.97						
100.00	100.00	82.77	95.76	0.77	3.02	158.53		-414.29	162.94	445.20	440.37	4.82	92.299			
200.00	200.00	182.37	195.36	1.44	3.10	158.66		-415.66	162.40	446.28	441.05	5.23	85.268			
300.00	300.00	280.89	293.86	1.88	3.22	158.79		-417.11	161.84	447.45	441.80	5.65	79.156			
400.00	400.00	377.56	390.52	2.25	3.36	158.88		-418.89	161.82	449.16	443.08	6.08	73.897			
500.00	500.00	471.90	484.82	2.56	3.52	158.87		-421.21	162.83	451.84	445.33	6.52	69.340			
600.00	600.00	569.37	582.22	2.84	3.71	158.77		-424.36	164.85	455.60	448.63	6.97	65.355			
700.00	700.00	671.09	683.86	3.10	3.94	158.65		-427.60	167.17	459.40	451.94	7.45	61.630			
800.00	800.00	770.12	782.82	3.34	4.18	158.49		-430.37	169.57	462.89	454.96	7.93	58.344			
900.00	900.00	868.46	881.09	3.57	4.44	158.39		-433.63	171.78	466.80	458.38	8.42	55.418			
1,000.00	1,000.00	969.88	982.42	3.79	4.74	158.34		-437.23	173.66	470.78	461.85	8.93	52.706			
1,100.00	1,100.00	1,072.24	1,084.72	3.99	5.04	158.30		-440.41	175.28	474.25	464.81	9.45	50.205			
1,200.00	1,200.00	1,172.93	1,185.37	4.19	5.35	158.26		-443.19	176.72	477.35	467.40	9.95	47.953			
1,300.00	1,300.00	1,275.94	1,288.33	4.38	5.67	158.23		-445.80	178.03	480.18	469.71	10.47	45.869			
1,400.00	1,400.00	1,377.01	1,389.37	4.56	5.98	158.22		-447.87	178.98	482.42	471.45	10.97	43.975			
1,500.00	1,500.00	1,479.76	1,492.11	4.74	6.29	158.17		-449.62	180.07	484.40	472.94	11.46	42.257			
1,600.00	1,600.00	1,581.27	1,593.61	4.91	6.58	158.09		-450.70	181.28	485.83	473.90	11.94	40.706			
1,700.00	1,700.00	1,681.30	1,693.63	5.08	6.88	158.04		-451.74	182.17	487.13	474.72	12.40	39.273			
1,800.00	1,800.00	1,781.11	1,793.43	5.24	7.18	158.02		-452.89	182.84	488.45	475.58	12.88	37.933			
1,900.00	1,900.00	1,880.58	1,892.89	5.40	7.49	158.04		-454.25	183.19	489.85	476.49	13.35	36.685			
2,000.00	2,000.00	1,978.27	1,990.56	5.56	7.79	157.98		-455.57	184.22	491.50	477.67	13.83	35.550			
2,100.00	2,099.99	2,075.05	2,087.28	5.70	8.07	102.77		-456.66	187.29	493.93	479.68	14.25	34.657			
2,200.00	2,199.96	2,171.74	2,183.86	5.84	8.36	102.62		-457.93	191.61	497.41	482.75	14.67	33.913			
2,300.00	2,299.86	2,267.80	2,279.80	6.00	8.66	102.62		-459.75	196.28	501.97	486.88	15.09	33.258			
2,400.00	2,399.68	2,364.07	2,375.84	6.17	8.98	102.66		-461.77	202.44	507.68	492.16	15.52	32.704			
2,500.00	2,499.37	2,466.29	2,477.77	6.36	9.32	102.80		-463.89	209.85	514.08	498.11	15.97	32.191			
2,600.00	2,598.89	2,570.88	2,582.14	6.59	9.67	86.63		-465.39	216.47	518.42	501.98	16.44	31.526			
2,700.00	2,698.16	2,676.16	2,687.30	6.85	10.01	76.86		-466.46	221.58	519.27	502.41	16.86	30.801			
2,717.41	2,715.41	2,694.55	2,705.66	6.88	10.06	75.63		-466.58	222.28	519.05	502.13	16.91	30.691			
2,800.00	2,797.19	2,777.11	2,788.17	7.08	10.32	76.58		-467.07	225.24	517.75	500.55	17.19	30.115			
2,900.00	2,896.22	2,878.90	2,889.91	7.34	10.63	77.78		-467.56	228.60	516.17	498.65	17.52	29.463			
3,000.00	2,995.25	2,979.31	2,990.28	7.62	10.93	79.02		-467.78	231.39	514.41	496.59	17.82	28.873			
3,100.00	3,094.27	3,079.34	3,090.28	7.91	11.23	80.28		-467.94	233.92	512.77	494.67	18.10	28.336			
3,200.00	3,193.30	3,180.39	3,191.30	8.21	11.51	81.60		-467.98	236.09	511.17	492.82	18.35	27.855			
3,300.00	3,292.33	3,279.93	3,290.82	8.53	11.79	82.94		-467.85	237.92	509.59	491.01	18.58	27.428			
3,400.00	3,391.35	3,378.58	3,389.46	8.85	12.07	84.31		-467.83	239.48	508.36	489.55	18.80	27.034			
3,500.00	3,490.38	3,477.94	3,488.82	9.19	12.35	85.70		-467.90	240.94	507.49	488.46	19.03	26.664			
3,600.00	3,589.41	3,577.42	3,588.29	9.53	12.64	87.16		-468.00	241.94	506.88	487.62	19.26	26.317			
3,700.00	3,688.43	3,676.03	3,686.89	9.88	12.92	88.64		-468.15	242.58	506.62	487.12	19.50	25.984			
3,705.40	3,693.78	3,681.34	3,692.21	9.90	12.93	88.72		-468.16	242.62	506.62	487.11	19.51	25.967			
3,800.00	3,787.46	3,774.39	3,785.25	10.24	13.21	90.12		-468.44	243.22	506.84	487.08	19.76	25.653			
3,900.00	3,886.49	3,874.02	3,884.88	10.60	13.50	91.63		-468.80	243.75	507.46	487.43	20.03	25.334			
4,000.00	3,985.52	3,973.13	3,983.99	10.97	13.79	93.14		-469.05	244.14	508.34	488.03	20.31	25.033			
4,100.00	4,084.54	4,070.58	4,081.44	11.34	14.06	94.64		-469.45	244.40	509.71	489.11	20.61	24.735			
4,200.00	4,183.57	4,168.54	4,179.39	11.71	14.32	96.15		-470.18	244.54	511.78	490.84	20.94	24.439			
4,300.00	4,282.60	4,267.35	4,278.20	12.09	14.58	97.67		-471.02	244.59	514.33	493.03	21.30	24.152			
4,365.62	4,347.58	4,331.99	4,342.84	12.33	14.75	98.65		-471.58	244.67	516.21	494.70	21.51	23.994			
4,400.00	4,381.64	4,365.67	4,376.52	12.45	14.83	99.16		-471.90	244.67	517.28	495.65	21.62	23.921			
4,500.00	4,480.86	4,464.87	4,475.71	12.82	15.09	100.53		-472.92	244.61	520.46	498.45	22.01	23.648			
4,600.00	4,580.28	4,564.89	4,575.73	13.19	15.36	101.70		-473.86	244.71	523.47	501.06	22.40	23.365			
4,700.00	4,679.87	4,664.89	4,675.73	13.55	15.65	102.64		-474.73	245.05	526.20	503.40	22.79	23.084			

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP														Offset Site Error:	0.00 usft
Survey Program: 100-r.5 SDI_KPR_ADK, 6533-r.5 MWD														Offset Well Error:	3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)					
4,800.00	4,779.61	4,763.42	4,774.25	13.90	15.96	103.33	-475.65	245.73	528.68	505.50	23.18	22.806			
4,900.00	4,879.45	4,860.83	4,871.65	14.23	16.27	103.84	-476.93	246.29	531.21	507.62	23.58	22.525			
5,000.00	4,979.38	4,959.61	4,970.41	14.53	16.59	104.16	-478.66	246.98	533.75	509.75	24.01	22.234			
5,100.00	5,079.36	5,059.58	5,070.36	14.80	16.90	104.31	-480.43	247.48	535.93	511.49	24.44	21.926			
5,165.64	5,145.00	5,125.57	5,136.34	14.88	17.11	-171.80	-481.56	247.64	537.12	512.41	24.71	21.739			
5,200.00	5,179.36	5,160.36	5,171.13	14.88	17.21	-171.82	-482.13	247.72	537.66	512.82	24.84	21.646			
5,300.00	5,279.36	5,260.69	5,271.44	14.94	17.52	-171.88	-483.66	248.04	539.12	513.87	25.25	21.347			
5,400.00	5,379.36	5,359.64	5,370.38	14.99	17.83	-171.95	-485.26	248.54	540.66	514.99	25.67	21.063			
5,500.00	5,479.36	5,459.21	5,469.93	15.04	18.15	-172.03	-487.08	248.99	542.40	516.31	26.09	20.790			
5,600.00	5,579.36	5,557.71	5,568.42	15.09	18.47	-172.11	-488.94	249.48	544.21	517.69	26.51	20.525			
5,700.00	5,679.36	5,656.88	5,667.56	15.15	18.78	-172.17	-491.15	249.80	546.37	519.42	26.95	20.273			
5,800.00	5,779.36	5,756.96	5,767.62	15.20	19.09	-172.22	-493.32	249.95	548.50	521.10	27.40	20.020			
5,900.00	5,879.36	5,857.44	5,868.07	15.25	19.41	-172.27	-495.51	250.15	550.63	522.78	27.85	19.773			
6,000.00	5,979.36	5,958.49	5,969.10	15.31	19.73	-172.33	-497.54	250.47	552.58	524.28	28.30	19.527			
6,100.00	6,079.36	6,057.78	6,068.37	15.36	20.04	-172.38	-499.43	250.72	554.43	525.69	28.74	19.290			
6,200.00	6,179.36	6,156.79	6,167.36	15.42	20.36	-172.44	-501.57	250.96	556.54	527.35	29.19	19.066			
6,300.00	6,279.36	6,257.87	6,268.41	15.47	20.69	-172.50	-503.77	251.33	558.65	529.00	29.65	18.842			
6,400.00	6,379.36	6,357.92	6,368.45	15.52	21.01	-172.56	-505.70	251.65	560.52	530.42	30.10	18.621			
6,500.00	6,479.36	6,460.14	6,470.64	15.58	21.30	-172.59	-507.65	251.71	562.41	531.86	30.55	18.409			
6,600.00	6,579.36	6,565.00	6,575.49	15.63	21.43	-172.47	-508.31	250.36	563.19	532.38	30.81	18.281 SF			
6,700.00	6,679.36	6,606.41	6,616.81	15.69	21.45	-172.39	-510.57	249.30	569.00	538.21	30.80	18.477			
6,800.00	6,779.36	6,645.32	6,655.18	15.75	21.46	-172.32	-516.72	247.77	585.18	554.56	30.62	19.113			
6,900.00	6,879.36	6,689.00	6,697.25	15.80	21.48	-172.18	-528.02	244.80	611.21	580.86	30.35	20.138			
7,000.00	6,979.36	6,720.00	6,726.22	15.86	21.49	-172.04	-538.63	241.90	646.01	616.11	29.90	21.603			
7,100.00	7,079.36	6,751.00	6,754.38	15.91	21.51	-171.91	-551.20	238.72	688.74	659.31	29.43	23.404			
7,200.00	7,179.36	6,794.08	6,791.98	15.97	21.54	-171.81	-571.80	234.68	738.04	708.93	29.12	25.348			
7,300.00	7,279.36	6,827.95	6,820.21	16.03	21.56	-171.85	-590.36	232.46	793.28	764.52	28.76	27.580			
7,400.00	7,379.36	6,860.28	6,845.95	16.08	21.59	-172.00	-609.88	231.48	853.56	825.09	28.46	29.987			
7,500.00	7,479.36	6,889.91	6,868.48	16.14	21.62	-172.27	-629.11	232.01	918.08	889.87	28.21	32.540			
7,600.00	7,579.36	6,908.00	6,881.64	16.20	21.64	-172.47	-641.49	232.82	986.57	958.65	27.92	35.338			

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 701H - OWB - AWP														Offset Site Error:	0.00 usft		
Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR														Rule Assigned:		Offset Well Error:	3.00 usft
Semi Major Axis														Distance		Warning	
Measured Reference	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	No-Go	Separation					
Depth	Depth	Depth	Depth	Offset	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Distance	Factor					
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)						
0.00	0.00	0.00	11.00	0.00	3.00	-31.27	562.80	-341.80	658.55								
100.00	100.00	92.01	103.01	0.77	3.00	-31.33	562.29	-342.24	658.26	653.46	4.80	137.173					
200.00	200.00	192.39	203.37	1.44	3.00	-31.49	561.04	-343.71	657.96	652.84	5.12	128.493					
300.00	300.00	294.69	305.65	1.88	3.02	-31.65	559.49	-344.84	657.25	651.83	5.43	121.111					
400.00	400.00	398.08	409.02	2.25	3.03	-31.75	557.68	-345.09	655.88	650.15	5.72	114.616					
500.00	500.00	497.32	508.25	2.56	3.05	-31.87	555.94	-345.58	654.65	648.65	6.01	108.967					
600.00	600.00	591.59	602.50	2.84	3.07	-32.03	554.44	-346.89	654.02	647.74	6.28	104.136					
622.44	622.44	611.54	622.44	2.90	3.08	-32.06	554.20	-347.18	653.97	647.63	6.34	103.180					
700.00	700.00	687.41	698.30	3.10	3.10	-32.20	553.58	-348.66	654.23	647.69	6.54	100.019					
800.00	800.00	784.88	795.73	3.34	3.13	-32.42	552.60	-350.99	654.66	647.87	6.79	96.359					
900.00	900.00	882.15	892.93	3.57	3.17	-32.72	551.44	-354.35	655.52	648.48	7.04	93.114					
1,000.00	1,000.00	1,006.85	1,017.54	3.79	3.22	-33.10	548.64	-357.61	655.13	647.85	7.29	89.924					
1,100.00	1,100.00	1,104.19	1,114.83	3.99	3.26	-33.26	545.55	-357.81	652.59	645.06	7.53	86.678					
1,200.00	1,200.00	1,205.12	1,215.70	4.19	3.31	-33.46	542.13	-358.25	649.99	642.23	7.77	83.667					
1,285.56	1,285.56	1,275.00	1,285.56	4.35	3.33	-33.54	540.70	-358.36	648.67	640.71	7.97	81.412					
1,300.00	1,300.00	1,288.35	1,298.92	4.38	3.33	-33.53	540.73	-358.34	648.69	640.69	8.00	81.085					
1,400.00	1,400.00	1,389.33	1,399.90	4.56	3.33	-33.52	540.93	-358.30	648.83	640.61	8.22	78.917					
1,500.00	1,500.00	1,490.91	1,501.47	4.74	3.38	-33.55	540.59	-358.50	648.66	640.21	8.45	76.788					
1,600.00	1,600.00	1,596.26	1,606.79	4.91	3.38	-33.36	541.31	-356.43	648.16	639.49	8.67	74.758					
1,700.00	1,700.00	1,695.09	1,705.55	5.08	3.38	-33.05	542.61	-353.04	647.37	638.49	8.89	72.841					
1,800.00	1,800.00	1,794.63	1,805.03	5.24	3.38	-32.76	543.90	-349.99	646.79	637.69	9.10	71.063					
1,900.00	1,900.00	1,893.08	1,903.45	5.40	3.38	-32.54	544.74	-347.58	646.20	636.88	9.31	69.381					
2,000.00	2,000.00	2,003.38	2,013.71	5.56	3.40	-32.30	545.21	-344.64	645.15	635.62	9.53	67.716					
2,100.00	2,099.99	2,132.92	2,142.80	5.70	3.43	-86.69	544.87	-334.48	640.72	631.00	9.72	65.890					
2,200.00	2,199.96	2,235.69	2,244.81	5.84	3.47	-86.06	544.53	-322.01	633.95	624.04	9.91	63.984					
2,300.00	2,299.86	2,349.73	2,357.66	6.00	3.51	-85.35	543.60	-305.61	625.56	615.48	10.09	62.009					
2,400.00	2,399.68	2,454.07	2,460.51	6.17	3.56	-84.72	541.64	-288.15	614.99	604.71	10.27	59.861					
2,500.00	2,499.37	2,541.67	2,547.28	6.36	3.61	-84.60	539.35	-276.37	605.34	594.87	10.47	57.832					
2,600.00	2,598.89	2,630.68	2,635.72	6.59	3.65	-101.34	537.78	-266.44	598.94	588.21	10.72	55.850					
2,700.00	2,698.16	2,725.71	2,730.25	6.85	3.70	-112.30	537.17	-256.70	596.89	585.95	10.94	54.544					
2,716.98	2,714.98	2,743.99	2,748.43	6.87	3.71	-113.77	537.07	-254.85	596.86	585.91	10.96	54.477					
2,717.41	2,715.41	2,744.46	2,748.89	6.88	3.72	-113.80	537.07	-254.80	596.86	585.91	10.96	54.476					
2,800.00	2,797.19	2,828.80	2,832.80	7.08	3.76	-114.15	536.52	-246.19	596.85	585.73	11.11	53.711					
2,900.00	2,896.22	2,928.92	2,932.16	7.34	3.83	-114.36	536.39	-233.94	596.27	584.95	11.31	52.706					
3,000.00	2,995.25	3,031.45	3,033.85	7.62	3.89	-114.51	536.62	-220.85	595.73	584.21	11.52	51.707					
3,100.00	3,094.27	3,130.13	3,131.71	7.91	3.96	-114.66	536.73	-208.16	595.05	583.32	11.74	50.694					
3,200.00	3,193.30	3,240.39	3,241.10	8.21	4.04	-114.89	536.08	-194.32	593.96	582.00	11.96	49.654					
3,300.00	3,292.33	3,345.13	3,344.92	8.53	4.12	-115.16	533.66	-180.68	591.12	578.92	12.20	48.461					
3,400.00	3,391.35	3,443.68	3,442.59	8.85	4.19	-115.41	531.39	-167.80	588.29	575.84	12.44	47.278					
3,500.00	3,490.38	3,539.00	3,537.15	9.19	4.27	-115.71	529.26	-155.99	585.89	573.19	12.70	46.142					
3,600.00	3,589.41	3,638.28	3,635.74	9.53	4.35	-116.07	527.30	-144.44	584.13	571.17	12.96	45.071					
3,700.00	3,688.43	3,737.08	3,733.85	9.88	4.44	-116.43	525.38	-132.97	582.43	569.20	13.23	44.019					
3,800.00	3,787.46	3,831.63	3,827.76	10.24	4.52	-116.76	524.02	-122.05	581.21	567.70	13.51	43.023					
3,900.00	3,886.49	3,930.45	3,925.89	10.60	4.61	-117.04	523.41	-110.40	580.58	566.79	13.79	42.095					
4,000.00	3,985.52	4,034.55	4,029.24	10.97	4.70	-117.34	522.56	-97.98	579.71	565.62	14.08	41.164					
4,100.00	4,084.54	4,132.75	4,126.77	11.34	4.79	-117.65	521.51	-86.55	578.80	564.42	14.38	40.242					
4,200.00	4,183.57	4,229.87	4,223.28	11.71	4.88	-118.02	520.24	-75.77	578.03	563.34	14.69	39.339					
4,225.50	4,208.82	4,253.46	4,246.74	11.81	4.90	-118.12	520.01	-73.29	577.99	563.21	14.77	39.122					
4,300.00	4,282.60	4,327.72	4,320.64	12.09	4.97	-118.48	519.11	-66.05	578.06	563.04	15.02	38.495					
4,365.62	4,347.58	4,391.11	4,383.75	12.33	5.04	-118.81	518.34	-60.12	578.29	563.09	15.21	38.027					
4,400.00	4,381.64	4,425.00	4,417.49	12.45	5.07	-118.99	517.92	-57.03	578.41	563.11	15.30	37.806					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 701H - OWB - AWP														Offset Site Error:	0.00 usft
Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR											Rule Assigned:		Offset Well Error:	3.00 usft	
Measured Reference		Measured Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning		
Depth (usft)	Vertical Depth (usft)	Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
4,500.00	4,480.86	4,523.01	4,515.10	12.82	5.16	-119.40	516.80	-48.22	578.37	562.74	15.63	37.002			
4,600.00	4,580.28	4,625.00	4,616.66	13.19	5.26	-119.66	515.54	-38.98	577.37	561.42	15.95	36.196			
4,700.00	4,679.87	4,723.42	4,714.69	13.55	5.36	-119.78	514.37	-30.31	575.70	559.45	16.25	35.418			
4,800.00	4,779.61	4,823.11	4,814.00	13.90	5.46	-119.74	513.41	-21.60	573.39	556.85	16.54	34.674			
4,900.00	4,879.45	4,933.38	4,923.65	14.23	5.58	-119.39	511.71	-10.11	568.72	551.93	16.79	33.868			
5,000.00	4,979.38	5,033.41	5,023.09	14.53	5.68	-118.90	509.91	0.51	562.94	545.92	17.01	33.090			
5,100.00	5,079.36	5,131.60	5,120.74	14.80	5.79	-118.29	507.85	10.62	556.30	539.11	17.20	32.345			
5,165.64	5,145.00	5,196.58	5,185.39	14.88	5.85	-33.94	506.50	16.99	551.73	534.47	17.26	31.970			
5,200.00	5,179.36	5,229.89	5,218.54	14.88	5.89	-33.71	505.70	20.14	549.22	531.96	17.27	31.808			
5,300.00	5,279.36	5,327.50	5,315.72	14.94	5.99	-33.03	503.90	29.13	542.60	525.24	17.35	31.269			
5,400.00	5,379.36	5,426.79	5,414.16	14.99	6.10	-31.84	504.30	42.07	535.90	518.51	17.40	30.805			
5,500.00	5,479.36	5,524.09	5,510.63	15.04	6.21	-30.65	504.77	54.76	529.52	512.08	17.44	30.355			
5,600.00	5,579.36	5,641.35	5,626.82	15.09	6.34	-29.18	504.44	70.45	522.64	505.14	17.51	29.857			
5,700.00	5,679.36	5,740.50	5,724.83	15.15	6.45	-27.84	502.38	85.31	513.60	496.04	17.57	29.240			
5,800.00	5,779.36	5,839.62	5,822.90	15.20	6.56	-26.54	499.98	99.49	504.85	487.21	17.64	28.624			
5,900.00	5,879.36	5,936.33	5,918.69	15.25	6.67	-25.31	497.35	112.61	496.42	478.71	17.72	28.017			
6,000.00	5,979.36	6,033.91	6,015.48	15.31	6.78	-24.17	494.61	124.62	488.69	470.87	17.81	27.434			
6,100.00	6,079.36	6,130.75	6,111.69	15.36	6.89	-23.15	491.84	135.31	481.61	463.69	17.92	26.879			
6,200.00	6,179.36	6,228.44	6,208.84	15.42	7.00	-22.19	489.10	145.11	475.13	457.10	18.03	26.350			
6,300.00	6,279.36	6,324.86	6,304.85	15.47	7.11	-21.32	486.70	153.73	469.48	451.33	18.15	25.865			
6,400.00	6,379.36	6,429.59	6,408.80	15.52	7.24	-19.97	484.59	166.27	463.33	445.07	18.27	25.363			
6,500.00	6,479.36	6,528.99	6,507.38	15.58	7.35	-18.59	482.48	178.72	457.15	438.77	18.39	24.862			
6,600.00	6,579.36	6,622.98	6,600.88	15.63	7.46	-17.56	480.20	188.03	451.74	433.23	18.52	24.398			
6,700.00	6,679.36	6,713.27	6,690.92	15.69	7.56	-16.83	478.82	194.49	448.16	429.51	18.65	24.033			
6,800.00	6,779.36	6,809.91	6,787.27	15.75	7.67	-15.92	478.67	201.94	445.84	427.06	18.78	23.737			
6,900.00	6,879.36	6,903.77	6,880.77	15.80	7.78	-14.87	480.16	209.95	445.08	426.17	18.91	23.531			
6,995.88	6,975.24	6,998.89	6,975.37	15.86	7.88	-13.60	482.45	219.61	444.91	425.87	19.05	23.356			
7,000.00	6,979.36	7,002.69	6,979.14	15.86	7.89	-13.54	482.55	220.02	444.91	425.86	19.06	23.349			
7,100.00	7,079.36	7,097.70	7,073.73	15.91	7.99	-12.41	485.37	228.43	445.81	426.61	19.20	23.221			
7,200.00	7,179.36	7,205.14	7,180.63	15.97	8.11	-11.05	487.78	238.69	446.06	426.70	19.36	23.046			
7,220.99	7,200.35	7,225.00	7,200.35	15.98	8.13	-10.76	488.19	240.97	446.03	426.64	19.39	23.003			
7,300.00	7,279.36	7,298.84	7,273.82	16.03	8.21	-9.81	490.23	248.04	446.80	427.28	19.52	22.892			
7,400.00	7,379.36	7,409.25	7,383.67	16.08	8.33	-8.41	493.30	258.64	448.15	428.46	19.69	22.759			
7,500.00	7,479.36	7,511.01	7,484.62	16.14	8.46	-6.78	493.58	271.43	446.74	426.85	19.89	22.462			
7,600.00	7,579.36	7,624.97	7,597.78	16.20	8.59	-5.09	492.43	284.81	444.56	424.45	20.11	22.108			
7,700.00	7,679.36	7,722.81	7,695.03	16.26	8.71	-3.80	489.48	294.99	440.72	420.41	20.31	21.696			
7,800.00	7,779.36	7,821.21	7,793.06	16.31	8.83	-2.76	486.66	303.14	437.38	416.87	20.51	21.325			
7,900.00	7,879.36	7,920.88	7,892.44	16.37	8.95	-1.85	484.09	310.16	434.52	413.81	20.70	20.987			
8,000.00	7,979.36	8,018.67	7,989.86	16.43	9.06	-0.79	481.70	318.23	431.87	410.96	20.91	20.655			
8,100.00	8,079.36	8,118.18	8,088.71	16.49	9.19	0.69	479.40	329.34	429.54	408.39	21.15	20.314			
8,200.00	8,179.36	8,216.37	8,186.36	16.55	9.31	2.04	477.21	339.45	427.54	406.16	21.38	19.997			
8,253.00	8,232.36	8,262.61	8,232.35	16.58	9.36	2.67	476.57	344.12	427.04	405.54	21.50	19.861			
8,300.00	8,279.36	8,304.71	8,274.15	16.61	9.41	3.35	476.62	349.17	427.39	405.77	21.62	19.768			
8,400.00	8,379.36	8,402.57	8,371.29	16.67	9.53	4.92	477.35	361.01	429.00	407.12	21.89	19.602			
8,500.00	8,479.36	8,505.52	8,473.41	16.73	9.66	6.64	477.77	374.02	430.71	408.54	22.17	19.429			
8,600.00	8,579.36	8,607.88	8,575.05	16.78	9.79	8.22	477.79	386.01	432.26	409.81	22.45	19.257			
8,700.00	8,679.36	8,712.93	8,679.57	16.84	9.92	9.62	476.10	396.45	432.18	409.46	22.71	19.028			
8,706.30	8,685.66	8,719.06	8,685.66	16.85	9.93	9.70	475.99	397.04	432.18	409.45	22.73	19.014			
8,800.00	8,779.36	8,812.84	8,779.05	16.90	10.04	10.84	474.54	405.46	432.24	409.28	22.97	18.820			
8,900.00	8,879.36	8,922.20	8,887.49	16.96	10.18	12.69	470.48	418.90	431.09	407.80	23.30	18.505			
9,000.00	8,979.36	9,021.49	8,985.86	17.02	10.30	14.47	465.83	431.51	429.50	405.88	23.62	18.183			

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 701H - OWB - AWP														Offset Site Error: 0.00 usft
Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR														Offset Well Error: 3.00 usft
Reference: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR														
Semi Major Axis														
Offset														
Highside														
Toolface														
+N/-S														
+E/-W														
Between Centres														
Between Ellipses														
No-Go Distance														
Separation Factor														
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)	No-Go Distance (usft)	Separation Factor	Warning	
9,100.00	9,079.36	9,120.26	9,084.02	17.08	10.43	15.92	461.65	441.65	428.10	404.21	23.89	17.921		
9,200.00	9,179.36	9,221.56	9,184.96	17.14	10.45	17.06	458.10	449.43	426.92	402.85	24.06	17.741		
9,300.00	9,279.36	9,456.50	9,408.09	17.21	10.60	24.17	405.94	483.95	410.84	385.24	25.60	16.050		
9,400.00	9,379.36	9,575.96	9,503.38	17.27	10.75	33.93	345.94	523.31	377.63	350.97	26.66	14.163		
9,500.00	9,479.36	9,703.79	9,593.04	17.33	10.92	48.27	265.80	566.13	343.55	315.46	28.09	12.230		
9,600.00	9,579.36	9,781.93	9,640.15	17.39	11.05	59.26	208.70	591.01	316.34	287.84	28.49	11.102		
9,688.87	9,668.23	9,834.91	9,668.23	17.44	11.15	67.58	167.27	608.38	307.42	278.63	28.79	10.676	CC, ES	
9,700.00	9,679.36	9,840.46	9,670.98	17.45	11.16	68.47	162.82	610.21	307.57	278.72	28.85	10.661	SF	
9,800.00	9,779.36	9,887.23	9,693.18	17.51	11.26	76.08	124.75	625.87	322.52	292.81	29.71	10.856		
9,900.00	9,879.36	9,931.34	9,712.27	17.57	11.35	83.20	87.70	640.30	359.52	328.57	30.96	11.614		
10,000.00	9,979.36	9,967.61	9,726.29	17.63	11.44	88.92	56.18	651.47	413.75	381.48	32.27	12.822		
10,100.00	10,079.36	9,999.28	9,737.34	17.70	11.52	93.75	27.96	660.66	480.28	446.83	33.44	14.360		
10,200.00	10,179.36	10,026.75	9,746.28	17.76	11.59	97.76	3.12	668.27	555.10	520.66	34.45	16.115		
10,300.00	10,279.36	10,050.12	9,753.38	17.82	11.66	101.02	-18.24	674.51	635.63	600.32	35.31	18.001		
10,318.18	10,297.54	10,054.05	9,754.53	17.83	11.68	101.56	-21.86	675.54	650.73	615.28	35.45	18.355		
10,325.00	10,304.36	10,055.47	9,754.95	17.83	11.68	100.59	-23.17	675.91	656.44	620.82	35.63	18.426		
10,350.00	10,329.34	10,066.00	9,757.95	17.83	11.71	97.42	-32.89	678.64	677.61	641.84	35.77	18.946		
10,375.00	10,354.23	10,066.00	9,757.95	17.83	11.71	92.47	-32.89	678.64	699.01	663.04	35.97	19.432		
10,400.00	10,378.96	10,066.00	9,757.95	17.84	11.71	87.26	-32.89	678.64	720.67	684.51	36.16	19.929		
10,425.00	10,403.47	10,066.00	9,757.95	17.84	11.71	81.91	-32.89	678.64	742.51	706.17	36.33	20.436		
10,450.00	10,427.69	10,066.00	9,757.95	17.84	11.71	76.51	-32.89	678.64	764.45	727.96	36.49	20.949		
10,475.00	10,451.56	10,066.00	9,757.95	17.85	11.71	71.18	-32.89	678.64	786.44	749.81	36.63	21.468		
10,500.00	10,475.00	10,066.00	9,757.95	17.85	11.71	66.05	-32.89	678.64	808.41	771.65	36.76	21.991		
10,525.00	10,497.95	10,066.00	9,757.95	17.85	11.71	61.18	-32.89	678.64	830.29	793.42	36.87	22.517		
10,550.00	10,520.36	10,066.00	9,757.95	17.86	11.71	56.64	-32.89	678.64	852.06	815.08	36.97	23.045		
10,575.00	10,542.15	10,066.00	9,757.95	17.86	11.71	52.46	-32.89	678.64	873.64	836.58	37.06	23.574		
10,600.00	10,563.28	10,055.88	9,755.06	17.87	11.68	47.59	-23.54	676.01	894.91	857.72	37.19	24.061		
10,625.00	10,583.67	10,051.35	9,753.74	17.87	11.67	43.82	-19.38	674.83	915.92	878.63	37.28	24.568		
10,650.00	10,603.29	10,046.23	9,752.23	17.88	11.65	40.43	-14.67	673.48	936.56	899.20	37.36	25.070		
10,675.00	10,622.06	10,040.54	9,750.53	17.89	11.64	37.38	-9.46	671.97	956.81	919.38	37.43	25.565		
10,700.00	10,639.95	10,034.33	9,748.63	17.89	11.62	34.66	-3.78	670.31	976.60	939.11	37.49	26.052		
10,725.00	10,656.89	10,019.00	9,743.82	17.90	11.57	31.71	10.16	666.15	995.96	958.38	37.59	26.499		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP														Offset Site Error:	0.00 usft	
Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR										Rule Assigned:				Offset Well Error:		3.00 usft
Measured Reference	Vertical	Measured	Vertical	Reference	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning			
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor				
0.00	0.00	0.00	10.00	0.00	3.00	-33.45	562.60	-371.70	674.37							
100.00	100.00	91.32	101.32	0.77	3.00	-33.49	562.27	-372.03	674.21	669.41	4.80	140.498				
200.00	200.00	191.94	201.93	1.44	3.00	-33.59	561.45	-372.87	673.99	668.87	5.12	131.624				
300.00	300.00	293.49	303.47	1.88	3.02	-33.72	560.29	-373.90	673.61	668.18	5.43	124.134				
400.00	400.00	394.77	404.74	2.25	3.03	-33.83	558.94	-374.64	672.90	667.18	5.72	117.642				
500.00	500.00	494.53	504.49	2.56	3.05	-33.96	557.55	-375.46	672.20	666.19	6.00	111.987				
600.00	600.00	592.28	602.23	2.84	3.08	-34.08	556.26	-376.33	671.61	665.33	6.28	107.025				
647.80	647.80	637.87	647.80	2.97	3.09	-34.15	555.71	-376.96	671.50	665.10	6.40	104.936				
700.00	700.00	687.89	697.82	3.10	3.11	-34.24	555.22	-377.89	671.62	665.08	6.54	102.743				
800.00	800.00	786.28	796.18	3.34	3.14	-34.42	554.33	-379.90	672.03	665.24	6.79	98.950				
900.00	900.00	893.25	903.14	3.57	3.15	-34.42	554.50	-379.93	672.18	665.15	7.04	95.511				
1,000.00	1,000.00	991.45	1,001.31	3.79	3.14	-34.23	555.47	-377.88	671.82	664.54	7.28	92.270				
1,100.00	1,100.00	1,091.76	1,101.60	3.99	3.14	-34.07	556.32	-376.23	671.60	664.08	7.52	89.318				
1,200.00	1,200.00	1,191.17	1,201.01	4.19	3.14	-33.99	556.73	-375.45	671.50	663.75	7.75	86.620				
1,294.17	1,294.17	1,284.32	1,294.16	4.37	3.14	-33.95	556.83	-374.93	671.29	663.32	7.97	84.238				
1,300.00	1,300.00	1,289.76	1,299.60	4.38	3.14	-33.95	556.84	-374.92	671.29	663.31	7.98	84.098				
1,400.00	1,400.00	1,384.65	1,394.49	4.56	3.16	-33.97	557.13	-375.40	671.83	663.62	8.20	81.907				
1,500.00	1,500.00	1,485.18	1,495.01	4.74	3.19	-34.08	557.13	-376.85	672.63	664.21	8.42	79.865				
1,600.00	1,600.00	1,584.48	1,594.29	4.91	3.21	-34.00	558.26	-376.51	673.39	664.75	8.64	77.943				
1,700.00	1,700.00	1,683.05	1,692.83	5.08	3.22	-33.82	560.24	-375.28	674.35	665.50	8.85	76.162				
1,800.00	1,800.00	1,782.94	1,792.71	5.24	3.24	-33.72	561.73	-374.90	675.38	666.32	9.07	74.483				
1,900.00	1,900.00	1,878.76	1,888.52	5.40	3.27	-33.70	562.95	-375.38	676.72	667.44	9.28	72.927				
2,000.00	2,000.00	1,977.55	1,987.29	5.56	3.31	-33.70	564.39	-376.43	678.53	669.03	9.49	71.481				
2,100.00	2,099.99	2,106.01	2,115.59	5.70	3.34	-88.36	567.11	-372.06	678.42	668.73	9.69	70.010				
2,200.00	2,199.96	2,205.24	2,214.45	5.84	3.37	-87.91	569.85	-364.02	676.21	666.35	9.86	68.553				
2,300.00	2,299.86	2,327.33	2,335.90	6.00	3.41	-87.41	572.57	-351.87	672.59	662.56	10.03	67.025				
2,400.00	2,399.68	2,438.42	2,445.90	6.17	3.45	-86.87	573.76	-336.40	665.74	655.54	10.21	65.233				
2,500.00	2,499.37	2,525.00	2,531.81	6.36	3.48	-86.72	574.03	-325.77	659.13	648.74	10.38	63.480				
2,600.00	2,598.89	2,614.69	2,621.16	6.59	3.52	-103.52	574.45	-318.06	656.00	645.38	10.63	61.738				
2,622.14	2,620.90	2,635.43	2,641.84	6.65	3.53	-106.38	574.63	-316.48	655.90	645.23	10.67	61.458				
2,700.00	2,698.16	2,709.11	2,715.33	6.85	3.56	-114.56	575.50	-311.24	657.17	646.33	10.84	60.650				
2,717.41	2,715.41	2,725.76	2,731.94	6.88	3.57	-116.07	575.71	-310.11	657.74	646.89	10.85	60.634				
2,800.00	2,797.19	2,805.89	2,811.88	7.08	3.61	-116.49	576.85	-304.69	660.85	649.85	11.00	60.094				
2,900.00	2,896.22	2,901.72	2,907.50	7.34	3.66	-117.00	578.53	-298.55	665.14	653.95	11.19	59.436				
3,000.00	2,995.25	3,001.67	3,007.26	7.62	3.72	-117.56	580.32	-292.63	669.77	658.38	11.40	58.776				
3,100.00	3,094.27	3,100.00	3,105.43	7.91	3.78	-118.14	581.80	-287.21	674.47	662.86	11.61	58.092				
3,200.00	3,193.30	3,198.59	3,203.89	8.21	3.85	-118.77	583.20	-282.51	679.59	667.76	11.84	57.417				
3,300.00	3,292.33	3,297.58	3,302.79	8.53	3.92	-119.44	584.28	-278.29	684.82	672.75	12.07	56.718				
3,400.00	3,391.35	3,396.08	3,401.20	8.85	3.99	-120.10	585.50	-274.21	690.34	678.02	12.32	56.016				
3,500.00	3,490.38	3,495.45	3,500.49	9.19	4.06	-120.80	586.41	-270.51	695.95	683.36	12.59	55.288				
3,600.00	3,589.41	3,591.92	3,596.91	9.53	4.13	-121.51	587.19	-267.62	702.01	689.14	12.86	54.572				
3,700.00	3,688.43	3,690.35	3,695.31	9.88	4.21	-122.27	587.86	-265.10	708.36	695.20	13.16	53.846				
3,800.00	3,787.46	3,788.93	3,793.86	10.24	4.29	-123.01	588.70	-262.75	715.07	701.61	13.46	53.126				
3,900.00	3,886.49	3,886.47	3,891.37	10.60	4.38	-123.72	589.60	-260.35	721.92	708.14	13.78	52.402				
4,000.00	3,985.52	3,984.41	3,989.27	10.97	4.46	-124.43	590.69	-258.18	729.18	715.08	14.11	51.694				
4,100.00	4,084.54	4,082.44	4,087.28	11.34	4.55	-125.15	591.72	-256.28	736.68	722.23	14.45	50.987				
4,200.00	4,183.57	4,179.82	4,184.64	11.71	4.64	-125.87	592.61	-254.84	744.52	729.71	14.80	50.290				
4,300.00	4,282.60	4,278.17	4,282.99	12.09	4.73	-126.65	593.22	-254.06	752.72	737.54	15.18	49.596				
4,365.62	4,347.58	4,341.38	4,346.20	12.33	4.78	-127.16	593.42	-253.80	758.21	742.81	15.40	49.228				
4,400.00	4,381.64	4,378.06	4,382.88	12.45	4.81	-127.47	593.49	-253.76	761.08	745.57	15.52	49.047				
4,500.00	4,480.86	4,476.34	4,481.16	12.82	4.89	-128.25	593.53	-253.60	768.69	752.78	15.91	48.313				

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP														Offset Site Error:	0.00 usft	
Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR										Rule Assigned:				Offset Well Error:		3.00 usft
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning			
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)				Between Ellipses (usft)	Distance (usft)	Factor
4,600.00	4,580.28	4,570.81	4,575.63	13.19	4.96	-128.88	593.82	-253.54	775.57	759.29	16.28	47.645				
4,700.00	4,679.87	4,673.16	4,677.98	13.55	4.97	-129.47	593.98	-254.04	781.73	765.08	16.65	46.958				
4,800.00	4,779.61	4,771.31	4,776.12	13.90	4.97	-129.93	593.95	-254.57	786.72	769.73	17.00	46.286				
4,900.00	4,879.45	4,871.16	4,875.97	14.23	4.98	-130.31	593.91	-255.32	790.79	773.46	17.33	45.628				
5,000.00	4,979.38	4,971.48	4,976.29	14.53	4.98	-130.59	593.71	-256.07	793.64	776.00	17.64	44.982				
5,100.00	5,079.36	5,072.47	5,077.27	14.80	4.99	-130.79	593.24	-257.17	795.44	777.51	17.93	44.373				
5,165.64	5,145.00	5,136.20	5,140.99	14.88	4.99	-47.00	592.81	-257.87	795.90	777.87	18.03	44.152				
5,200.00	5,179.36	5,171.27	5,176.06	14.88	5.00	-47.03	592.59	-258.31	796.07	778.02	18.05	44.105				
5,300.00	5,279.36	5,282.99	5,287.77	14.94	5.02	-47.07	592.16	-258.61	796.04	777.85	18.19	43.767				
5,400.00	5,379.36	5,384.05	5,388.79	14.99	5.11	-46.87	593.41	-255.82	794.86	776.58	18.28	43.475				
5,500.00	5,479.36	5,484.32	5,489.00	15.04	5.20	-46.64	594.89	-252.88	793.74	775.36	18.38	43.195				
5,600.00	5,579.36	5,586.24	5,590.81	15.09	5.30	-46.32	597.15	-248.70	792.28	773.83	18.46	42.921				
5,700.00	5,679.36	5,685.80	5,690.24	15.15	5.39	-45.97	599.66	-244.35	790.88	772.34	18.54	42.665				
5,800.00	5,779.36	5,788.43	5,792.76	15.20	5.49	-45.64	601.78	-240.13	789.38	770.75	18.62	42.384				
5,900.00	5,879.36	5,887.13	5,891.37	15.25	5.58	-45.35	603.52	-236.21	787.78	769.07	18.71	42.103				
6,000.00	5,979.36	5,988.57	5,992.75	15.31	5.68	-45.12	604.58	-232.77	786.10	767.29	18.81	41.792				
6,100.00	6,079.36	6,087.15	6,091.28	15.36	5.78	-44.94	605.32	-229.95	784.60	765.69	18.91	41.489				
6,200.00	6,179.36	6,186.64	6,190.74	15.42	5.88	-44.79	605.65	-227.36	783.01	763.99	19.02	41.169				
6,300.00	6,279.36	6,282.20	6,286.28	15.47	5.97	-44.66	606.24	-225.39	781.98	762.86	19.12	40.892				
6,400.00	6,379.36	6,379.88	6,383.94	15.52	6.07	-44.52	606.99	-223.48	781.16	761.93	19.23	40.622				
6,447.70	6,427.06	6,423.09	6,427.14	15.55	6.12	-44.46	607.42	-222.79	780.97	761.69	19.28	40.515				
6,500.00	6,479.36	6,472.06	6,476.10	15.58	6.16	-44.40	608.13	-222.27	781.12	761.80	19.33	40.415				
6,600.00	6,579.36	6,575.62	6,579.62	15.63	6.27	-44.20	610.19	-220.61	781.42	761.99	19.43	40.212				
6,605.80	6,585.16	6,581.16	6,585.16	15.64	6.27	-44.19	610.33	-220.46	781.42	761.99	19.44	40.201				
6,700.00	6,679.36	6,673.79	6,677.72	15.69	6.37	-43.93	612.88	-218.02	781.56	762.04	19.52	40.032				
6,800.00	6,779.36	6,771.11	6,774.98	15.75	6.47	-43.68	615.57	-215.81	781.99	762.37	19.62	39.865				
6,900.00	6,879.36	6,872.64	6,876.46	15.80	6.57	-43.44	618.14	-213.80	782.45	762.73	19.72	39.686				
7,000.00	6,979.36	6,975.75	6,979.48	15.86	6.68	-43.13	621.27	-210.90	782.75	762.93	19.81	39.509				
7,004.45	6,983.81	6,979.98	6,983.70	15.86	6.69	-43.11	621.42	-210.74	782.75	762.93	19.82	39.502				
7,100.00	7,079.36	7,068.77	7,072.37	15.91	6.78	-42.78	624.72	-207.67	783.09	763.20	19.89	39.366				
7,200.00	7,179.36	7,166.71	7,170.21	15.97	6.88	-42.47	628.45	-205.37	784.30	764.32	19.98	39.248				
7,300.00	7,279.36	7,260.26	7,263.68	16.03	6.98	-42.20	631.94	-203.41	785.67	765.59	20.07	39.140				
7,400.00	7,379.36	7,363.17	7,366.48	16.08	7.08	-41.88	636.36	-201.48	787.61	767.44	20.17	39.050				
7,500.00	7,479.36	7,471.78	7,474.97	16.14	7.20	-41.51	640.08	-198.03	788.00	767.73	20.27	38.875				
7,600.00	7,579.36	7,570.61	7,573.70	16.20	7.31	-41.20	643.34	-195.29	788.64	768.27	20.37	38.721				
7,700.00	7,679.36	7,693.44	7,696.46	16.26	7.44	-40.89	646.02	-191.97	788.65	768.15	20.50	38.479				
7,800.00	7,779.36	7,809.61	7,812.42	16.31	7.56	-40.52	645.88	-185.11	784.57	763.95	20.62	38.050				
7,900.00	7,879.36	7,914.48	7,917.14	16.37	7.65	-40.31	644.14	-179.83	780.05	759.31	20.74	37.604				
8,000.00	7,979.36	8,020.55	8,023.05	16.43	7.74	-40.17	641.20	-174.90	774.94	754.06	20.88	37.114				
8,100.00	8,079.36	8,124.50	8,126.82	16.49	7.81	-40.13	636.80	-170.46	768.94	747.92	21.02	36.576				
8,200.00	8,179.36	8,220.04	8,222.19	16.55	7.86	-40.14	632.40	-166.99	763.08	741.93	21.15	36.073				
8,300.00	8,279.36	8,303.80	8,305.84	16.61	7.93	-40.04	630.31	-163.44	758.46	737.20	21.25	35.691				
8,400.00	8,379.36	8,400.00	8,401.96	16.67	8.03	-39.86	629.48	-159.64	755.25	733.89	21.37	35.348				
8,500.00	8,479.36	8,492.61	8,494.51	16.73	8.13	-39.66	629.43	-156.15	752.80	731.33	21.47	35.056				
8,600.00	8,579.36	8,603.80	8,605.57	16.78	8.25	-39.32	630.20	-151.07	750.47	728.87	21.60	34.744				
8,700.00	8,679.36	8,707.90	8,709.55	16.84	8.35	-39.06	629.35	-146.02	746.77	725.05	21.72	34.379				
8,800.00	8,779.36	8,796.69	8,798.22	16.90	8.41	-38.81	629.19	-141.58	743.48	721.68	21.80	34.099				
8,900.00	8,879.36	8,892.96	8,894.40	16.96	8.44	-38.51	629.92	-137.27	741.27	719.39	21.88	33.876				
9,000.00	8,979.36	8,991.07	8,992.46	17.02	8.47	-38.35	629.82	-134.60	739.50	717.52	21.98	33.640				
9,100.00	9,079.36	9,529.94	9,472.20	17.08	9.00	-46.95	435.29	-88.20	687.64	660.77	26.87	25.593				
9,200.00	9,179.36	9,880.28	9,655.73	17.14	10.03	-76.35	143.55	-61.08	619.78	588.14	31.64	19.588				

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP													Offset Site Error:	0.00 usft
Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR											Rule Assigned:		Offset Well Error:	3.00 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
9,300.00	9,279.36	9,913.88	9,663.82	17.21	10.17	-80.94	111.04	-58.44	545.85	514.47	31.38	17.395		
9,400.00	9,379.36	9,944.70	9,670.41	17.27	10.30	-85.34	81.02	-56.27	480.03	449.18	30.85	15.559		
9,500.00	9,479.36	9,972.42	9,675.18	17.33	10.42	-89.43	53.78	-54.38	426.25	396.19	30.05	14.183		
9,600.00	9,579.36	9,988.48	9,677.39	17.39	10.49	-91.83	37.91	-53.31	390.22	361.09	29.13	13.397		
9,699.44	9,678.80	10,000.10	9,678.81	17.45	10.54	-93.58	26.40	-52.58	377.51	348.74	28.78	13.119 CC		
9,700.00	9,679.36	10,000.16	9,678.81	17.45	10.54	-93.59	26.34	-52.57	377.51	348.74	28.78	13.119 ES, SF		
9,800.00	9,779.36	10,009.62	9,679.85	17.51	10.59	-95.02	16.96	-52.00	390.54	361.07	29.47	13.253		
9,900.00	9,879.36	10,017.43	9,680.62	17.57	10.62	-96.20	9.20	-51.54	427.01	396.11	30.90	13.820		
10,000.00	9,979.36	10,026.00	9,681.39	17.63	10.66	-97.49	0.67	-51.05	481.70	449.23	32.46	14.839		
10,100.00	10,079.36	10,026.00	9,681.39	17.70	10.66	-97.49	0.67	-51.05	549.20	515.37	33.83	16.232		
10,200.00	10,179.36	10,026.00	9,681.39	17.76	10.66	-97.49	0.67	-51.05	625.47	590.51	34.96	17.890		
10,300.00	10,279.36	10,026.00	9,681.39	17.82	10.66	-97.49	0.67	-51.05	707.68	671.79	35.89	19.721		
10,318.18	10,297.54	10,026.00	9,681.39	17.83	10.66	-97.49	0.67	-51.05	723.10	687.07	36.03	20.067		
10,325.00	10,304.36	10,026.00	9,681.39	17.83	10.66	-96.09	0.67	-51.05	728.93	692.94	35.99	20.252		
10,350.00	10,329.34	10,026.00	9,681.39	17.83	10.66	-91.02	0.67	-51.05	750.45	714.27	36.19	20.737		
10,375.00	10,354.23	10,026.00	9,681.39	17.83	10.66	-85.74	0.67	-51.05	772.20	735.83	36.37	21.230		
10,400.00	10,378.96	10,026.00	9,681.39	17.84	10.66	-80.34	0.67	-51.05	794.09	757.54	36.55	21.729		
10,425.00	10,403.47	10,026.00	9,681.39	17.84	10.66	-74.95	0.67	-51.05	816.06	779.35	36.71	22.231		
10,450.00	10,427.69	10,026.00	9,681.39	17.84	10.66	-69.68	0.67	-51.05	838.03	801.18	36.86	22.736		
10,475.00	10,451.56	10,026.00	9,681.39	17.85	10.66	-64.63	0.67	-51.05	859.97	822.97	37.00	23.242		
10,500.00	10,475.00	10,026.00	9,681.39	17.85	10.66	-59.87	0.67	-51.05	881.80	844.67	37.13	23.749		
10,525.00	10,497.95	10,026.00	9,681.39	17.85	10.66	-55.46	0.67	-51.05	903.48	866.23	37.25	24.255		
10,550.00	10,520.36	10,026.00	9,681.39	17.86	10.66	-51.41	0.67	-51.05	924.96	887.60	37.36	24.760		
10,575.00	10,542.15	10,026.00	9,681.39	17.86	10.66	-47.73	0.67	-51.05	946.20	908.75	37.45	25.263		
10,600.00	10,563.28	10,010.18	9,679.91	17.87	10.59	-43.46	16.40	-51.96	966.88	929.33	37.55	25.746		
10,625.00	10,583.67	10,004.50	9,679.30	17.87	10.56	-40.32	22.03	-52.30	987.29	949.65	37.64	26.232		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 703H - OWB - AWP														Offset Site Error:	0.00 usft		
Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR														Rule Assigned:		Offset Well Error:	3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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	0.00	11.00	0.00	3.00	-35.54	562.40	-401.70	691.21								
100.00	100.00	93.50	104.50	0.77	3.00	-35.58	561.86	-401.93	690.84	686.04	4.80	143.961					
200.00	200.00	194.36	205.35	1.44	3.00	-35.69	560.32	-402.50	689.93	684.80	5.12	134.705					
300.00	300.00	293.78	304.75	1.88	3.02	-35.79	559.00	-403.08	689.19	683.76	5.43	126.935					
400.00	400.00	395.01	405.98	2.25	3.03	-35.91	557.60	-403.76	688.46	682.74	5.72	120.269					
500.00	500.00	498.49	509.43	2.56	3.05	-36.03	555.73	-404.14	687.20	681.19	6.01	114.329					
600.00	600.00	598.29	609.22	2.84	3.08	-36.14	553.83	-404.40	685.82	679.53	6.29	109.051					
700.00	700.00	690.56	701.47	3.10	3.11	-36.26	552.33	-405.08	684.95	678.40	6.56	104.481					
708.50	708.50	697.66	708.57	3.12	3.11	-36.27	552.24	-405.18	684.94	678.37	6.58	104.142 CC, ES					
800.00	800.00	781.97	792.86	3.34	3.14	-36.42	551.45	-406.87	685.35	678.54	6.81	100.689					
900.00	900.00	876.06	886.90	3.57	3.16	-36.63	551.32	-409.84	687.09	680.05	7.05	97.502					
1,000.00	1,000.00	977.67	988.44	3.79	3.19	-36.89	550.83	-413.43	688.81	681.53	7.28	94.555					
1,100.00	1,100.00	1,077.71	1,088.41	3.99	3.23	-37.20	549.97	-417.45	690.55	683.03	7.52	91.843					
1,200.00	1,200.00	1,176.45	1,187.03	4.19	3.28	-37.54	548.82	-421.79	692.30	684.55	7.75	89.341					
1,300.00	1,300.00	1,275.99	1,286.46	4.38	3.32	-37.91	547.60	-426.48	694.21	686.24	7.98	87.040					
1,400.00	1,400.00	1,383.85	1,394.22	4.56	3.38	-38.27	546.29	-430.95	695.83	687.63	8.20	84.840					
1,500.00	1,500.00	1,480.95	1,491.27	4.74	3.44	-38.49	545.31	-433.60	696.74	688.32	8.42	82.729					
1,600.00	1,600.00	1,578.80	1,589.08	4.91	3.50	-38.71	544.77	-436.61	698.23	689.59	8.64	80.818					
1,700.00	1,700.00	1,682.41	1,692.67	5.08	3.54	-38.81	545.10	-438.49	699.61	690.75	8.86	78.987					
1,800.00	1,800.00	1,780.88	1,791.13	5.24	3.56	-38.79	546.12	-439.00	700.74	691.67	9.07	77.233					
1,900.00	1,900.00	1,875.00	1,885.23	5.40	3.60	-38.83	547.04	-440.33	702.40	693.11	9.29	75.633					
2,000.00	2,000.00	1,975.96	1,986.16	5.56	3.66	-38.93	547.95	-442.59	704.51	695.00	9.50	74.140					
2,100.00	2,099.99	2,090.11	2,100.30	5.70	3.70	-94.03	548.58	-443.53	705.51	695.81	9.71	72.690					
2,200.00	2,199.96	2,193.10	2,203.28	5.84	3.68	-94.14	549.23	-442.34	705.46	695.58	9.88	71.407					
2,300.00	2,299.86	2,310.58	2,320.70	6.00	3.66	-94.33	549.62	-438.89	704.20	694.15	10.05	70.076					
2,400.00	2,399.68	2,427.88	2,437.78	6.17	3.66	-94.53	548.87	-431.64	700.22	690.00	10.21	68.552					
2,500.00	2,499.37	2,511.43	2,521.12	6.36	3.66	-94.78	548.19	-425.91	695.96	685.57	10.39	67.004					
2,529.20	2,528.45	2,530.44	2,540.12	6.43	3.66	-100.47	548.17	-425.24	695.62	685.17	10.46	66.527					
2,600.00	2,598.89	2,591.08	2,600.75	6.59	3.66	-111.89	548.36	-424.39	697.15	686.52	10.62	65.622					
2,700.00	2,698.16	2,690.39	2,700.06	6.85	3.66	-123.29	548.88	-423.43	702.63	691.79	10.85	64.787					
2,717.41	2,715.41	2,707.56	2,717.23	6.88	3.66	-124.85	548.96	-423.27	703.93	693.07	10.86	64.811					
2,800.00	2,797.19	2,789.71	2,799.37	7.08	3.67	-125.55	549.34	-422.55	710.40	699.37	11.03	64.435					
2,900.00	2,896.22	2,886.65	2,896.30	7.34	3.68	-126.37	549.67	-421.84	718.39	707.15	11.24	63.907					
3,000.00	2,995.25	2,985.96	2,995.61	7.62	3.69	-127.19	550.18	-421.19	726.70	715.22	11.47	63.332					
3,100.00	3,094.27	3,084.93	3,094.59	7.91	3.71	-127.98	550.70	-420.56	735.17	723.45	11.72	62.709					
3,200.00	3,193.30	3,183.70	3,193.35	8.21	3.74	-128.76	551.25	-420.05	743.90	731.91	11.99	62.047					
3,300.00	3,292.33	3,282.22	3,291.87	8.53	3.77	-129.53	551.75	-419.60	752.77	740.50	12.27	61.348					
3,400.00	3,391.35	3,380.74	3,390.39	8.85	3.80	-130.28	552.21	-419.24	761.81	749.24	12.57	60.615					
3,500.00	3,490.38	3,480.69	3,490.33	9.19	3.84	-131.02	552.71	-418.77	770.92	758.04	12.88	59.850					
3,600.00	3,589.41	3,578.76	3,588.40	9.53	3.89	-131.75	553.03	-418.51	780.20	766.99	13.21	59.067					
3,700.00	3,688.43	3,677.41	3,687.05	9.88	3.94	-132.48	553.33	-418.46	789.74	776.19	13.55	58.266					
3,800.00	3,787.46	3,774.19	3,783.83	10.24	3.99	-133.18	553.68	-418.60	799.60	785.68	13.91	57.463					
3,900.00	3,886.49	3,870.05	3,879.68	10.60	4.05	-133.87	554.17	-419.01	809.89	795.60	14.29	56.674					
4,000.00	3,985.52	3,967.04	3,976.68	10.97	4.11	-134.54	554.90	-419.65	820.63	805.95	14.68	55.899					
4,100.00	4,084.54	4,066.19	4,075.81	11.34	4.17	-135.21	555.76	-420.42	831.65	816.56	15.09	55.123					
4,200.00	4,183.57	4,162.47	4,172.09	11.71	4.24	-135.87	556.34	-421.44	842.83	827.32	15.50	54.360					
4,300.00	4,282.60	4,261.14	4,270.75	12.09	4.30	-136.54	556.89	-422.76	854.32	838.38	15.94	53.601					
4,365.62	4,347.58	4,328.09	4,337.69	12.33	4.35	-136.99	557.10	-423.67	861.84	845.63	16.21	53.172					
4,400.00	4,381.64	4,361.89	4,371.49	12.45	4.37	-137.24	557.19	-424.08	865.68	849.34	16.34	52.979					
4,500.00	4,480.86	4,464.14	4,473.73	12.82	4.45	-137.90	557.45	-425.10	875.87	859.08	16.79	52.166					
4,600.00	4,580.28	4,560.73	4,570.32	13.19	4.51	-138.47	557.33	-426.32	884.84	867.62	17.22	51.380					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 703H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR										Rule Assigned:		Offset Well Error: 3.00 usft	
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,700.00	4,679.87	4,650.00	4,659.57	13.55	4.58	-138.93	557.24	-427.96	893.06	875.43	17.63	50.660	
4,800.00	4,779.61	4,726.79	4,736.28	13.90	4.64	-139.28	558.45	-431.26	902.77	884.78	17.99	50.173	
4,900.00	4,879.45	4,828.70	4,838.07	14.23	4.72	-139.65	560.15	-435.88	911.64	893.25	18.39	49.567	
5,000.00	4,979.38	4,929.22	4,938.48	14.53	4.80	-139.92	561.69	-440.30	919.01	900.25	18.76	48.983	
5,100.00	5,079.36	5,030.99	5,040.14	14.80	4.89	-140.15	562.80	-444.96	924.97	905.87	19.10	48.432	
5,165.64	5,145.00	5,097.35	5,106.42	14.88	4.94	-56.40	563.17	-448.07	928.02	908.80	19.23	48.268	
5,200.00	5,179.36	5,131.16	5,140.20	14.88	4.97	-56.44	563.35	-449.65	929.47	910.21	19.25	48.273	
5,300.00	5,279.36	5,236.49	5,245.42	14.94	5.06	-56.59	563.61	-454.43	933.39	913.98	19.41	48.092	
5,400.00	5,379.36	5,341.05	5,349.88	14.99	5.15	-56.75	563.36	-458.82	936.76	917.20	19.56	47.888	
5,500.00	5,479.36	5,443.20	5,451.95	15.04	5.24	-56.90	562.92	-462.76	939.75	920.04	19.71	47.682	
5,600.00	5,579.36	5,543.44	5,552.13	15.09	5.33	-57.06	562.45	-466.59	942.71	922.85	19.85	47.486	
5,700.00	5,679.36	5,648.79	5,657.40	15.15	5.42	-57.22	561.66	-470.35	945.30	925.29	20.01	47.248	
5,800.00	5,779.36	5,747.24	5,755.79	15.20	5.51	-57.38	560.65	-473.78	947.67	927.52	20.15	47.037	
5,900.00	5,879.36	5,853.42	5,861.90	15.25	5.60	-57.57	559.26	-477.37	949.82	929.52	20.30	46.780	
6,000.00	5,979.36	5,953.85	5,962.26	15.31	5.68	-57.75	557.71	-480.56	951.68	931.23	20.45	46.542	
6,100.00	6,079.36	6,054.18	6,062.53	15.36	5.77	-57.94	556.04	-483.64	953.40	932.81	20.59	46.300	
6,200.00	6,179.36	6,155.29	6,163.58	15.42	5.85	-58.13	554.21	-486.72	955.02	934.28	20.74	46.054	
6,300.00	6,279.36	6,258.93	6,267.16	15.47	5.94	-58.32	552.30	-489.67	956.47	935.58	20.89	45.795	
6,400.00	6,379.36	6,350.00	6,358.18	15.52	6.02	-58.48	550.59	-492.20	957.89	936.88	21.01	45.590	
6,500.00	6,479.36	6,435.10	6,443.20	15.58	6.11	-58.61	550.29	-495.78	961.23	940.10	21.13	45.490	
6,600.00	6,579.36	6,536.75	6,544.76	15.63	6.21	-58.75	550.30	-500.11	964.87	943.58	21.28	45.332	
6,700.00	6,679.36	6,639.49	6,647.40	15.69	6.32	-58.89	550.04	-504.44	968.35	946.91	21.44	45.164	
6,800.00	6,779.36	6,725.00	6,732.84	15.75	6.41	-59.02	549.57	-508.00	971.75	950.18	21.57	45.061	
6,900.00	6,879.36	6,803.85	6,811.53	15.80	6.49	-59.01	552.38	-512.10	977.95	956.28	21.67	45.134	
7,000.00	6,979.36	6,911.15	6,918.59	15.86	6.59	-58.98	556.46	-517.91	984.56	962.73	21.82	45.118	
7,100.00	7,079.36	7,016.39	7,023.65	15.91	6.70	-59.02	559.05	-523.54	990.41	968.43	21.98	45.058	
7,200.00	7,179.36	7,111.30	7,118.39	15.97	6.81	-59.12	560.37	-529.12	996.17	974.04	22.13	45.019 SF	

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 901H - OWB - PWP1														Offset Site Error:	0.00 usft	
Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR										Rule Assigned:				Offset Well Error:		3.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning			
0.00	0.00	0.00	13.50	0.00	3.00	-24.12	762.80	-341.50	835.86	835.86						
100.00	100.00	86.50	100.00	0.77	3.00	-24.12	762.80	-341.50	835.75	830.96	4.80	174.154				
200.00	200.00	186.50	200.00	1.44	3.00	-24.12	762.80	-341.50	835.75	830.63	5.12	163.119				
300.00	300.00	286.50	300.00	1.88	3.01	-24.12	762.80	-341.50	835.75	830.32	5.44	153.751				
400.00	400.00	386.50	400.00	2.25	3.03	-24.12	762.80	-341.50	835.75	830.02	5.74	145.664				
500.00	500.00	486.50	500.00	2.56	3.05	-24.12	762.80	-341.50	835.75	829.72	6.03	138.585				
600.00	600.00	586.50	600.00	2.84	3.08	-24.12	762.80	-341.50	835.75	829.44	6.32	132.317				
700.00	700.00	686.50	700.00	3.10	3.11	-24.12	762.80	-341.50	835.75	829.16	6.60	126.714				
800.00	800.00	786.50	800.00	3.34	3.15	-24.12	762.80	-341.50	835.75	828.89	6.87	121.663				
900.00	900.00	886.50	900.00	3.57	3.19	-24.12	762.80	-341.50	835.75	828.62	7.14	117.079				
1,000.00	1,000.00	986.50	1,000.00	3.79	3.24	-24.12	762.80	-341.50	835.75	828.35	7.40	112.893				
1,100.00	1,100.00	1,086.50	1,100.00	3.99	3.29	-24.12	762.80	-341.50	835.75	828.09	7.66	109.051				
1,200.00	1,200.00	1,186.50	1,200.00	4.19	3.35	-24.12	762.80	-341.50	835.75	827.83	7.92	105.506				
1,300.00	1,300.00	1,286.50	1,300.00	4.38	3.41	-24.12	762.80	-341.50	835.75	827.58	8.18	102.223				
1,400.00	1,400.00	1,386.50	1,400.00	4.56	3.47	-24.12	762.80	-341.50	835.75	827.33	8.43	99.171				
1,500.00	1,500.00	1,486.50	1,500.00	4.74	3.54	-24.12	762.80	-341.50	835.75	827.08	8.68	96.323				
1,600.00	1,600.00	1,586.50	1,600.00	4.91	3.61	-24.12	762.80	-341.50	835.75	826.83	8.92	93.659				
1,700.00	1,700.00	1,686.50	1,700.00	5.08	3.69	-24.12	762.80	-341.50	835.75	826.59	9.17	91.159				
1,800.00	1,800.00	1,786.50	1,800.00	5.24	3.76	-24.12	762.80	-341.50	835.75	826.34	9.41	88.807				
1,900.00	1,900.00	1,886.50	1,900.00	5.40	3.84	-24.12	762.80	-341.50	835.75	826.10	9.65	86.589				
2,000.00	2,000.00	1,986.50	2,000.00	5.56	3.93	-24.12	762.80	-341.50	835.75	825.86	9.89	84.493				
2,100.00	2,099.99	2,086.49	2,099.99	5.70	4.01	-79.18	762.80	-341.50	835.59	825.48	10.12	82.606				
2,200.00	2,199.96	2,186.46	2,199.96	5.84	4.10	-79.36	762.80	-341.50	835.10	824.78	10.32	80.883				
2,300.00	2,299.86	2,286.36	2,299.86	6.00	4.19	-79.66	762.80	-341.50	834.31	823.77	10.53	79.204				
2,400.00	2,399.68	2,386.18	2,399.68	6.17	4.29	-80.08	762.80	-341.50	833.23	822.49	10.74	77.570				
2,500.00	2,499.37	2,485.87	2,499.37	6.36	4.38	-80.63	762.80	-341.50	831.91	820.97	10.95	75.981				
2,600.00	2,598.89	2,597.94	2,611.43	6.59	4.46	-97.89	762.80	-339.83	831.30	820.10	11.19	74.260				
2,604.45	2,603.32	2,603.03	2,616.51	6.60	4.46	-98.50	762.80	-339.65	831.30	820.09	11.20	74.203				
2,700.00	2,698.16	2,712.49	2,725.80	6.85	4.49	-109.09	762.80	-333.62	831.82	820.46	11.36	73.220				
2,717.41	2,715.41	2,732.48	2,745.73	6.88	4.50	-110.60	762.80	-332.07	832.03	820.66	11.37	73.204				
2,800.00	2,797.19	2,817.24	2,830.16	7.08	4.53	-110.91	762.80	-324.74	832.88	821.40	11.48	72.547				
2,900.00	2,896.22	2,917.09	2,929.64	7.34	4.57	-111.27	762.80	-316.04	833.91	822.28	11.63	71.697				
3,000.00	2,995.25	3,016.95	3,029.12	7.62	4.61	-111.63	762.80	-307.33	834.98	823.19	11.79	70.823				
3,100.00	3,094.27	3,116.80	3,128.59	7.91	4.66	-111.99	762.80	-298.63	836.08	824.12	11.96	69.928				
3,200.00	3,193.30	3,216.66	3,228.07	8.21	4.70	-112.35	762.80	-289.93	837.21	825.08	12.13	69.014				
3,300.00	3,292.33	3,316.52	3,327.54	8.53	4.76	-112.70	762.80	-281.22	838.38	826.06	12.31	68.082				
3,400.00	3,391.35	3,416.37	3,427.02	8.85	4.81	-113.06	762.80	-272.52	839.58	827.07	12.51	67.135				
3,500.00	3,490.38	3,516.23	3,526.50	9.19	4.87	-113.42	762.80	-263.82	840.81	828.10	12.71	66.176				
3,600.00	3,589.41	3,616.08	3,625.97	9.53	4.93	-113.77	762.80	-255.11	842.07	829.16	12.91	65.206				
3,700.00	3,688.43	3,715.94	3,725.45	9.88	4.99	-114.12	762.80	-246.41	843.37	830.24	13.13	64.228				
3,800.00	3,787.46	3,815.80	3,824.92	10.24	5.06	-114.48	762.80	-237.71	844.69	831.34	13.36	63.243				
3,900.00	3,886.49	3,915.65	3,924.40	10.60	5.13	-114.83	762.80	-229.01	846.05	832.46	13.59	62.254				
4,000.00	3,985.52	4,015.51	4,023.88	10.97	5.20	-115.18	762.80	-220.30	847.45	833.61	13.83	61.264				
4,100.00	4,084.54	4,115.36	4,123.35	11.34	5.28	-115.53	762.80	-211.60	848.87	834.79	14.08	60.274				
4,200.00	4,183.57	4,215.22	4,222.83	11.71	5.35	-115.87	762.80	-202.90	850.32	835.98	14.34	59.285				
4,300.00	4,282.60	4,315.08	4,322.30	12.09	5.43	-116.22	762.80	-194.19	851.81	837.20	14.61	58.301				
4,365.62	4,347.58	4,380.60	4,387.58	12.33	5.48	-116.45	762.80	-188.48	852.80	838.04	14.76	57.767				
4,400.00	4,381.64	4,414.94	4,421.78	12.45	5.51	-116.56	762.80	-185.49	853.28	838.45	14.83	57.524				
4,500.00	4,480.86	4,514.86	4,521.33	12.82	5.59	-116.83	762.80	-176.78	854.16	839.06	15.11	56.541				
4,600.00	4,580.28	4,614.83	4,620.92	13.19	5.68	-116.98	762.80	-168.07	854.27	838.90	15.37	55.572				
4,700.00	4,679.87	4,714.83	4,720.53	13.55	5.76	-117.02	762.80	-159.35	853.59	837.96	15.63	54.625				

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 901H - OWB - PWP1														Offset Site Error:	0.00 usft	
Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR										Rule Assigned:				Offset Well Error:		3.00 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning			
4,800.00	4,779.61	4,814.81	4,820.14	13.90	5.85	-116.95	762.80	-150.64	852.11	836.25	15.87	53.706				
4,900.00	4,879.45	4,914.75	4,919.70	14.23	5.94	-116.77	762.80	-141.93	849.85	833.76	16.09	52.823				
5,000.00	4,979.38	5,014.63	5,019.19	14.53	6.03	-116.48	762.80	-133.22	846.82	830.53	16.29	51.983				
5,100.00	5,079.36	5,114.40	5,118.59	14.80	6.12	-116.07	762.80	-124.53	843.03	826.56	16.47	51.199				
5,165.64	5,145.00	5,179.82	5,183.76	14.88	6.19	-31.86	762.80	-118.83	840.15	823.63	16.52	50.854				
5,200.00	5,179.36	5,214.05	5,217.86	14.88	6.22	-31.69	762.80	-115.84	838.57	822.04	16.53	50.736				
5,300.00	5,279.36	5,313.67	5,317.10	14.94	6.31	-31.18	762.80	-107.16	834.01	817.40	16.62	50.196				
5,400.00	5,379.36	5,413.29	5,416.34	14.99	6.41	-30.67	762.80	-98.48	829.52	812.82	16.70	49.658				
5,500.00	5,479.36	5,512.91	5,515.58	15.04	6.51	-30.15	762.80	-89.80	825.10	808.30	16.80	49.124				
5,600.00	5,579.36	5,612.53	5,614.82	15.09	6.60	-29.62	762.80	-81.11	820.74	803.85	16.89	48.592				
5,700.00	5,679.36	5,712.15	5,714.06	15.15	6.70	-29.09	762.80	-72.43	816.46	799.47	16.99	48.063				
5,800.00	5,779.36	5,811.77	5,813.30	15.20	6.80	-28.56	762.80	-63.75	812.24	795.16	17.09	47.538				
5,900.00	5,879.36	5,911.39	5,912.54	15.25	6.91	-28.02	762.80	-55.07	808.10	790.91	17.19	47.016				
6,000.00	5,979.36	6,011.01	6,011.78	15.31	7.01	-27.47	762.80	-46.38	804.03	786.74	17.29	46.498				
6,100.00	6,079.36	6,110.63	6,111.02	15.36	7.11	-26.92	762.80	-37.70	800.04	782.64	17.40	45.983				
6,200.00	6,179.36	6,210.25	6,210.26	15.42	7.22	-26.36	762.80	-29.02	796.12	778.61	17.51	45.472				
6,300.00	6,279.36	6,309.87	6,309.50	15.47	7.32	-25.80	762.80	-20.34	792.27	774.65	17.62	44.965				
6,400.00	6,379.36	6,409.49	6,408.74	15.52	7.43	-25.23	762.80	-11.65	788.51	770.77	17.73	44.462				
6,500.00	6,479.36	6,509.11	6,507.98	15.58	7.53	-24.65	762.80	-2.97	784.82	766.97	17.85	43.963				
6,600.00	6,579.36	6,608.72	6,607.22	15.63	7.64	-24.08	762.80	5.71	781.21	763.24	17.97	43.469				
6,700.00	6,679.36	6,708.34	6,706.46	15.69	7.75	-23.49	762.80	14.39	777.69	759.59	18.09	42.979				
6,800.00	6,779.36	6,807.96	6,805.70	15.75	7.86	-22.90	762.80	23.08	774.24	756.02	18.22	42.494				
6,900.00	6,879.36	6,907.58	6,904.94	15.80	7.97	-22.31	762.80	31.76	770.88	752.53	18.35	42.013				
7,000.00	6,979.36	7,007.20	7,004.19	15.86	8.08	-21.71	762.80	40.44	767.61	749.13	18.48	41.537				
7,100.00	7,079.36	7,106.82	7,103.43	15.91	8.19	-21.10	762.80	49.12	764.41	745.80	18.61	41.066				
7,200.00	7,179.36	7,206.44	7,202.67	15.97	8.30	-20.49	762.80	57.81	761.31	742.56	18.75	40.600				
7,300.00	7,279.36	7,306.06	7,301.91	16.03	8.41	-19.88	762.80	66.49	758.29	739.40	18.89	40.140				
7,400.00	7,379.36	7,405.68	7,401.15	16.08	8.53	-19.26	762.80	75.17	755.36	736.33	19.03	39.684				
7,500.00	7,479.36	7,505.30	7,500.39	16.14	8.64	-18.63	762.80	83.85	752.52	733.34	19.18	39.234				
7,600.00	7,579.36	7,604.92	7,599.63	16.20	8.75	-18.00	762.80	92.54	749.78	730.45	19.33	38.789				
7,700.00	7,679.36	7,704.54	7,698.87	16.26	8.87	-17.37	762.80	101.22	747.12	727.64	19.48	38.350				
7,800.00	7,779.36	7,804.16	7,798.11	16.31	8.98	-16.73	762.80	109.90	744.55	724.92	19.64	37.916				
7,900.00	7,879.36	7,903.78	7,897.35	16.37	9.10	-16.09	762.80	118.58	742.08	722.29	19.80	37.488				
8,000.00	7,979.36	8,003.40	7,996.59	16.43	9.21	-15.44	762.80	127.27	739.71	719.75	19.96	37.066				
8,100.00	8,079.36	8,103.02	8,095.83	16.49	9.33	-14.79	762.80	135.95	737.42	717.30	20.12	36.649				
8,200.00	8,179.36	8,202.64	8,195.07	16.55	9.45	-14.14	762.80	144.63	735.24	714.95	20.29	36.239				
8,300.00	8,279.36	8,302.26	8,294.31	16.61	9.56	-13.48	762.80	153.31	733.15	712.69	20.46	35.834				
8,400.00	8,379.36	8,401.88	8,393.55	16.67	9.68	-12.82	762.80	161.99	731.16	710.53	20.63	35.436				
8,500.00	8,479.36	8,501.49	8,492.79	16.73	9.80	-12.15	762.80	170.68	729.27	708.46	20.81	35.044				
8,600.00	8,579.36	8,601.11	8,592.03	16.78	9.92	-11.49	762.80	179.36	727.48	706.49	20.99	34.658				
8,700.00	8,679.36	8,700.73	8,691.27	16.84	10.03	-10.81	762.80	188.04	725.79	704.61	21.17	34.278				
8,800.00	8,779.36	8,800.35	8,790.51	16.90	10.15	-10.14	762.80	196.72	724.19	702.84	21.36	33.905				
8,900.00	8,879.36	8,899.97	8,889.75	16.96	10.27	-9.46	762.80	205.41	722.71	701.16	21.55	33.538				
9,000.00	8,979.36	8,999.59	8,988.99	17.02	10.39	-8.78	762.80	214.09	721.32	699.58	21.74	33.177				
9,100.00	9,079.36	9,099.21	9,088.23	17.08	10.51	-8.10	762.80	222.77	720.03	698.10	21.94	32.823				
9,200.00	9,179.36	9,198.83	9,187.47	17.14	10.63	-7.41	762.80	231.45	718.85	696.72	22.13	32.476				
9,300.00	9,279.36	9,298.45	9,286.71	17.21	10.75	-6.73	762.80	240.14	717.78	695.44	22.34	32.135				
9,400.00	9,379.36	9,398.07	9,385.95	17.27	10.87	-6.04	762.80	248.82	716.81	694.26	22.54	31.801				
9,500.00	9,479.36	9,497.69	9,485.20	17.33	10.99	-5.35	762.80	257.50	715.94	693.19	22.75	31.473				
9,600.00	9,579.36	9,597.31	9,584.44	17.39	11.11	-4.65	762.80	266.18	715.18	692.22	22.96	31.153				
9,700.00	9,679.36	9,696.93	9,683.68	17.45	11.24	-3.96	762.80	274.87	714.52	691.35	23.17	30.838				

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 901H - OWB - PWP1														Offset Site Error:	0.00 usft		
Survey Program: 0-Standard Keeper 104, 10279-r.5 MWD+IFR1+FDIR														Rule Assigned:		Offset Well Error:	3.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning				
9,800.00	9,779.36	9,796.55	9,782.92	17.51	11.36	-3.26	762.80	283.55	713.97	690.58	23.39	30.531					
9,900.00	9,879.36	9,896.17	9,882.16	17.57	11.48	-2.57	762.80	292.23	713.52	689.92	23.60	30.230					
10,000.00	9,979.36	9,995.79	9,981.40	17.63	11.60	-1.87	762.80	300.91	713.18	689.36	23.82	29.936					
10,100.00	10,079.36	10,095.41	10,080.64	17.70	11.73	-1.17	762.80	309.60	712.95	688.90	24.05	29.648					
10,200.00	10,179.36	10,195.03	10,179.88	17.76	11.85	-0.48	762.80	318.28	712.82	688.55	24.27	29.368					
10,300.00	10,279.36	11,252.53	10,814.09	17.82	13.66	68.79	168.94	630.70	627.71	588.13	39.58	15.859					
10,318.18	10,297.54	11,252.42	10,814.09	17.83	13.66	68.77	169.04	630.66	612.30	572.80	39.50	15.502					
10,325.00	10,304.36	11,252.33	10,814.09	17.83	13.66	70.03	169.12	630.63	606.55	567.17	39.38	15.401					
10,350.00	10,329.34	11,251.13	10,814.10	17.83	13.66	74.26	170.24	630.18	585.51	546.26	39.25	14.919					
10,375.00	10,354.23	11,248.55	10,814.11	17.83	13.64	78.25	172.64	629.23	564.59	525.50	39.09	14.442					
10,400.00	10,378.96	11,244.62	10,814.13	17.84	13.63	81.94	176.29	627.77	543.84	504.92	38.92	13.974					
10,425.00	10,403.47	11,239.34	10,814.16	17.84	13.61	85.29	181.19	625.80	523.32	484.59	38.72	13.515					
10,450.00	10,427.69	11,232.73	10,814.19	17.84	13.58	88.27	187.31	623.32	503.07	464.57	38.51	13.065					
10,475.00	10,451.56	11,224.83	10,814.23	17.85	13.54	90.89	194.63	620.34	483.15	444.88	38.27	12.626					
10,500.00	10,475.00	11,215.66	10,814.28	17.85	13.51	93.13	203.11	616.86	463.60	425.59	38.01	12.198					
10,525.00	10,497.95	11,205.26	10,814.33	17.85	13.46	95.03	212.72	612.87	444.44	406.72	37.72	11.781					
10,550.00	10,520.36	11,193.66	10,814.39	17.86	13.42	96.61	223.41	608.39	425.71	388.29	37.42	11.376					
10,575.00	10,542.15	11,180.92	10,814.45	17.86	13.37	97.88	235.14	603.41	407.44	370.34	37.10	10.982					
10,600.00	10,563.28	11,167.07	10,814.52	17.87	13.31	98.89	247.86	597.95	389.64	352.88	36.76	10.599					
10,625.00	10,583.67	11,146.35	10,814.42	17.87	13.24	98.81	266.87	589.67	372.25	335.90	36.36	10.239					
10,650.00	10,603.29	11,123.13	10,813.45	17.88	13.16	98.21	288.10	580.34	355.06	319.17	35.89	9.893					
10,675.00	10,622.06	11,101.02	10,811.65	17.89	13.08	97.59	308.25	571.42	338.08	302.69	35.39	9.552					
10,700.00	10,639.95	11,079.81	10,809.13	17.89	13.01	96.92	327.47	562.83	321.36	286.49	34.87	9.215					
10,725.00	10,656.89	11,059.37	10,805.97	17.90	12.94	96.17	345.89	554.53	304.97	270.63	34.34	8.882					
10,750.00	10,672.85	11,039.55	10,802.22	17.92	12.87	95.31	363.61	546.49	288.93	255.14	33.79	8.550					
10,775.00	10,687.78	11,020.27	10,797.94	17.93	12.82	94.32	380.70	538.68	273.32	240.07	33.25	8.220					
10,800.00	10,701.65	11,001.44	10,793.14	17.94	12.76	93.17	397.24	531.06	258.19	225.48	32.72	7.891					
10,825.00	10,714.40	10,982.99	10,787.87	17.96	12.71	91.84	413.27	523.62	243.61	211.40	32.22	7.562					
10,850.00	10,726.02	10,964.88	10,782.14	17.98	12.66	90.31	428.85	516.34	229.65	197.90	31.76	7.232					
10,875.00	10,736.45	10,947.03	10,775.98	18.00	12.61	88.55	443.99	509.21	216.40	185.04	31.36	6.900					
10,900.00	10,745.69	10,929.43	10,769.39	18.02	12.57	86.54	458.74	502.21	203.95	172.88	31.06	6.566					
10,925.00	10,753.70	10,912.02	10,762.38	18.04	12.52	84.26	473.12	495.34	192.39	161.51	30.88	6.230					
10,950.00	10,760.45	10,894.79	10,754.97	18.07	12.48	81.70	487.14	488.59	181.84	151.00	30.84	5.897					
10,975.00	10,765.94	10,877.69	10,747.17	18.10	12.45	78.86	500.82	481.95	172.42	141.45	30.96	5.569					
11,000.00	10,770.14	10,860.72	10,738.98	18.13	12.41	75.73	514.18	475.42	164.23	132.97	31.25	5.255					
11,025.00	10,773.05	10,843.84	10,730.40	18.17	12.38	72.32	527.21	468.99	157.38	125.68	31.70	4.964					
11,050.00	10,774.66	10,827.04	10,721.44	18.21	12.35	68.66	539.94	462.67	151.96	119.69	32.27	4.709					
11,066.99	10,775.00	10,815.66	10,715.14	18.24	12.33	66.04	548.41	458.43	149.13	116.43	32.70	4.561					
11,100.00	10,775.08	10,794.20	10,702.75	18.29	12.29	60.32	564.06	450.54	146.17	112.61	33.56	4.355					
11,108.05	10,775.10	10,789.16	10,699.75	18.31	12.28	58.94	567.67	448.70	146.05	112.27	33.77	4.324 CC, ES, SF					
11,200.00	10,775.33	10,736.35	10,666.20	18.50	12.21	44.32	603.88	430.00	162.24	127.06	35.19	4.611					
11,300.00	10,775.58	10,688.03	10,632.35	18.75	12.15	32.28	634.30	413.80	210.50	175.95	34.55	6.092					
11,400.00	10,775.83	10,650.00	10,603.76	19.04	12.11	24.52	656.27	401.74	277.46	244.34	33.12	8.377					
11,500.00	10,776.08	10,613.59	10,574.89	19.36	12.08	18.57	675.57	390.81	354.33	322.20	32.13	11.027					
11,600.00	10,776.32	10,584.77	10,551.09	19.72	12.07	14.78	689.59	382.62	436.98	405.73	31.25	13.984					
11,700.00	10,776.57	10,550.00	10,521.34	20.10	12.05	11.11	704.99	373.32	523.51	492.62	30.89	16.945					
11,800.00	10,776.82	10,550.00	10,521.34	20.52	12.05	11.11	704.99	373.32	612.43	582.67	29.75	20.582					
11,900.00	10,777.07	10,520.60	10,495.38	20.96	12.03	8.64	716.67	365.96	702.98	673.34	29.64	23.717					
12,000.00	10,777.32	10,500.00	10,476.79	21.43	12.02	7.19	724.10	361.10	795.17	765.76	29.41	27.035					
12,100.00	10,777.56	10,500.00	10,476.79	21.92	12.02	7.19	724.10	361.10	888.53	859.63	28.91	30.738					
12,200.00	10,777.81	10,477.84	10,456.46	22.44	12.02	5.86	731.39	356.15	982.55	953.67	28.88	34.025					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 902H - OWB - PWP2														Offset Site Error:	0.00 usft	
Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR												Rule Assigned:		Offset Well Error:		3.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning			
0.00	0.00	0.00	13.60	0.00	3.00	-25.97	762.60	-371.40	848.34	848.34						
100.00	100.00	86.40	100.00	0.77	3.00	-25.97	762.60	-371.40	848.23	843.43	4.80	176.754				
200.00	200.00	186.40	200.00	1.44	3.00	-25.97	762.60	-371.40	848.23	843.11	5.12	165.557				
300.00	300.00	286.40	300.00	1.88	3.01	-25.97	762.60	-371.40	848.23	842.80	5.44	156.055				
400.00	400.00	386.40	400.00	2.25	3.03	-25.97	762.60	-371.40	848.23	842.49	5.74	147.855				
500.00	500.00	486.40	500.00	2.56	3.05	-25.97	762.60	-371.40	848.23	842.20	6.03	140.677				
600.00	600.00	586.40	600.00	2.84	3.08	-25.97	762.60	-371.40	848.23	841.92	6.31	134.323				
700.00	700.00	686.40	700.00	3.10	3.11	-25.97	762.60	-371.40	848.23	841.64	6.59	128.643				
800.00	800.00	786.40	800.00	3.34	3.15	-25.97	762.60	-371.40	848.23	841.36	6.87	123.525				
900.00	900.00	886.40	900.00	3.57	3.19	-25.97	762.60	-371.40	848.23	841.10	7.14	118.879				
1,000.00	1,000.00	986.40	1,000.00	3.79	3.24	-25.97	762.60	-371.40	848.23	840.83	7.40	114.637				
1,100.00	1,100.00	1,086.40	1,100.00	3.99	3.29	-25.97	762.60	-371.40	848.23	840.57	7.66	110.743				
1,200.00	1,200.00	1,186.40	1,200.00	4.19	3.35	-25.97	762.60	-371.40	848.23	840.32	7.92	107.151				
1,300.00	1,300.00	1,286.40	1,300.00	4.38	3.41	-25.97	762.60	-371.40	848.23	840.06	8.17	103.824				
1,400.00	1,400.00	1,386.40	1,400.00	4.56	3.47	-25.97	762.60	-371.40	848.23	839.81	8.42	100.731				
1,500.00	1,500.00	1,486.40	1,500.00	4.74	3.54	-25.97	762.60	-371.40	848.23	839.56	8.67	97.846				
1,600.00	1,600.00	1,586.40	1,600.00	4.91	3.61	-25.97	762.60	-371.40	848.23	839.32	8.92	95.146				
1,700.00	1,700.00	1,686.40	1,700.00	5.08	3.69	-25.97	762.60	-371.40	848.23	839.07	9.16	92.613				
1,800.00	1,800.00	1,786.40	1,800.00	5.24	3.76	-25.97	762.60	-371.40	848.23	838.83	9.40	90.229				
1,900.00	1,900.00	1,886.40	1,900.00	5.40	3.84	-25.97	762.60	-371.40	848.23	838.59	9.64	87.982				
2,000.00	2,000.00	1,986.40	2,000.00	5.56	3.93	-25.97	762.60	-371.40	848.23	838.35	9.88	85.858				
2,100.00	2,099.99	2,086.39	2,099.99	5.70	4.01	-81.03	762.60	-371.40	848.09	837.99	10.10	83.949				
2,200.00	2,199.96	2,186.36	2,199.96	5.84	4.10	-81.21	762.60	-371.40	847.69	837.38	10.31	82.215				
2,300.00	2,299.86	2,286.26	2,299.86	6.00	4.19	-81.50	762.60	-371.40	847.03	836.52	10.52	80.532				
2,400.00	2,399.68	2,386.08	2,399.68	6.17	4.29	-81.92	762.60	-371.40	846.15	835.43	10.72	78.900				
2,500.00	2,499.37	2,485.77	2,499.37	6.36	4.38	-82.46	762.60	-371.40	845.08	834.15	10.93	77.320				
2,538.86	2,538.07	2,524.47	2,538.07	6.45	4.42	-90.00	762.60	-371.40	844.86	833.83	11.03	76.569				
2,600.00	2,598.89	2,585.29	2,598.89	6.59	4.48	-99.71	762.60	-371.40	845.42	834.22	11.20	75.504				
2,700.00	2,698.16	2,684.56	2,698.16	6.85	4.58	-111.12	762.60	-371.40	848.76	837.33	11.43	74.275				
2,717.41	2,715.41	2,701.81	2,715.41	6.88	4.59	-112.68	762.60	-371.40	849.66	838.21	11.44	74.243				
2,800.00	2,797.19	2,783.59	2,797.19	7.08	4.68	-113.39	762.60	-371.40	854.19	842.58	11.61	73.584				
2,900.00	2,896.22	2,882.62	2,896.22	7.34	4.78	-114.23	762.60	-371.40	859.86	848.04	11.82	72.756				
3,000.00	2,995.25	2,981.65	2,995.25	7.62	4.88	-115.07	762.60	-371.40	865.71	853.67	12.04	71.920				
3,100.00	3,094.27	3,080.67	3,094.27	7.91	4.98	-115.89	762.60	-371.40	871.74	859.48	12.27	71.075				
3,200.00	3,193.30	3,179.70	3,193.30	8.21	5.09	-116.70	762.60	-371.40	877.96	865.46	12.50	70.222				
3,300.00	3,292.33	3,278.73	3,292.33	8.53	5.19	-117.50	762.60	-371.40	884.35	871.60	12.75	69.359				
3,400.00	3,391.35	3,377.75	3,391.35	8.85	5.30	-118.29	762.60	-371.40	890.91	877.90	13.01	68.489				
3,500.00	3,490.38	3,476.78	3,490.38	9.19	5.41	-119.06	762.60	-371.40	897.64	884.36	13.28	67.611				
3,600.00	3,589.41	3,575.81	3,589.41	9.53	5.52	-119.83	762.60	-371.40	904.53	890.97	13.56	66.727				
3,700.00	3,688.43	3,674.83	3,688.43	9.88	5.63	-120.58	762.60	-371.40	911.58	897.74	13.85	65.838				
3,800.00	3,787.46	3,773.86	3,787.46	10.24	5.74	-121.32	762.60	-371.40	918.79	904.65	14.15	64.946				
3,900.00	3,886.49	3,872.89	3,886.49	10.60	5.85	-122.05	762.60	-371.40	926.16	911.70	14.46	64.052				
4,000.00	3,985.52	3,971.92	3,985.52	10.97	5.96	-122.77	762.60	-371.40	933.67	918.89	14.78	63.160				
4,100.00	4,084.54	4,070.94	4,084.54	11.34	6.08	-123.48	762.60	-371.40	941.33	926.21	15.12	62.270				
4,200.00	4,183.57	4,169.97	4,183.57	11.71	6.19	-124.18	762.60	-371.40	949.13	933.67	15.46	61.384				
4,300.00	4,282.60	4,269.00	4,282.60	12.09	6.30	-124.86	762.60	-371.40	957.07	941.25	15.82	60.505				
4,365.62	4,347.58	4,333.98	4,347.58	12.33	6.38	-125.30	762.60	-371.40	962.35	946.32	16.03	60.028				
4,400.00	4,381.64	4,368.04	4,381.64	12.45	6.42	-125.55	762.60	-371.40	965.08	948.95	16.14	59.810				
4,500.00	4,480.86	4,467.26	4,480.86	12.82	6.54	-126.21	762.60	-371.40	972.42	955.92	16.50	58.924				
4,600.00	4,580.28	4,566.68	4,580.28	13.19	6.65	-126.76	762.60	-371.40	978.82	961.96	16.87	58.037				
4,700.00	4,679.87	4,666.27	4,679.87	13.55	6.77	-127.22	762.60	-371.40	984.24	967.02	17.22	57.157				

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 902H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR														Rule Assigned:		Offset Well Error:	3.00 usft
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning					
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor					
4,800.00	4,779.61	4,766.01	4,779.61	13.90	6.89	-127.59	762.60	-371.40	988.65	971.09	17.56	56.289					
4,900.00	4,879.45	4,865.85	4,879.45	14.23	7.01	-127.87	762.60	-371.40	992.03	974.13	17.89	55.443					
5,000.00	4,979.38	4,965.78	4,979.38	14.53	7.13	-128.06	762.60	-371.40	994.34	976.14	18.20	54.627					
5,100.00	5,079.36	5,065.76	5,079.36	14.80	7.25	-128.16	762.60	-371.40	995.59	977.10	18.48	53.863					
5,165.64	5,145.00	5,131.40	5,145.00	14.88	7.32	-44.31	762.60	-371.40	995.82	977.22	18.60	53.551					
5,200.00	5,179.36	5,165.76	5,179.36	14.88	7.37	-44.31	762.60	-371.40	995.82	977.19	18.63	53.463					
5,300.00	5,279.36	5,265.76	5,279.36	14.94	7.49	-44.31	762.60	-371.40	995.82	977.05	18.77	53.046					
5,400.00	5,379.36	5,365.76	5,379.36	14.99	7.61	-44.31	762.60	-371.40	995.82	976.90	18.92	52.633					
5,500.00	5,479.36	5,465.76	5,479.36	15.04	7.73	-44.31	762.60	-371.40	995.82	976.75	19.07	52.224					
5,600.00	5,579.36	5,570.54	5,584.13	15.09	7.84	-44.26	763.07	-370.67	995.66	976.45	19.21	51.837					
5,700.00	5,679.36	5,677.61	5,691.10	15.15	7.94	-44.00	765.60	-366.79	994.83	975.52	19.30	51.532					
5,800.00	5,779.36	5,778.96	5,792.20	15.20	8.02	-43.60	769.43	-360.89	993.53	974.15	19.38	51.262					
5,900.00	5,879.36	5,878.71	5,891.71	15.25	8.10	-43.20	773.26	-355.01	992.26	972.80	19.46	50.994					
6,000.00	5,979.36	5,978.47	5,991.21	15.31	8.19	-42.80	777.09	-349.12	991.04	971.50	19.54	50.725					
6,100.00	6,079.36	6,078.22	6,090.72	15.36	8.27	-42.40	780.92	-343.24	989.87	970.25	19.62	50.456					
6,200.00	6,179.36	6,177.97	6,190.22	15.42	8.36	-42.00	784.75	-337.35	988.75	969.05	19.70	50.187					
6,300.00	6,279.36	6,277.72	6,289.73	15.47	8.45	-41.60	788.57	-331.47	987.67	967.89	19.79	49.918					
6,400.00	6,379.36	6,377.47	6,389.23	15.52	8.53	-41.19	792.40	-325.58	986.65	966.78	19.87	49.649					
6,500.00	6,479.36	6,477.23	6,488.74	15.58	8.62	-40.79	796.23	-319.69	985.67	965.71	19.96	49.380					
6,600.00	6,579.36	6,576.98	6,588.24	15.63	8.72	-40.38	800.06	-313.81	984.75	964.69	20.05	49.112					
6,700.00	6,679.36	6,676.73	6,687.74	15.69	8.81	-39.98	803.89	-307.92	983.87	963.72	20.14	48.843					
6,800.00	6,779.36	6,776.48	6,787.25	15.75	8.90	-39.57	807.71	-302.04	983.04	962.80	20.24	48.576					
6,900.00	6,879.36	6,876.23	6,886.75	15.80	9.00	-39.17	811.54	-296.15	982.26	961.93	20.33	48.308					
7,000.00	6,979.36	6,975.99	6,986.26	15.86	9.09	-38.76	815.37	-290.27	981.54	961.10	20.43	48.041					
7,100.00	7,079.36	7,075.74	7,085.76	15.91	9.19	-38.35	819.20	-284.38	980.86	960.33	20.53	47.775					
7,200.00	7,179.36	7,175.49	7,185.27	15.97	9.28	-37.94	823.03	-278.50	980.23	959.60	20.63	47.509					
7,300.00	7,279.36	7,275.24	7,284.77	16.03	9.38	-37.53	826.85	-272.61	979.65	958.92	20.74	47.244					
7,400.00	7,379.36	7,374.99	7,384.28	16.08	9.48	-37.12	830.68	-266.73	979.12	958.28	20.84	46.980					
7,500.00	7,479.36	7,474.75	7,483.78	16.14	9.58	-36.71	834.51	-260.84	978.65	957.70	20.95	46.716					
7,600.00	7,579.36	7,574.50	7,583.29	16.20	9.68	-36.30	838.34	-254.96	978.22	957.16	21.06	46.454					
7,700.00	7,679.36	7,674.25	7,682.79	16.26	9.78	-35.89	842.17	-249.07	977.84	956.68	21.17	46.192					
7,800.00	7,779.36	7,774.00	7,782.30	16.31	9.88	-35.48	845.99	-243.19	977.52	956.24	21.28	45.931					
7,900.00	7,879.36	7,873.75	7,881.80	16.37	9.98	-35.07	849.82	-237.30	977.24	955.85	21.40	45.671					
8,000.00	7,979.36	7,973.51	7,981.31	16.43	10.09	-34.66	853.65	-231.42	977.02	955.50	21.51	45.412					
8,100.00	8,079.36	8,073.26	8,080.81	16.49	10.19	-34.25	857.48	-225.53	976.85	955.21	21.63	45.155					
8,200.00	8,179.36	8,173.01	8,180.31	16.55	10.29	-33.84	861.31	-219.64	976.72	954.97	21.75	44.898					
8,300.00	8,279.36	8,272.76	8,279.82	16.61	10.40	-33.42	865.13	-213.76	976.65	954.77	21.88	44.643					
8,392.77	8,372.13	8,365.30	8,372.13	16.66	10.50	-33.04	868.69	-208.30	976.63	954.64	21.99	44.407					
8,400.00	8,379.36	8,372.51	8,379.32	16.67	10.50	-33.01	868.96	-207.87	976.63	954.63	22.00	44.389					
8,500.00	8,479.36	8,472.27	8,478.83	16.73	10.61	-32.60	872.79	-201.99	976.66	954.53	22.13	44.137					
8,600.00	8,579.36	8,572.02	8,578.33	16.78	10.72	-32.19	876.62	-196.10	976.74	954.48	22.26	43.885					
8,700.00	8,679.36	8,671.77	8,677.84	16.84	10.82	-31.78	880.45	-190.22	976.87	954.48	22.39	43.636					
8,800.00	8,779.36	8,771.52	8,777.34	16.90	10.93	-31.36	884.27	-184.33	977.05	954.53	22.52	43.387					
8,900.00	8,879.36	8,871.27	8,876.85	16.96	11.04	-30.95	888.10	-178.45	977.28	954.63	22.65	43.140					
9,000.00	8,979.36	8,971.03	8,976.35	17.02	11.15	-30.54	891.93	-172.56	977.56	954.77	22.79	42.895					
9,100.00	9,079.36	9,070.78	9,075.86	17.08	11.26	-30.13	895.76	-166.68	977.90	954.97	22.93	42.652					
9,200.00	9,179.36	9,170.53	9,175.36	17.14	11.37	-29.72	899.59	-160.79	978.28	955.21	23.07	42.410					
9,300.00	9,279.36	9,270.28	9,274.87	17.21	11.48	-29.31	903.41	-154.91	978.71	955.50	23.21	42.169					
9,400.00	9,379.36	9,370.03	9,374.37	17.27	11.59	-28.90	907.24	-149.02	979.20	955.84	23.35	41.931					
9,500.00	9,479.36	9,469.79	9,473.87	17.33	11.70	-28.49	911.07	-143.14	979.73	956.23	23.50	41.694					
9,600.00	9,579.36	9,569.54	9,573.38	17.39	11.81	-28.08	914.90	-137.25	980.32	956.67	23.65	41.459					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 902H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR														Rule Assigned:		Offset Well Error:	3.00 usft
Measured Reference	Vertical Reference	Measured Offset	Vertical Offset	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning				
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)							
9,700.00	9,679.36	9,669.29	9,672.88	17.45	11.92	-27.67	918.73	-131.36	980.95	957.16	23.79	41.226					
9,800.00	9,779.36	9,769.04	9,772.39	17.51	12.04	-27.26	922.55	-125.48	981.64	957.69	23.95	40.995					
9,900.00	9,879.36	9,868.79	9,871.89	17.57	12.15	-26.86	926.38	-119.59	982.37	958.27	24.10	40.766					
10,000.00	9,979.36	11,443.62	10,791.34	17.63	13.68	-91.12	42.46	-60.49	898.53	859.28	39.25	22.892					
10,100.00	10,079.36	11,442.92	10,791.35	17.70	13.68	-91.02	43.16	-60.49	809.30	770.25	39.05	20.727					
10,200.00	10,179.36	11,442.21	10,791.35	17.76	13.68	-90.91	43.87	-60.50	722.89	684.22	38.67	18.695					
10,300.00	10,279.36	11,441.51	10,791.36	17.82	13.67	-90.81	44.57	-60.50	640.44	602.41	38.04	16.838					
10,318.18	10,297.54	11,441.38	10,791.36	17.83	13.67	-90.79	44.70	-60.50	626.00	588.12	37.88	16.524					
10,325.00	10,304.36	11,441.28	10,791.36	17.83	13.67	-91.75	44.80	-60.50	620.64	582.70	37.94	16.357					
10,350.00	10,329.34	11,440.09	10,791.37	17.83	13.67	-95.26	45.99	-60.51	601.25	563.54	37.70	15.947					
10,375.00	10,354.23	11,437.60	10,791.39	17.83	13.66	-98.33	48.48	-60.52	582.35	544.92	37.43	15.558					
10,400.00	10,378.96	11,433.81	10,791.41	17.84	13.66	-100.97	52.27	-60.54	564.05	526.92	37.13	15.192					
10,425.00	10,403.47	11,428.73	10,791.45	17.84	13.64	-103.18	57.35	-60.56	546.42	509.63	36.79	14.851					
10,450.00	10,427.69	11,422.38	10,791.49	17.84	13.63	-104.98	63.70	-60.59	529.54	493.12	36.43	14.537					
10,475.00	10,451.56	11,414.77	10,791.55	17.85	13.61	-106.40	71.31	-60.63	513.50	477.47	36.03	14.252					
10,500.00	10,475.00	11,405.92	10,791.61	17.85	13.59	-107.46	80.15	-60.67	498.35	462.75	35.60	13.997					
10,525.00	10,497.95	11,395.87	10,791.68	17.85	13.57	-108.18	90.21	-60.71	484.16	449.01	35.15	13.773					
10,550.00	10,520.36	11,384.63	10,791.76	17.86	13.55	-108.60	101.45	-60.77	470.98	436.30	34.68	13.580					
10,575.00	10,542.15	11,372.23	10,791.85	17.86	13.53	-108.74	113.84	-60.83	458.85	424.65	34.20	13.418					
10,600.00	10,563.28	11,358.72	10,791.94	17.87	13.50	-108.62	127.36	-60.89	447.79	414.09	33.70	13.286					
10,625.00	10,583.67	11,344.13	10,792.04	17.87	13.47	-108.27	141.95	-60.96	437.82	404.61	33.21	13.183					
10,650.00	10,603.29	11,328.49	10,792.15	17.88	13.45	-107.72	157.59	-61.03	428.94	396.21	32.73	13.106					
10,675.00	10,622.06	11,311.85	10,792.27	17.89	13.42	-106.98	174.22	-61.11	421.11	388.85	32.26	13.054					
10,700.00	10,639.95	11,294.26	10,792.40	17.89	13.39	-106.08	191.81	-61.19	414.30	382.49	31.82	13.022					
10,725.00	10,656.89	11,275.77	10,792.53	17.90	13.37	-105.05	210.31	-61.28	408.48	377.07	31.41	13.005					
10,750.00	10,672.85	11,256.42	10,792.66	17.92	13.34	-103.93	229.66	-61.37	403.56	372.52	31.04	13.002 SF					
10,775.00	10,687.78	11,236.27	10,792.80	17.93	13.31	-102.73	249.81	-61.47	399.49	368.78	30.71	13.009					
10,800.00	10,701.65	11,215.37	10,792.95	17.94	13.29	-101.49	270.70	-61.57	396.18	365.76	30.42	13.023					
10,825.00	10,714.40	11,193.78	10,793.10	17.96	13.26	-100.24	292.29	-61.67	393.54	363.36	30.18	13.041					
10,850.00	10,726.02	11,171.56	10,793.26	17.98	13.24	-99.01	314.51	-61.77	391.49	361.51	29.98	13.060					
10,875.00	10,736.45	11,148.78	10,793.42	18.00	13.21	-97.83	337.29	-61.88	389.93	360.12	29.81	13.080					
10,900.00	10,745.69	11,125.48	10,793.59	18.02	13.19	-96.73	360.58	-61.99	388.79	359.11	29.68	13.100					
10,925.00	10,753.70	11,101.09	10,793.32	18.04	13.17	-95.65	384.97	-62.13	387.97	358.40	29.57	13.122					
10,950.00	10,760.45	11,076.88	10,792.04	18.07	13.14	-94.57	409.15	-62.33	387.40	357.92	29.48	13.140					
10,975.00	10,765.94	11,052.92	10,789.77	18.10	13.12	-93.50	433.00	-62.59	387.08	357.66	29.42	13.155					
10,998.39	10,769.91	11,030.72	10,786.77	18.13	13.10	-92.52	454.99	-62.88	386.98	357.59	29.39	13.166 CC, ES					
11,000.00	10,770.14	11,029.20	10,786.54	18.13	13.10	-92.46	456.49	-62.90	386.98	357.59	29.39	13.166					
11,025.00	10,773.05	11,005.70	10,782.38	18.17	13.07	-91.43	479.62	-63.27	387.10	357.72	29.38	13.174					
11,050.00	10,774.66	10,982.40	10,777.34	18.21	13.05	-90.43	502.36	-63.68	387.42	358.02	29.40	13.179					
11,066.99	10,775.00	10,966.68	10,773.41	18.24	13.03	-89.77	517.58	-63.99	387.74	358.32	29.42	13.181					
11,100.00	10,775.08	10,936.68	10,764.77	18.29	13.00	-88.48	546.30	-64.65	388.62	359.13	29.49	13.180					
11,200.00	10,775.33	10,850.00	10,731.54	18.50	12.91	-83.61	626.23	-67.04	394.36	364.37	29.99	13.149					
11,300.00	10,775.58	10,778.84	10,695.51	18.75	12.83	-78.51	687.49	-69.49	407.32	376.41	30.91	13.176					
11,400.00	10,775.83	10,716.23	10,657.75	19.04	12.77	-73.41	737.33	-71.99	430.16	398.18	31.97	13.454					
11,500.00	10,776.08	10,663.44	10,621.85	19.36	12.72	-68.86	775.94	-74.32	464.08	431.20	32.89	14.112					
11,600.00	10,776.32	10,619.03	10,589.01	19.72	12.68	-64.97	805.74	-76.42	508.85	475.36	33.49	15.193					
11,700.00	10,776.57	10,581.57	10,559.58	20.10	12.65	-61.71	828.83	-78.28	563.24	529.46	33.78	16.673					
11,800.00	10,776.82	10,550.00	10,533.65	20.52	12.63	-59.01	846.77	-79.91	625.67	591.85	33.82	18.498					
11,900.00	10,777.07	10,522.70	10,510.47	20.96	12.61	-56.74	861.10	-81.36	694.63	660.91	33.72	20.601					
12,000.00	10,777.32	10,500.00	10,490.69	21.43	12.60	-54.91	872.17	-82.59	768.77	735.26	33.51	22.938					
12,100.00	10,777.56	10,479.17	10,472.17	21.92	12.59	-53.27	881.62	-83.74	847.04	813.75	33.29	25.442					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 902H - OWB - PWP2													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR													<b>Offset Well Error:</b> 3.00 usft
<b>Rule Assigned:</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)	No-Go Distance (usft)	Separation Factor	Warning
12,200.00	10,777.81	10,450.00	10,445.67	22.44	12.57	-51.05	893.72	-85.38	928.78	895.56	33.21	27.963	

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 903H - OWB - PWP2														Offset Site Error:	0.00 usft	
Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR														Offset Well Error:		3.00 usft
Reference: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR														Rule Assigned:		
Semi Major Axis														Distance		
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)	No-Go Distance (usft)	Separation Factor	Warning			
0.00	0.00	0.00	14.00	0.00	3.00	-27.77	762.40	-401.40	861.73							
100.00	100.00	86.00	100.00	0.77	3.00	-27.77	762.40	-401.40	861.61	856.81	4.80	179.543				
200.00	200.00	186.00	200.00	1.44	3.00	-27.77	762.40	-401.40	861.61	856.49	5.12	168.173				
300.00	300.00	286.00	300.00	1.88	3.01	-27.77	762.40	-401.40	861.61	856.18	5.44	158.527				
400.00	400.00	386.00	400.00	2.25	3.03	-27.77	762.40	-401.40	861.61	855.88	5.74	150.204				
500.00	500.00	486.00	500.00	2.56	3.05	-27.77	762.40	-401.40	861.61	855.58	6.03	142.921				
600.00	600.00	586.00	600.00	2.84	3.08	-27.77	762.40	-401.40	861.61	855.30	6.31	136.475				
700.00	700.00	686.00	700.00	3.10	3.11	-27.77	762.40	-401.40	861.61	855.02	6.59	130.713				
800.00	800.00	786.00	800.00	3.34	3.15	-27.77	762.40	-401.40	861.61	854.75	6.86	125.521				
900.00	900.00	886.00	900.00	3.57	3.19	-27.77	762.40	-401.40	861.61	854.48	7.13	120.809				
1,000.00	1,000.00	986.00	1,000.00	3.79	3.24	-27.77	762.40	-401.40	861.61	854.22	7.40	116.506				
1,100.00	1,100.00	1,086.00	1,100.00	3.99	3.29	-27.77	762.40	-401.40	861.61	853.96	7.65	112.557				
1,200.00	1,200.00	1,186.00	1,200.00	4.19	3.35	-27.77	762.40	-401.40	861.61	853.70	7.91	108.914				
1,300.00	1,300.00	1,286.00	1,300.00	4.38	3.41	-27.77	762.40	-401.40	861.61	853.45	8.16	105.541				
1,400.00	1,400.00	1,386.00	1,400.00	4.56	3.47	-27.77	762.40	-401.40	861.61	853.20	8.41	102.404				
1,500.00	1,500.00	1,486.00	1,500.00	4.74	3.54	-27.77	762.40	-401.40	861.61	852.95	8.66	99.478				
1,600.00	1,600.00	1,586.00	1,600.00	4.91	3.61	-27.77	762.40	-401.40	861.61	852.71	8.91	96.740				
1,700.00	1,700.00	1,686.00	1,700.00	5.08	3.69	-27.77	762.40	-401.40	861.61	852.46	9.15	94.171				
1,800.00	1,800.00	1,786.00	1,800.00	5.24	3.76	-27.77	762.40	-401.40	861.61	852.22	9.39	91.754				
1,900.00	1,900.00	1,886.00	1,900.00	5.40	3.84	-27.77	762.40	-401.40	861.61	851.98	9.63	89.475				
2,000.00	2,000.00	1,986.00	2,000.00	5.56	3.93	-27.77	762.40	-401.40	861.61	851.75	9.87	87.321				
2,100.00	2,099.99	2,085.99	2,099.99	5.70	4.01	-82.83	762.40	-401.40	861.50	851.41	10.09	85.389				
2,200.00	2,199.96	2,185.96	2,199.96	5.84	4.10	-83.00	762.40	-401.40	861.18	850.88	10.30	83.640				
2,300.00	2,299.86	2,285.86	2,299.86	6.00	4.19	-83.29	762.40	-401.40	860.66	850.16	10.50	81.951				
2,400.00	2,399.68	2,385.68	2,399.68	6.17	4.29	-83.70	762.40	-401.40	859.97	849.26	10.71	80.319				
2,500.00	2,499.37	2,485.37	2,499.37	6.36	4.38	-84.23	762.40	-401.40	859.14	848.23	10.91	78.746				
2,529.20	2,528.45	2,514.45	2,528.45	6.43	4.41	-90.00	762.40	-401.40	859.01	848.02	10.99	78.175 CC, ES				
2,600.00	2,598.89	2,584.89	2,598.89	6.59	4.48	-101.47	762.40	-401.40	859.77	848.60	11.18	76.931				
2,700.00	2,698.16	2,684.16	2,698.16	6.85	4.58	-112.86	762.40	-401.40	863.47	852.06	11.41	75.700				
2,717.41	2,715.41	2,701.41	2,715.41	6.88	4.59	-114.42	762.40	-401.40	864.43	853.01	11.42	75.669				
2,800.00	2,797.19	2,783.19	2,797.19	7.08	4.68	-115.10	762.40	-401.40	869.29	857.70	11.59	75.009				
2,900.00	2,896.22	2,882.22	2,896.22	7.34	4.78	-115.92	762.40	-401.40	875.33	863.53	11.80	74.173				
3,000.00	2,995.25	2,981.25	2,995.25	7.62	4.88	-116.73	762.40	-401.40	881.55	869.53	12.02	73.323				
3,100.00	3,094.27	3,080.27	3,094.27	7.91	4.98	-117.52	762.40	-401.40	887.94	875.69	12.25	72.461				
3,200.00	3,193.30	3,179.30	3,193.30	8.21	5.09	-118.31	762.40	-401.40	894.51	882.01	12.50	71.585				
3,300.00	3,292.33	3,278.33	3,292.33	8.53	5.19	-119.08	762.40	-401.40	901.24	888.49	12.75	70.697				
3,400.00	3,391.35	3,377.35	3,391.35	8.85	5.30	-119.84	762.40	-401.40	908.14	895.13	13.01	69.799				
3,500.00	3,490.38	3,476.38	3,490.38	9.19	5.41	-120.59	762.40	-401.40	915.19	901.91	13.28	68.891				
3,600.00	3,589.41	3,575.41	3,589.41	9.53	5.52	-121.33	762.40	-401.40	922.41	908.84	13.57	67.976				
3,700.00	3,688.43	3,674.43	3,688.43	9.88	5.63	-122.06	762.40	-401.40	929.77	915.91	13.87	67.055				
3,800.00	3,787.46	3,773.46	3,787.46	10.24	5.74	-122.78	762.40	-401.40	937.28	923.11	14.17	66.130				
3,900.00	3,886.49	3,872.49	3,886.49	10.60	5.85	-123.48	762.40	-401.40	944.94	930.45	14.49	65.205				
4,000.00	3,985.52	3,971.52	3,985.52	10.97	5.96	-124.17	762.40	-401.40	952.74	937.92	14.82	64.280				
4,100.00	4,084.54	4,070.54	4,084.54	11.34	6.08	-124.86	762.40	-401.40	960.68	945.52	15.16	63.359				
4,200.00	4,183.57	4,169.57	4,183.57	11.71	6.19	-125.53	762.40	-401.40	968.76	953.24	15.51	62.444				
4,300.00	4,282.60	4,268.60	4,282.60	12.09	6.30	-126.19	762.40	-401.40	976.96	961.08	15.88	61.535				
4,365.62	4,347.58	4,333.58	4,347.58	12.33	6.38	-126.62	762.40	-401.40	982.42	966.32	16.09	61.041				
4,400.00	4,381.64	4,367.64	4,381.64	12.45	6.42	-126.85	762.40	-401.40	985.23	969.03	16.20	60.814				
4,500.00	4,480.86	4,466.86	4,480.86	12.82	6.54	-127.49	762.40	-401.40	992.80	976.22	16.57	59.901				
4,600.00	4,580.28	4,566.28	4,580.28	13.19	6.65	-128.03	762.40	-401.40	999.39	982.45	16.94	58.988 SF				

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9199-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 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)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning				
0.00	0.00	1.00	0.00	0.00	0.01	72.95	61.20	199.60	208.77	208.77	2.00	104.498					
100.00	100.00	101.00	100.00	0.77	0.77	72.95	61.20	199.60	208.77	206.77	3.32	62.960					
200.00	200.00	201.00	200.00	1.44	1.44	72.95	61.20	199.60	208.77	205.46	4.20	49.720					
300.00	300.00	301.00	300.00	1.88	1.89	72.95	61.20	199.60	208.77	204.57	4.92	42.476					
400.00	400.00	401.00	400.00	2.25	2.25	72.95	61.20	199.60	208.77	203.86	5.54	37.713					
500.00	500.00	501.00	500.00	2.56	2.56	72.95	61.20	199.60	208.77	203.24	6.09	34.265					
600.00	600.00	601.00	600.00	2.84	2.85	72.95	61.20	199.60	208.77	202.68	6.60	31.615					
700.00	700.00	701.00	700.00	3.10	3.11	72.95	61.20	199.60	208.77	202.17	7.08	29.492					
800.00	800.00	801.00	800.00	3.34	3.35	72.95	61.20	199.60	208.77	201.69	7.53	27.741					
900.00	900.00	901.00	900.00	3.57	3.57	72.95	61.20	199.60	208.77	201.25	7.95	26.262					
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	72.95	61.20	199.60	208.77	200.82	8.35	24.992					
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	72.95	61.20	199.60	208.77	200.42	8.74	23.883					
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	72.95	61.20	199.60	208.77	200.03	9.11	22.906					
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	72.95	61.20	199.60	208.77	199.66	9.48	22.034					
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	72.95	61.20	199.60	208.77	199.30	9.82	21.250					
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	72.95	61.20	199.60	208.77	198.95	10.16	20.540					
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	72.95	61.20	199.60	208.77	198.61	10.49	19.893					
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	72.95	61.20	199.60	208.77	198.28	10.82	19.300					
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	72.95	61.20	199.60	208.77	197.95	11.13	18.753					
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	72.95	61.20	199.60	208.77	197.64	11.34	18.415 CC					
1,966.33	1,966.33	1,967.33	1,966.33	5.50	5.50	72.95	61.20	199.60	208.77	197.43	11.44	18.250 ES					
2,000.00	2,000.00	2,000.00	1,999.00	5.56	5.56	72.95	61.20	199.60	208.77	197.33	11.79	17.779					
2,100.00	2,099.99	2,094.16	2,093.14	5.70	5.77	18.06	61.49	201.12	209.59	197.80	12.12	17.490					
2,200.00	2,199.96	2,187.31	2,186.18	5.84	5.98	18.39	62.36	205.61	211.99	199.87	12.47	17.319					
2,300.00	2,299.86	2,280.29	2,278.85	6.00	6.21	18.92	63.80	213.05	215.98	203.51	12.84	17.252					
2,400.00	2,399.68	2,373.04	2,370.98	6.17	6.45	19.62	65.79	223.41	221.58	208.74	13.24	17.276					
2,500.00	2,499.37	2,465.46	2,462.42	6.36	6.71	20.47	68.35	236.65	228.80	215.56	13.64	17.390					
2,600.00	2,598.89	2,557.59	2,553.07	6.59	6.94	4.64	71.45	252.71	237.17	223.53	14.12	17.358					
2,700.00	2,698.16	2,655.82	2,649.34	6.85	7.17	-5.78	75.14	271.89	245.08	230.96	14.19	17.346					
2,717.41	2,715.41	2,673.20	2,666.37	6.88	7.21	-7.22	75.80	275.29	246.20	232.01	14.63	17.177					
2,800.00	2,797.19	2,755.62	2,747.14	7.08	7.44	-7.39	78.91	291.43	251.32	236.69	15.19	16.949					
2,900.00	2,896.22	2,855.42	2,844.94	7.34	7.72	-7.58	82.68	310.97	257.52	242.33	15.79	16.703					
3,000.00	2,995.25	2,955.23	2,942.74	7.62	8.02	-7.77	86.45	330.51	263.73	247.94	16.41	16.447					
3,100.00	3,094.27	3,055.03	3,040.54	7.91	8.34	-7.94	90.22	350.04	269.93	253.52	17.06	16.185					
3,200.00	3,193.30	3,154.84	3,138.34	8.21	8.68	-8.11	93.99	369.58	276.14	259.08	17.73	15.923					
3,300.00	3,292.33	3,254.64	3,236.14	8.53	9.02	-8.27	97.76	389.12	282.36	264.62	18.42	15.663					
3,400.00	3,391.35	3,354.44	3,333.94	8.85	9.38	-8.43	101.53	408.66	288.57	270.15	19.13	15.408					
3,500.00	3,490.38	3,454.25	3,431.74	9.19	9.74	-8.58	105.30	428.20	294.79	275.65	19.86	15.159					
3,600.00	3,589.41	3,554.05	3,529.54	9.53	10.12	-8.72	109.06	447.74	301.00	281.15	20.59	14.918					
3,700.00	3,688.43	3,653.86	3,627.34	9.88	10.50	-8.86	112.83	467.27	307.22	286.63	21.34	14.685					
3,800.00	3,787.46	3,753.66	3,725.14	10.24	10.89	-8.99	116.60	486.81	313.44	292.10	22.11	14.461					
3,900.00	3,886.49	3,853.46	3,822.94	10.60	11.28	-9.11	120.37	506.35	319.67	297.56	22.88	14.245					
4,000.00	3,985.52	3,953.27	3,920.74	10.97	11.68	-9.23	124.14	525.89	325.89	303.02	23.66	14.039					
4,100.00	4,084.54	4,053.07	4,018.54	11.34	12.09	-9.35	127.91	545.43	332.12	308.46	24.44	13.841					
4,200.00	4,183.57	4,152.87	4,116.34	11.71	12.50	-9.46	131.68	564.96	338.35	313.90	25.24	13.652					
4,300.00	4,282.60	4,252.68	4,214.14	12.09	12.91	-9.57	135.45	584.50	344.57	319.33	25.75	13.541					
4,365.62	4,347.58	4,318.17	4,278.32	12.33	13.18	-9.64	137.92	597.32	348.66	322.91	26.01	13.490					
4,400.00	4,381.64	4,352.48	4,311.94	12.45	13.33	-9.67	139.22	604.04	350.91	324.89	26.81	13.374					
4,500.00	4,480.86	4,452.18	4,409.64	12.82	13.75	-9.75	142.98	623.56	358.58	331.77	27.60	13.330 SF					
4,600.00	4,580.28	4,551.73	4,507.20	13.19	14.17	-9.78	146.74	643.05	367.98	340.37	28.39	13.353					
4,700.00	4,679.87	4,651.11	4,604.58	13.55	14.60	-9.76	150.49	662.50	379.08	350.69							

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9199-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)							
4,800.00	4,779.61	4,750.29	4,701.76	13.90	15.02	-9.71	154.24	681.92	391.89	362.73	29.16	13.438					
4,900.00	4,879.45	4,849.22	4,798.71	14.23	15.45	-9.62	157.97	701.29	406.41	376.50	29.91	13.586					
5,000.00	4,979.38	4,953.75	4,901.24	14.53	15.89	-9.50	161.82	721.21	422.12	391.44	30.68	13.759					
5,100.00	5,079.36	5,060.49	5,006.31	14.80	16.34	-9.37	165.39	739.72	437.75	406.33	31.42	13.930					
5,165.64	5,145.00	5,130.75	5,075.65	14.88	16.64	-9.30	167.53	750.85	447.95	416.12	31.82	14.077					
5,200.00	5,179.36	5,167.60	5,112.07	14.88	16.79	74.65	168.60	756.35	453.16	421.17	31.99	14.165					
5,300.00	5,279.36	5,275.24	5,218.65	14.94	17.23	74.80	171.44	771.11	467.08	434.57	32.51	14.368					
5,400.00	5,379.36	5,383.41	5,326.03	14.99	17.66	74.92	173.92	783.96	479.15	446.14	33.01	14.516					
5,500.00	5,479.36	5,492.05	5,434.10	15.04	18.08	75.01	176.02	794.86	489.34	455.85	33.49	14.613					
5,600.00	5,579.36	5,601.07	5,542.74	15.09	18.49	75.08	177.74	803.77	497.64	463.70	33.94	14.662					
5,700.00	5,679.36	5,710.40	5,651.84	15.15	18.87	75.14	179.07	810.67	504.05	469.69	34.36	14.668					
5,800.00	5,779.36	5,819.96	5,761.28	15.20	19.22	75.18	180.01	815.53	508.56	473.81	34.75	14.637					
5,900.00	5,879.36	5,929.67	5,870.95	15.25	19.53	75.20	180.55	818.34	511.16	476.09	35.07	14.575					
6,000.00	5,979.36	6,038.08	5,979.36	15.31	19.73	75.21	180.70	819.10	511.87	476.59	35.27	14.511					
6,100.00	6,079.36	6,138.08	6,079.36	15.36	19.76	75.21	180.70	819.10	511.87	476.51	35.36	14.477					
6,200.00	6,179.36	6,238.08	6,179.36	15.42	19.80	75.21	180.70	819.10	511.87	476.42	35.45	14.440					
6,300.00	6,279.36	6,338.08	6,279.36	15.47	19.84	75.21	180.70	819.10	511.87	476.33	35.54	14.403					
6,400.00	6,379.36	6,438.08	6,379.36	15.52	19.88	75.21	180.70	819.10	511.87	476.24	35.63	14.366					
6,500.00	6,479.36	6,538.08	6,479.36	15.58	19.92	75.21	180.70	819.10	511.87	476.14	35.72	14.329					
6,600.00	6,579.36	6,638.08	6,579.36	15.63	19.96	75.21	180.70	819.10	511.87	476.05	35.82	14.291					
6,700.00	6,679.36	6,738.08	6,679.36	15.69	20.00	75.21	180.70	819.10	511.87	475.96	35.91	14.254					
6,800.00	6,779.36	6,838.08	6,779.36	15.75	20.05	75.21	180.70	819.10	511.87	475.86	36.00	14.217					
6,900.00	6,879.36	6,938.08	6,879.36	15.80	20.09	75.21	180.70	819.10	511.87	475.77	36.10	14.180					
7,000.00	6,979.36	7,038.08	6,979.36	15.86	20.13	75.21	180.70	819.10	511.87	475.68	36.19	14.143					
7,100.00	7,079.36	7,138.08	7,079.36	15.91	20.17	75.21	180.70	819.10	511.87	475.58	36.29	14.106					
7,200.00	7,179.36	7,238.08	7,179.36	15.97	20.21	75.21	180.70	819.10	511.87	475.49	36.38	14.069					
7,300.00	7,279.36	7,338.08	7,279.36	16.03	20.26	75.21	180.70	819.10	511.87	475.39	36.48	14.032					
7,400.00	7,379.36	7,438.08	7,379.36	16.08	20.30	75.21	180.70	819.10	511.87	475.29	36.58	13.995					
7,500.00	7,479.36	7,538.08	7,479.36	16.14	20.34	75.21	180.70	819.10	511.87	475.20	36.67	13.958					
7,600.00	7,579.36	7,638.08	7,579.36	16.20	20.39	75.21	180.70	819.10	511.87	475.10	36.77	13.921					
7,700.00	7,679.36	7,738.08	7,679.36	16.26	20.43	75.21	180.70	819.10	511.87	475.00	36.87	13.884					
7,800.00	7,779.36	7,838.08	7,779.36	16.31	20.47	75.21	180.70	819.10	511.87	474.90	36.97	13.847					
7,900.00	7,879.36	7,938.08	7,879.36	16.37	20.52	75.21	180.70	819.10	511.87	474.80	37.06	13.810					
8,000.00	7,979.36	8,038.08	7,979.36	16.43	20.56	75.21	180.70	819.10	511.87	474.70	37.16	13.773					
8,100.00	8,079.36	8,138.08	8,079.36	16.49	20.61	75.21	180.70	819.10	511.87	474.60	37.26	13.736					
8,200.00	8,179.36	8,238.08	8,179.36	16.55	20.65	75.21	180.70	819.10	511.87	474.50	37.36	13.700					
8,300.00	8,279.36	8,338.08	8,279.36	16.61	20.70	75.21	180.70	819.10	511.87	474.40	37.46	13.663					
8,400.00	8,379.36	8,438.08	8,379.36	16.67	20.74	75.21	180.70	819.10	511.87	474.30	37.56	13.626					
8,500.00	8,479.36	8,538.08	8,479.36	16.73	20.79	75.21	180.70	819.10	511.87	474.20	37.67	13.590					
8,600.00	8,579.36	8,638.08	8,579.36	16.78	20.83	75.21	180.70	819.10	511.87	474.10	37.77	13.553					
8,700.00	8,679.36	8,738.08	8,679.36	16.84	20.88	75.21	180.70	819.10	511.87	474.00	37.87	13.516					
8,800.00	8,779.36	8,838.08	8,779.36	16.90	20.92	75.21	180.70	819.10	511.87	473.89	37.97	13.480					
8,900.00	8,879.36	8,938.08	8,879.36	16.96	20.97	75.21	180.70	819.10	511.87	473.79	38.08	13.443					
9,000.00	8,979.36	9,038.08	8,979.36	17.02	21.02	75.21	180.70	819.10	511.87	473.69	38.18	13.407					
9,100.00	9,079.36	9,138.08	9,079.36	17.08	21.06	75.21	180.70	819.10	511.87	473.58	38.28	13.371					
9,110.00	9,089.36	9,148.08	9,089.36	17.09	21.07	75.21	180.70	819.10	511.87	473.57	38.29	13.367					
9,200.00	9,179.36	9,229.72	9,170.98	17.14	21.09	75.10	181.67	819.10	512.18	473.77	38.42	13.332					
9,300.00	9,279.36	9,306.51	9,246.89	17.21	21.10	73.92	192.69	819.09	516.07	477.48	38.59	13.375					
9,400.00	9,379.36	9,375.00	9,312.34	17.27	21.11	71.80	212.68	819.06	525.21	486.48	38.73	13.561					
9,500.00	9,479.36	9,442.14	9,373.09	17.33	21.12	68.88	241.16	819.03	541.01	502.22	38.79	13.949					
9,600.00	9,579.36	9,500.00	9,421.79	17.39	21.13	65.80	272.32	818.99	564.87	526.09	38.78	14.567					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP2													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9199-r.5 MWD+IFR1+SAG+FDIR													<b>Offset Well Error:</b> 0.00 usft
<b>Reference:</b> 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9199-r.5 MWD+IFR1+SAG+FDIR													
<b>Rule Assigned:</b>													
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Semi Major Axis Reference Offset (usft)		Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft) +E/-W (usft)		Distance Between Centres (usft) Between Ellipses (usft)		No-Go Distance (usft)	Separation Factor	Warning
9,700.00	9,679.36	9,550.00	9,460.58	17.45	21.14	62.84	303.84	818.96	597.56	558.85	38.71	15.435	
9,800.00	9,779.36	9,586.22	9,486.51	17.51	21.15	60.57	329.11	818.93	639.07	600.41	38.67	16.528	
9,900.00	9,879.36	9,625.00	9,512.07	17.57	21.17	58.07	358.26	818.89	688.95	650.36	38.59	17.854	
10,000.00	9,979.36	9,650.00	9,527.25	17.63	21.18	56.44	378.12	818.87	746.16	707.57	38.59	19.333	
10,100.00	10,079.36	9,675.00	9,541.38	17.70	21.19	54.81	398.74	818.84	809.76	771.13	38.63	20.964	
10,200.00	10,179.36	9,700.00	9,554.41	17.76	21.20	53.20	420.07	818.82	878.73	840.04	38.69	22.710	
10,300.00	10,279.36	9,715.25	9,561.80	17.82	21.21	52.22	433.41	818.80	952.12	913.28	38.84	24.513	
10,318.18	10,297.54	9,725.00	9,566.30	17.83	21.22	51.60	442.06	818.79	965.94	927.10	38.84	24.871	
10,325.00	10,304.36	9,725.00	9,566.30	17.83	21.22	50.93	442.06	818.79	971.09	932.15	38.94	24.936	
10,350.00	10,329.34	9,725.00	9,566.30	17.83	21.22	48.35	442.06	818.79	989.81	950.81	39.00	25.378	

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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	1.00	0.00	0.00	0.01	78.34	41.20	199.70	203.91	203.91	2.00	102.063					
100.00	100.00	101.00	100.00	0.77	0.77	78.34	41.20	199.70	203.91	201.91	3.32	61.492					
200.00	200.00	201.00	200.00	1.44	1.44	78.34	41.20	199.70	203.91	200.59	4.20	48.561					
300.00	300.00	301.00	300.00	1.88	1.89	78.34	41.20	199.70	203.91	199.71	4.92	41.486					
400.00	400.00	401.00	400.00	2.25	2.25	78.34	41.20	199.70	203.91	198.99	5.54	36.834					
500.00	500.00	501.00	500.00	2.56	2.56	78.34	41.20	199.70	203.91	198.37	6.09	33.467					
600.00	600.00	601.00	600.00	2.84	2.85	78.34	41.20	199.70	203.91	197.81	6.60	30.878					
700.00	700.00	701.00	700.00	3.10	3.11	78.34	41.20	199.70	203.91	197.30	7.08	28.805					
800.00	800.00	801.00	800.00	3.34	3.35	78.34	41.20	199.70	203.91	196.83	7.53	27.094					
900.00	900.00	901.00	900.00	3.57	3.57	78.34	41.20	199.70	203.91	196.38	7.95	25.650					
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	78.34	41.20	199.70	203.91	195.96	8.35	24.409					
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	78.34	41.20	199.70	203.91	195.55	8.74	23.327					
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	78.34	41.20	199.70	203.91	195.16	9.11	22.372					
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	78.34	41.20	199.70	203.91	194.79	9.48	21.520					
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	78.34	41.20	199.70	203.91	194.43	9.82	20.755					
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	78.34	41.20	199.70	203.91	194.08	10.16	20.061					
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	78.34	41.20	199.70	203.91	193.74	10.49	19.429					
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	78.34	41.20	199.70	203.91	193.41	10.82	18.850					
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	78.34	41.20	199.70	203.91	193.09	11.13	18.316					
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	78.34	41.20	199.70	203.91	192.77	11.44	17.823					
2,000.00	2,000.00	2,001.00	2,000.00	5.56	5.56	78.34	41.20	199.70	203.91	192.46	11.72	17.327					
2,100.00	2,099.99	2,100.99	2,099.99	5.70	5.70	23.44	41.20	199.70	203.10	191.38	11.98	16.847					
2,200.00	2,199.96	2,200.97	2,199.97	5.84	5.83	23.75	41.20	199.70	200.71	188.72	12.26	16.014					
2,300.00	2,299.86	2,302.19	2,301.17	6.00	6.04	23.76	42.89	199.02	196.38	184.11	12.55	15.120					
2,400.00	2,399.68	2,403.16	2,401.99	6.17	6.27	22.94	47.88	197.00	189.82	177.26	12.86	14.088					
2,500.00	2,499.37	2,503.65	2,502.08	6.36	6.50	21.17	56.10	193.67	181.16	168.30	13.14	12.967					
2,600.00	2,598.89	2,602.93	2,600.66	6.59	6.62	1.15	66.98	189.28	170.33	157.20	13.53	11.666					
2,700.00	2,698.16	2,701.21	2,698.21	6.85	6.82	-14.43	78.09	184.78	157.84	144.31	13.58	11.454					
2,717.41	2,715.41	2,718.25	2,715.13	6.88	6.86	-16.89	80.01	184.00	155.56	141.98	13.89	10.459					
2,800.00	2,797.19	2,799.04	2,795.31	7.08	7.04	-22.09	89.15	180.31	145.31	131.41	14.29	9.435					
2,900.00	2,896.22	2,896.86	2,892.41	7.34	7.27	-29.34	100.20	175.84	134.78	120.50	14.69	8.617					
3,000.00	2,995.25	2,995.36	2,990.24	7.62	7.53	-37.43	110.79	171.56	126.58	111.89	15.07	7.983					
3,100.00	3,094.27	3,094.45	3,088.84	7.91	7.79	-45.77	119.88	167.88	120.42	105.33	15.47	7.498					
3,200.00	3,193.30	3,193.99	3,188.04	8.21	8.05	-54.16	127.41	164.84	116.01	100.54	15.85	7.130					
3,300.00	3,292.33	3,293.91	3,287.75	8.53	8.31	-62.45	133.37	162.43	113.01	97.16	16.22	6.847					
3,400.00	3,391.35	3,394.16	3,387.90	8.85	8.57	-70.52	137.73	160.66	111.06	94.84	16.58	6.623					
3,500.00	3,490.38	3,494.68	3,488.37	9.19	8.81	-78.31	140.47	159.56	109.82	93.23	16.92	6.442					
3,600.00	3,589.41	3,595.41	3,589.10	9.53	9.02	-85.83	141.58	159.11	108.97	92.05	17.06	6.373 CC, ES					
3,657.06	3,645.91	3,652.23	3,645.91	9.73	9.08	-90.00	141.60	159.10	108.70	91.64	17.17	6.341					
3,700.00	3,688.43	3,694.75	3,688.43	9.88	9.12	-93.12	141.60	159.10	108.87	91.70	17.43	6.341 SF					
3,800.00	3,787.46	3,793.78	3,787.46	10.24	9.21	-100.27	141.60	159.10	110.51	93.08	17.73	6.422					
3,900.00	3,886.49	3,892.81	3,886.49	10.60	9.30	-107.12	141.60	159.10	113.84	96.11	18.08	6.567					
4,000.00	3,985.52	3,991.83	3,985.52	10.97	9.39	-113.50	141.60	159.10	118.72	100.64	18.49	6.760					
4,100.00	4,084.54	4,090.86	4,084.54	11.34	9.48	-119.32	141.60	159.10	124.97	106.48	18.94	6.989					
4,200.00	4,183.57	4,189.89	4,183.57	11.71	9.57	-124.54	141.60	159.10	132.39	113.44	19.44	7.243					
4,300.00	4,282.60	4,288.91	4,282.60	12.09	9.66	-129.19	141.60	159.10	140.79	121.36	19.76	7.427					
4,365.62	4,347.58	4,353.89	4,347.58	12.33	9.72	-131.94	141.60	159.10	146.77	127.01	19.93	7.525					
4,400.00	4,381.64	4,387.95	4,381.64	12.45	9.75	-133.28	141.60	159.10	149.96	130.03	20.45	7.764					
4,500.00	4,480.86	4,487.17	4,480.86	12.82	9.84	-136.61	141.60	159.10	158.79	138.34	20.96	7.955					
4,600.00	4,580.28	4,586.60	4,580.28	13.19	9.93	-139.18	141.60	159.10	166.77	145.81	21.45	8.095					
4,700.00	4,679.87	4,686.19	4,679.87	13.55	10.02	-141.16	141.60	159.10	173.69	152.23							

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2														Offset Site Error: 0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error: 0.00 usft
Reference: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR														
Rule Assigned: Distance														
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)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
4,800.00	4,779.61	4,785.92	4,779.61	13.90	10.11	-142.65	141.60	159.10	179.40	157.48	21.92	8.184		
4,900.00	4,879.45	4,885.77	4,879.45	14.23	10.20	-143.72	141.60	159.10	183.81	161.45	22.36	8.222		
5,000.00	4,979.38	4,985.70	4,979.38	14.53	10.29	-144.42	141.60	159.10	186.86	164.10	22.76	8.212		
5,100.00	5,079.36	5,085.68	5,079.36	14.80	10.38	-144.78	141.60	159.10	188.50	165.40	23.10	8.159		
5,165.64	5,145.00	5,151.32	5,145.00	14.88	10.44	-60.98	141.60	159.10	188.81	165.57	23.24	8.125		
5,200.00	5,179.36	5,185.68	5,179.36	14.88	10.47	-60.98	141.60	159.10	188.81	165.54	23.27	8.113		
5,300.00	5,279.36	5,285.68	5,279.36	14.94	10.56	-60.98	141.60	159.10	188.81	165.39	23.42	8.063		
5,400.00	5,379.36	5,385.68	5,379.36	14.99	10.65	-60.98	141.60	159.10	188.81	165.25	23.56	8.013		
5,500.00	5,479.36	5,485.68	5,479.36	15.04	10.74	-60.98	141.60	159.10	188.81	165.10	23.71	7.964		
5,600.00	5,579.36	5,585.68	5,579.36	15.09	10.82	-60.98	141.60	159.10	188.81	164.95	23.86	7.915		
5,700.00	5,679.36	5,685.68	5,679.36	15.15	10.91	-60.98	141.60	159.10	188.81	164.81	24.00	7.866		
5,800.00	5,779.36	5,785.68	5,779.36	15.20	11.00	-60.98	141.60	159.10	188.81	164.66	24.15	7.819		
5,900.00	5,879.36	5,885.68	5,879.36	15.25	11.09	-60.98	141.60	159.10	188.81	164.51	24.29	7.772		
6,000.00	5,979.36	5,985.68	5,979.36	15.31	11.18	-60.98	141.60	159.10	188.81	164.37	24.44	7.725		
6,100.00	6,079.36	6,085.68	6,079.36	15.36	11.27	-60.98	141.60	159.10	188.81	164.22	24.59	7.679		
6,200.00	6,179.36	6,185.68	6,179.36	15.42	11.35	-60.98	141.60	159.10	188.81	164.07	24.74	7.633		
6,300.00	6,279.36	6,285.68	6,279.36	15.47	11.44	-60.98	141.60	159.10	188.81	163.92	24.88	7.588		
6,400.00	6,379.36	6,385.68	6,379.36	15.52	11.53	-60.98	141.60	159.10	188.81	163.78	25.03	7.543		
6,500.00	6,479.36	6,485.68	6,479.36	15.58	11.62	-60.98	141.60	159.10	188.81	163.63	25.18	7.499		
6,600.00	6,579.36	6,585.68	6,579.36	15.63	11.71	-60.98	141.60	159.10	188.81	163.48	25.33	7.455		
6,700.00	6,679.36	6,685.68	6,679.36	15.69	11.79	-60.98	141.60	159.10	188.81	163.33	25.48	7.411		
6,800.00	6,779.36	6,785.68	6,779.36	15.75	11.88	-60.98	141.60	159.10	188.81	163.18	25.62	7.369		
6,900.00	6,879.36	6,885.68	6,879.36	15.80	11.97	-60.98	141.60	159.10	188.81	163.04	25.77	7.326		
7,000.00	6,979.36	6,985.68	6,979.36	15.86	12.06	-60.98	141.60	159.10	188.81	162.89	25.92	7.284		
7,100.00	7,079.36	7,085.68	7,079.36	15.91	12.14	-60.98	141.60	159.10	188.81	162.74	26.07	7.243		
7,200.00	7,179.36	7,185.68	7,179.36	15.97	12.23	-60.98	141.60	159.10	188.81	162.59	26.22	7.201		
7,300.00	7,279.36	7,285.68	7,279.36	16.03	12.32	-60.98	141.60	159.10	188.81	162.44	26.37	7.161		
7,400.00	7,379.36	7,385.68	7,379.36	16.08	12.41	-60.98	141.60	159.10	188.81	162.29	26.52	7.120		
7,500.00	7,479.36	7,485.68	7,479.36	16.14	12.49	-60.98	141.60	159.10	188.81	162.14	26.67	7.081		
7,600.00	7,579.36	7,585.68	7,579.36	16.20	12.58	-60.98	141.60	159.10	188.81	161.99	26.82	7.041		
7,700.00	7,679.36	7,685.68	7,679.36	16.26	12.67	-60.98	141.60	159.10	188.81	161.84	26.96	7.002		
7,800.00	7,779.36	7,785.68	7,779.36	16.31	12.75	-60.98	141.60	159.10	188.81	161.69	27.11	6.963		
7,900.00	7,879.36	7,885.68	7,879.36	16.37	12.84	-60.98	141.60	159.10	188.81	161.54	27.26	6.925		
8,000.00	7,979.36	7,985.68	7,979.36	16.43	12.93	-60.98	141.60	159.10	188.81	161.39	27.41	6.887		
8,100.00	8,079.36	8,085.68	8,079.36	16.49	13.01	-60.98	141.60	159.10	188.81	161.24	27.56	6.850		
8,200.00	8,179.36	8,185.68	8,179.36	16.55	13.10	-60.98	141.60	159.10	188.81	161.09	27.71	6.813		
8,300.00	8,279.36	8,285.68	8,279.36	16.61	13.19	-60.98	141.60	159.10	188.81	160.94	27.86	6.776		
8,400.00	8,379.36	8,385.68	8,379.36	16.67	13.27	-60.98	141.60	159.10	188.81	160.79	28.02	6.739		
8,500.00	8,479.36	8,485.68	8,479.36	16.73	13.36	-60.98	141.60	159.10	188.81	160.64	28.17	6.703		
8,600.00	8,579.36	8,585.68	8,579.36	16.78	13.45	-60.98	141.60	159.10	188.81	160.49	28.32	6.668		
8,700.00	8,679.36	8,685.68	8,679.36	16.84	13.53	-60.98	141.60	159.10	188.81	160.34	28.47	6.632		
8,800.00	8,779.36	8,785.68	8,779.36	16.90	13.62	-60.98	141.60	159.10	188.81	160.19	28.62	6.597		
8,900.00	8,879.36	8,885.68	8,879.36	16.96	13.70	-60.98	141.60	159.10	188.81	160.04	28.77	6.563		
9,000.00	8,979.36	8,985.68	8,979.36	17.02	13.79	-60.98	141.60	159.10	188.81	159.89	28.92	6.529		
9,100.00	9,079.36	9,085.68	9,079.36	17.08	13.88	-60.98	141.60	159.10	188.81	159.74	29.07	6.495		
9,200.00	9,179.36	9,185.68	9,179.36	17.14	13.96	-60.98	141.60	159.10	188.81	159.59	29.22	6.461		
9,300.00	9,279.36	9,285.68	9,279.36	17.21	14.05	-60.98	141.60	159.10	188.81	159.43	29.37	6.428		
9,310.00	9,289.36	9,295.68	9,289.36	17.21	14.06	-60.98	141.60	159.10	188.81	159.42	29.39	6.424		
9,400.00	9,379.36	9,375.00	9,368.58	17.27	14.10	-60.23	144.44	159.10	190.51	161.08	29.43	6.473		
9,500.00	9,479.36	9,455.87	9,447.84	17.33	14.14	-56.33	160.01	159.08	200.90	171.52	29.38	6.838		
9,600.00	9,579.36	9,529.38	9,516.68	17.39	14.18	-50.62	185.57	159.05	222.67	193.18	29.49	7.551		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning				
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor					
9,700.00	9,679.36	9,593.79	9,573.16	17.45	14.22	-44.79	216.43	159.01	257.42	227.44	29.97	8.589					
9,800.00	9,779.36	9,650.00	9,618.68	17.51	14.26	-39.65	249.36	158.97	304.73	273.97	30.76	9.907					
9,900.00	9,879.36	9,700.00	9,655.67	17.57	14.30	-35.35	282.97	158.94	362.80	331.14	31.66	11.459					
10,000.00	9,979.36	9,734.05	9,678.75	17.63	14.33	-32.65	307.98	158.91	429.23	396.48	32.75	13.107					
10,100.00	10,079.36	9,766.75	9,699.20	17.70	14.35	-30.25	333.50	158.88	502.22	468.55	33.67	14.916					
10,200.00	10,179.36	9,800.00	9,718.14	17.76	14.37	-28.01	360.82	158.84	580.24	545.81	34.43	16.852					
10,300.00	10,279.36	9,825.00	9,731.10	17.82	14.39	-26.47	382.19	158.82	662.03	626.85	35.19	18.816					
10,318.18	10,297.54	9,825.00	9,731.10	17.83	14.39	-26.47	382.19	158.82	677.16	641.80	35.36	19.150					
10,325.00	10,304.36	9,825.00	9,731.10	17.83	14.39	-25.85	382.19	158.82	682.86	647.47	35.38	19.300					
10,350.00	10,329.34	9,825.00	9,731.10	17.83	14.39	-24.01	382.19	158.82	703.48	667.86	35.62	19.752					
10,375.00	10,354.23	9,834.48	9,735.73	17.83	14.40	-22.00	390.47	158.81	723.55	687.80	35.75	20.240					
10,400.00	10,378.96	9,840.45	9,738.55	17.84	14.40	-20.42	395.73	158.80	743.11	707.19	35.92	20.687					
10,425.00	10,403.47	9,850.00	9,742.93	17.84	14.41	-18.95	404.21	158.79	762.13	726.07	36.06	21.133					
10,450.00	10,427.69	9,850.00	9,742.93	17.84	14.41	-17.92	404.21	158.79	780.53	744.24	36.30	21.504					
10,475.00	10,451.56	9,859.55	9,747.14	17.85	14.41	-16.80	412.78	158.78	798.31	761.86	36.44	21.906					
10,500.00	10,475.00	9,866.27	9,750.00	17.85	14.42	-15.87	418.86	158.78	815.45	778.84	36.61	22.272					
10,525.00	10,497.95	9,875.00	9,753.59	17.85	14.43	-15.03	426.82	158.77	831.94	795.17	36.77	22.627					
10,550.00	10,520.36	9,875.00	9,753.59	17.86	14.43	-14.40	426.82	158.77	847.78	810.79	36.99	22.918					
10,575.00	10,542.15	9,887.30	9,758.40	17.86	14.43	-13.69	438.14	158.75	862.83	825.72	37.12	23.246					
10,600.00	10,563.28	9,900.00	9,763.05	17.87	14.44	-13.07	449.96	158.74	877.25	840.02	37.24	23.557					
10,625.00	10,583.67	9,900.00	9,763.05	17.87	14.44	-12.64	449.96	158.74	890.85	853.40	37.45	23.786					
10,650.00	10,603.29	9,909.41	9,766.30	17.88	14.45	-12.17	458.80	158.73	903.73	866.13	37.60	24.038					
10,675.00	10,622.06	9,925.00	9,771.29	17.89	14.46	-11.71	473.56	158.71	915.94	878.25	37.70	24.299					
10,700.00	10,639.95	9,925.00	9,771.29	17.89	14.46	-11.41	473.56	158.71	927.17	889.28	37.89	24.467					
10,725.00	10,656.89	9,925.00	9,771.29	17.90	14.46	-11.14	473.56	158.71	937.79	899.71	38.08	24.624					
10,750.00	10,672.85	9,940.17	9,775.68	17.92	14.47	-10.82	488.08	158.70	947.44	909.26	38.18	24.815					
10,775.00	10,687.78	9,950.00	9,778.29	17.93	14.47	-10.56	497.56	158.68	956.36	918.06	38.30	24.968					
10,800.00	10,701.65	9,950.00	9,778.29	17.94	14.47	-10.38	497.56	158.68	964.50	926.03	38.47	25.069					
10,825.00	10,714.40	9,963.92	9,781.63	17.96	14.48	-10.17	511.07	158.67	971.70	933.13	38.57	25.194					
10,850.00	10,726.02	9,975.00	9,784.01	17.98	14.48	-10.00	521.89	158.66	978.13	939.46	38.67	25.292					
10,875.00	10,736.45	9,975.00	9,784.01	18.00	14.48	-9.88	521.89	158.66	983.72	944.89	38.82	25.339					
10,900.00	10,745.69	9,988.06	9,786.49	18.02	14.49	-9.76	534.71	158.64	988.39	949.48	38.91	25.402					
10,925.00	10,753.70	10,000.00	9,788.46	18.04	14.50	-9.66	546.49	158.63	992.27	953.27	39.00	25.444					
10,950.00	10,760.45	10,000.00	9,788.46	18.07	14.50	-9.60	546.49	158.63	995.26	956.14	39.12	25.439					
10,975.00	10,765.94	10,012.44	9,790.19	18.10	14.50	-9.54	558.81	158.61	997.36	958.16	39.20	25.443					
11,000.00	10,770.14	10,025.00	9,791.61	18.13	14.51	-9.51	571.29	158.60	998.64	959.37	39.27	25.429					
11,025.00	10,773.05	10,025.00	9,791.61	18.17	14.51	-9.51	571.29	158.60	999.02	959.65	39.37	25.373					
11,050.00	10,774.66	10,036.92	9,792.65	18.21	14.52	-9.52	583.16	158.58	998.52	959.08	39.44	25.319					
11,066.99	10,775.00	10,050.00	9,793.46	18.24	14.52	-9.54	596.22	158.57	997.78	958.32	39.46	25.284					
11,100.00	10,775.08	10,050.00	9,793.46	18.29	14.52	-9.54	596.22	158.57	996.09	956.52	39.57	25.176					
11,200.00	10,775.33	10,116.72	9,794.18	18.50	14.56	-9.55	662.93	158.49	994.94	955.20	39.73	25.040					
11,300.00	10,775.58	10,216.72	9,794.57	18.75	14.66	-9.55	762.93	158.38	994.79	954.92	39.87	24.951					
11,400.00	10,775.83	10,316.72	9,794.96	19.04	14.85	-9.55	862.93	158.26	994.65	954.63	40.03	24.849					
11,500.00	10,776.08	10,416.72	9,795.35	19.36	15.16	-9.55	962.92	158.14	994.51	954.31	40.21	24.735					
11,600.00	10,776.32	10,516.72	9,795.74	19.72	15.55	-9.55	1,062.92	158.03	994.37	953.97	40.41	24.609					
11,700.00	10,776.57	10,616.72	9,796.13	20.10	15.99	-9.55	1,162.92	157.91	994.23	953.61	40.63	24.472					
11,800.00	10,776.82	10,716.72	9,796.52	20.52	16.48	-9.55	1,262.92	157.79	994.09	953.22	40.87	24.325					
11,900.00	10,777.07	10,816.72	9,796.91	20.96	17.00	-9.56	1,362.92	157.68	993.95	952.82	41.13	24.168					
12,000.00	10,777.32	10,916.72	9,797.31	21.43	17.54	-9.56	1,462.92	157.56	993.81	952.40	41.41	24.001					
12,100.00	10,777.56	11,016.72	9,797.70	21.92	18.12	-9.56	1,562.92	157.44	993.67	951.97	41.70	23.826					
12,200.00	10,777.81	11,116.72	9,798.09	22.44	18.71	-9.56	1,662.92	157.33	993.53	951.51	42.02	23.643					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning				
12,300.00	10,778.06	11,216.72	9,798.48	22.97	19.33	-9.56	1,762.92	157.21	993.39	951.03	42.36	23.453					
12,400.00	10,778.31	11,316.72	9,798.87	23.53	19.96	-9.56	1,862.92	157.09	993.25	950.54	42.71	23.256					
12,500.00	10,778.56	11,416.72	9,799.26	24.10	20.61	-9.56	1,962.92	156.98	993.11	950.03	43.08	23.053					
12,600.00	10,778.80	11,516.72	9,799.65	24.69	21.27	-9.56	2,062.91	156.86	992.97	949.50	43.47	22.845					
12,700.00	10,779.05	11,616.72	9,800.04	25.30	21.95	-9.57	2,162.91	156.74	992.83	948.96	43.87	22.632					
12,800.00	10,779.30	11,716.72	9,800.43	25.92	22.64	-9.57	2,262.91	156.62	992.69	948.40	44.29	22.414					
12,900.00	10,779.55	11,816.72	9,800.82	26.55	23.34	-9.57	2,362.91	156.51	992.55	947.82	44.72	22.193					
13,000.00	10,779.80	11,916.72	9,801.21	27.20	24.05	-9.57	2,462.91	156.39	992.40	947.23	45.17	21.970					
13,100.00	10,780.05	12,016.72	9,801.60	27.86	24.77	-9.57	2,562.91	156.27	992.26	946.63	45.64	21.743					
13,200.00	10,780.29	12,116.72	9,801.99	28.53	25.50	-9.57	2,662.91	156.16	992.12	946.01	46.11	21.515					
13,300.00	10,780.54	12,216.72	9,802.38	29.20	26.24	-9.57	2,762.91	156.04	991.98	945.38	46.61	21.285					
13,400.00	10,780.79	12,316.72	9,802.78	29.89	26.99	-9.58	2,862.91	155.92	991.84	944.73	47.11	21.053					
13,500.00	10,781.04	12,416.72	9,803.17	30.59	27.74	-9.58	2,962.91	155.81	991.70	944.07	47.63	20.821					
13,600.00	10,781.29	12,516.72	9,803.56	31.29	28.49	-9.58	3,062.91	155.69	991.56	943.40	48.16	20.589					
13,700.00	10,781.53	12,616.72	9,803.95	32.00	29.26	-9.58	3,162.90	155.57	991.42	942.72	48.70	20.357					
13,800.00	10,781.78	12,716.72	9,804.34	32.72	30.02	-9.58	3,262.90	155.46	991.28	942.02	49.26	20.125					
13,900.00	10,782.03	12,816.72	9,804.73	33.45	30.80	-9.58	3,362.90	155.34	991.14	941.32	49.82	19.894					
14,000.00	10,782.28	12,916.72	9,805.12	34.18	31.57	-9.58	3,462.90	155.22	991.00	940.60	50.40	19.664					
14,100.00	10,782.53	13,016.72	9,805.51	34.91	32.35	-9.59	3,562.90	155.11	990.86	939.88	50.98	19.435					
14,200.00	10,782.78	13,116.72	9,805.90	35.66	33.14	-9.59	3,662.90	154.99	990.72	939.14	51.58	19.207					
14,300.00	10,783.02	13,216.72	9,806.29	36.40	33.93	-9.59	3,762.90	154.87	990.58	938.39	52.19	18.982					
14,400.00	10,783.27	13,316.72	9,806.68	37.16	34.72	-9.59	3,862.90	154.76	990.44	937.63	52.80	18.758					
14,500.00	10,783.52	13,416.72	9,807.07	37.91	35.51	-9.59	3,962.90	154.64	990.30	936.87	53.43	18.536					
14,600.00	10,783.77	13,516.72	9,807.46	38.67	36.31	-9.59	4,062.90	154.52	990.16	936.10	54.06	18.316					
14,700.00	10,784.02	13,616.72	9,807.86	39.44	37.11	-9.59	4,162.90	154.41	990.01	935.31	54.70	18.098					
14,800.00	10,784.26	13,716.72	9,808.25	40.21	37.91	-9.60	4,262.89	154.29	989.87	934.52	55.35	17.883					
14,900.00	10,784.51	13,816.72	9,808.64	40.98	38.72	-9.60	4,362.89	154.17	989.73	933.72	56.01	17.670					
15,000.00	10,784.76	13,916.72	9,809.03	41.76	39.53	-9.60	4,462.89	154.06	989.59	932.92	56.68	17.460					
15,100.00	10,785.01	14,016.72	9,809.42	42.54	40.33	-9.60	4,562.89	153.94	989.45	932.10	57.35	17.253					
15,200.00	10,785.26	14,116.72	9,809.81	43.32	41.15	-9.60	4,662.89	153.82	989.31	931.28	58.03	17.048					
15,300.00	10,785.51	14,216.72	9,810.20	44.10	41.96	-9.60	4,762.89	153.71	989.17	930.45	58.72	16.847					
15,400.00	10,785.75	14,316.72	9,810.59	44.89	42.77	-9.60	4,862.89	153.59	989.03	929.62	59.41	16.647					
15,500.00	10,786.00	14,416.72	9,810.98	45.68	43.59	-9.60	4,962.89	153.47	988.89	928.78	60.11	16.451					
15,600.00	10,786.25	14,516.72	9,811.37	46.47	44.41	-9.61	5,062.89	153.36	988.75	927.93	60.82	16.258					
15,700.00	10,786.50	14,616.72	9,811.76	47.26	45.23	-9.61	5,162.89	153.24	988.61	927.08	61.53	16.068					
15,800.00	10,786.75	14,716.72	9,812.15	48.06	46.05	-9.61	5,262.88	153.12	988.47	926.22	62.25	15.880					
15,900.00	10,786.99	14,816.72	9,812.54	48.86	46.87	-9.61	5,362.88	153.01	988.33	925.36	62.97	15.695					
16,000.00	10,787.24	14,916.72	9,812.93	49.66	47.69	-9.61	5,462.88	152.89	988.19	924.49	63.70	15.514					
16,100.00	10,787.49	15,016.72	9,813.33	50.46	48.52	-9.61	5,562.88	152.77	988.05	923.61	64.43	15.335					
16,200.00	10,787.74	15,116.72	9,813.72	51.27	49.34	-9.61	5,662.88	152.66	987.91	922.74	65.17	15.159					
16,300.00	10,787.99	15,216.71	9,814.11	52.07	50.17	-9.62	5,762.88	152.54	987.77	921.85	65.91	14.986					
16,400.00	10,788.24	15,316.71	9,814.50	52.88	51.00	-9.62	5,862.88	152.42	987.63	920.96	66.66	14.815					
16,500.00	10,788.48	15,416.71	9,814.89	53.69	51.83	-9.62	5,962.88	152.31	987.48	920.07	67.42	14.648					
16,600.00	10,788.73	15,516.71	9,815.28	54.50	52.66	-9.62	6,062.88	152.19	987.34	919.17	68.17	14.483					
16,700.00	10,788.98	15,616.71	9,815.67	55.31	53.49	-9.62	6,162.88	152.07	987.20	918.27	68.93	14.321					
16,800.00	10,789.23	15,716.71	9,816.06	56.13	54.32	-9.62	6,262.88	151.96	987.06	917.36	69.70	14.162					
16,900.00	10,789.48	15,816.71	9,816.45	56.94	55.15	-9.62	6,362.87	151.84	986.92	916.45	70.47	14.005					
17,000.00	10,789.72	15,916.71	9,816.84	57.76	55.98	-9.63	6,462.87	151.72	986.78	915.54	71.24	13.851					
17,100.00	10,789.97	16,016.71	9,817.23	58.57	56.82	-9.63	6,562.87	151.61	986.64	914.62	72.02	13.700					
17,200.00	10,790.22	16,116.71	9,817.62	59.39	57.65	-9.63	6,662.87	151.49	986.50	913.70	72.80	13.551					
17,300.00	10,790.47	16,216.71	9,818.01	60.21	58.49	-9.63	6,762.87	151.37	986.36	912.78	73.58	13.405					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2														Offset Site Error:
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:
Rule Assigned:														
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor		
17,400.00	10,790.72	16,316.71	9,818.41	61.03	59.32	-9.63	6,862.87	151.26	986.22	911.85	74.37	13.261		
17,500.00	10,790.96	16,416.71	9,818.80	61.85	60.16	-9.63	6,962.87	151.14	986.08	910.92	75.16	13.120		
17,600.00	10,791.21	16,516.71	9,819.19	62.68	61.00	-9.63	7,062.87	151.02	985.94	909.98	75.95	12.981		
17,700.00	10,791.46	16,616.71	9,819.58	63.50	61.83	-9.64	7,162.87	150.91	985.80	909.05	76.75	12.844		
17,800.00	10,791.71	16,716.71	9,819.97	64.32	62.67	-9.64	7,262.87	150.79	985.66	908.11	77.55	12.710		
17,900.00	10,791.96	16,816.71	9,820.36	65.15	63.51	-9.64	7,362.87	150.67	985.52	907.16	78.35	12.578		
18,000.00	10,792.21	16,916.71	9,820.75	65.97	64.35	-9.64	7,462.86	150.56	985.38	906.22	79.16	12.448		
18,100.00	10,792.45	17,016.71	9,821.14	66.80	65.19	-9.64	7,562.86	150.44	985.24	905.27	79.97	12.321		
18,200.00	10,792.70	17,116.71	9,821.53	67.63	66.03	-9.64	7,662.86	150.32	985.10	904.32	80.78	12.195		
18,300.00	10,792.95	17,216.71	9,821.92	68.46	66.87	-9.64	7,762.86	150.21	984.95	903.36	81.59	12.072		
18,400.00	10,793.20	17,316.71	9,822.31	69.29	67.71	-9.65	7,862.86	150.09	984.81	902.41	82.41	11.951		
18,500.00	10,793.45	17,416.71	9,822.70	70.12	68.55	-9.65	7,962.86	149.97	984.67	901.45	83.22	11.832		
18,600.00	10,793.69	17,516.71	9,823.09	70.95	69.39	-9.65	8,062.86	149.86	984.53	900.49	84.04	11.714		
18,700.00	10,793.94	17,616.71	9,823.48	71.78	70.24	-9.65	8,162.86	149.74	984.39	899.53	84.87	11.599		
18,800.00	10,794.19	17,716.71	9,823.88	72.61	71.08	-9.65	8,262.86	149.62	984.25	898.56	85.69	11.486		
18,900.00	10,794.44	17,816.71	9,824.27	73.44	71.92	-9.65	8,362.86	149.51	984.11	897.59	86.52	11.375		
19,000.00	10,794.69	17,916.71	9,824.66	74.27	72.76	-9.65	8,462.86	149.39	983.97	896.62	87.35	11.265		
19,100.00	10,794.94	18,016.71	9,825.05	75.11	73.61	-9.65	8,562.85	149.27	983.83	895.65	88.18	11.157		
19,200.00	10,795.18	18,116.71	9,825.44	75.94	74.45	-9.66	8,662.85	149.16	983.69	894.68	89.01	11.051		
19,300.00	10,795.43	18,216.71	9,825.83	76.77	75.29	-9.66	8,762.85	149.04	983.55	893.70	89.85	10.947		
19,400.00	10,795.68	18,316.71	9,826.22	77.61	76.14	-9.66	8,862.85	148.92	983.41	892.73	90.68	10.845		
19,500.00	10,795.93	18,416.71	9,826.61	78.45	76.98	-9.66	8,962.85	148.81	983.27	891.75	91.52	10.744		
19,600.00	10,796.18	18,516.71	9,827.00	79.28	77.83	-9.66	9,062.85	148.69	983.13	890.77	92.36	10.644		
19,700.00	10,796.42	18,616.71	9,827.39	80.12	78.67	-9.66	9,162.85	148.57	982.99	889.78	93.20	10.547		
19,800.00	10,796.67	18,716.71	9,827.78	80.95	79.52	-9.66	9,262.85	148.46	982.85	888.80	94.05	10.451		
19,900.00	10,796.92	18,816.71	9,828.17	81.79	80.37	-9.67	9,362.85	148.34	982.71	887.82	94.89	10.356		
20,000.00	10,797.17	18,916.71	9,828.56	82.63	81.21	-9.67	9,462.85	148.22	982.57	886.83	95.74	10.263		
20,100.00	10,797.42	19,016.71	9,828.96	83.47	82.06	-9.67	9,562.84	148.11	982.42	885.84	96.59	10.172		
20,200.00	10,797.67	19,116.71	9,829.35	84.31	82.90	-9.67	9,662.84	147.99	982.28	884.85	97.44	10.081		
20,300.00	10,797.91	19,216.71	9,829.74	85.14	83.75	-9.67	9,762.84	147.87	982.14	883.86	98.29	9.993		
20,400.00	10,798.16	19,316.71	9,830.13	85.98	84.60	-9.67	9,862.84	147.76	982.00	882.86	99.14	9.905		
20,500.00	10,798.41	19,416.71	9,830.52	86.82	85.44	-9.67	9,962.84	147.64	981.86	881.87	99.99	9.819		
20,600.00	10,798.66	19,516.71	9,830.91	87.66	86.29	-9.68	10,062.84	147.52	981.72	880.87	100.85	9.735		
20,700.00	10,798.91	19,616.71	9,831.30	88.50	87.14	-9.68	10,162.84	147.41	981.58	879.88	101.70	9.651		
20,800.00	10,799.15	19,716.71	9,831.69	89.34	87.99	-9.68	10,262.84	147.29	981.44	878.88	102.56	9.569		
20,900.00	10,799.40	19,816.71	9,832.08	90.18	88.84	-9.68	10,362.84	147.17	981.30	877.88	103.42	9.488		
21,000.00	10,799.65	19,916.71	9,832.47	91.03	89.68	-9.68	10,462.84	147.06	981.16	876.88	104.28	9.409		
21,100.00	10,799.90	20,016.71	9,832.86	91.87	90.53	-9.68	10,562.84	146.94	981.02	875.88	105.14	9.330		
21,138.29	10,799.99	20,051.98	9,833.00	92.19	90.83	-9.68	10,598.10	146.90	980.97	875.48	105.49	9.299		
21,140.85	10,800.00	20,051.98	9,833.00	92.21	90.83	-9.68	10,598.10	146.90	980.98	875.44	105.54	9.295		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9180-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Reference	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning				
0.00	0.00	1.00	0.00	0.00	0.01	83.94	21.20	199.80	200.92								
100.00	100.00	101.00	100.00	0.77	0.77	83.94	21.20	199.80	200.92	198.92	2.00	100.569					
200.00	200.00	201.00	200.00	1.44	1.44	83.94	21.20	199.80	200.92	197.61	3.32	60.592					
300.00	300.00	301.00	300.00	1.88	1.89	83.94	21.20	199.80	200.92	196.72	4.20	47.850					
400.00	400.00	401.00	400.00	2.25	2.25	83.94	21.20	199.80	200.92	196.01	4.92	40.879					
500.00	500.00	501.00	500.00	2.56	2.56	83.94	21.20	199.80	200.92	195.39	5.54	36.295					
600.00	600.00	601.00	600.00	2.84	2.85	83.94	21.20	199.80	200.92	194.83	6.09	32.977					
700.00	700.00	701.00	700.00	3.10	3.11	83.94	21.20	199.80	200.92	194.32	6.60	30.426					
800.00	800.00	801.00	800.00	3.34	3.35	83.94	21.20	199.80	200.92	193.84	7.08	28.383					
900.00	900.00	901.00	900.00	3.57	3.57	83.94	21.20	199.80	200.92	193.40	7.53	26.698					
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	83.94	21.20	199.80	200.92	192.97	7.95	25.275					
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	83.94	21.20	199.80	200.92	192.57	8.35	24.052					
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	83.94	21.20	199.80	200.92	192.18	8.74	22.985					
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	83.94	21.20	199.80	200.92	191.81	9.11	22.044					
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	83.94	21.20	199.80	200.92	191.45	9.48	21.205					
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	83.94	21.20	199.80	200.92	191.10	9.82	20.451					
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	83.94	21.20	199.80	200.92	190.76	10.16	19.768					
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	83.94	21.20	199.80	200.92	190.43	10.49	19.145					
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	83.94	21.20	199.80	200.92	190.10	10.82	18.574					
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	83.94	21.20	199.80	200.92	189.79	11.13	18.048					
2,000.00	2,000.00	2,001.07	2,000.07	5.56	5.56	83.94	21.20	199.80	200.92	189.48	11.44	17.560					
2,100.00	2,099.99	2,108.13	2,107.10	5.70	5.80	28.90	21.63	197.81	198.35	186.54	11.81	16.792					
2,200.00	2,199.96	2,214.71	2,213.51	5.84	6.05	28.78	22.90	191.94	190.71	178.55	12.16	15.677					
2,300.00	2,299.86	2,320.35	2,318.68	6.00	6.31	28.55	24.97	182.31	178.06	165.53	12.53	14.205					
2,400.00	2,399.68	2,424.62	2,422.06	6.17	6.59	28.16	27.82	169.10	160.47	147.55	12.92	12.417					
2,500.00	2,499.37	2,527.09	2,523.12	6.36	6.87	27.51	31.40	152.53	138.05	124.74	13.31	10.368					
2,600.00	2,598.89	2,625.28	2,619.42	6.59	7.09	8.62	35.44	133.78	110.78	97.09	13.69	8.090					
2,700.00	2,698.16	2,720.37	2,712.60	6.85	7.34	-7.36	39.44	115.25	80.84	66.68	14.16	5.711					
2,717.41	2,715.41	2,736.82	2,728.72	6.88	7.38	-10.31	40.13	112.05	75.46	61.24	14.22	5.308					
2,800.00	2,797.19	2,814.79	2,805.12	7.08	7.60	-21.34	43.41	96.85	50.77	36.28	14.48	3.505					
2,900.00	2,896.22	2,909.19	2,897.63	7.34	7.88	-57.98	47.38	78.46	28.09	13.89	14.20	1.978	Caution - Monitor Closely				
2,932.20	2,928.11	2,939.59	2,927.42	7.43	7.98	-79.06	48.66	72.53	26.01	11.96	14.05	1.851	Caution - Monitor Closely, CC, ES, SF				
3,000.00	2,995.25	3,003.60	2,990.14	7.62	8.18	-118.13	51.35	60.06	34.30	19.50	14.80	2.317	Caution - Monitor Closely				
3,100.00	3,094.27	3,098.00	3,082.65	7.91	8.48	-142.60	55.32	41.66	61.15	45.22	15.93	3.839					
3,200.00	3,193.30	3,192.41	3,175.16	8.21	8.80	-151.74	59.29	23.26	92.07	75.37	16.70	5.514					
3,300.00	3,292.33	3,286.81	3,267.67	8.53	9.13	-156.26	63.26	4.87	124.06	106.67	17.39	7.134					
3,400.00	3,391.35	3,381.22	3,360.18	8.85	9.47	-158.93	67.23	-13.53	156.46	138.40	18.06	8.661					
3,500.00	3,490.38	3,475.62	3,452.69	9.19	9.82	-160.69	71.20	-31.93	189.07	170.32	18.74	10.088					
3,600.00	3,589.41	3,570.03	3,545.20	9.53	10.18	-161.93	75.17	-50.33	221.78	202.35	19.43	11.416					
3,700.00	3,688.43	3,664.43	3,637.71	9.88	10.54	-162.85	79.13	-68.72	254.56	234.44	20.12	12.651					
3,800.00	3,787.46	3,758.84	3,730.22	10.24	10.91	-163.56	83.10	-87.12	287.39	266.56	20.83	13.799					
3,900.00	3,886.49	3,853.24	3,822.73	10.60	11.28	-164.12	87.07	-105.52	320.25	298.71	21.54	14.867					
4,000.00	3,985.52	3,947.64	3,915.24	10.97	11.66	-164.58	91.04	-123.91	353.13	330.87	22.26	15.862					
4,100.00	4,084.54	4,042.05	4,007.75	11.34	12.04	-164.97	95.01	-142.31	386.03	363.04	22.99	16.789					
4,200.00	4,183.57	4,136.45	4,100.26	11.71	12.43	-165.29	98.98	-160.71	418.95	395.21	23.73	17.653					
4,300.00	4,282.60	4,230.86	4,192.77	12.09	12.82	-165.56	102.95	-179.11	451.87	427.39	24.48	18.461					
4,365.62	4,347.58	4,292.81	4,253.47	12.33	13.08	-165.72	105.55	-191.18	473.48	448.52	24.95	18.973					
4,400.00	4,381.64	4,325.30	4,285.31	12.45	13.21	-165.83	106.92	-197.51	484.70	459.50	25.20	19.234					
4,500.00	4,480.86	4,420.17	4,378.27	12.82	13.61	-166.07	110.91	-216.00	516.29	490.33	25.95	19.893					
4,600.00	4,580.28	4,515.56	4,471.76	13.19	14.02	-166.25	114.92	-234.59	546.26	519.56	26.70	20.457					
4,700.00	4,679.87	4,611.46	4,565.72	13.55	14.43	-166.37	118.95	-253.28	574.62	547.17	27.45	20.933					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9180-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)							
4,800.00	4,779.61	4,707.82	4,660.15	13.90	14.84	-166.43	123.00	-272.05	601.34	573.15	28.19	21.332					
4,900.00	4,879.45	4,804.62	4,755.01	14.23	15.26	-166.46	127.07	-290.92	626.42	597.50	28.92	21.661					
5,000.00	4,979.38	4,901.83	4,850.27	14.53	15.68	-166.44	131.16	-309.86	649.86	620.23	29.63	21.930					
5,100.00	5,079.36	4,999.42	4,945.90	14.80	16.11	-166.39	135.26	-328.88	671.65	641.33	30.32	22.151					
5,165.64	5,145.00	5,063.67	5,008.86	14.88	16.39	-82.47	137.97	-341.40	685.05	654.36	30.70	22.317					
5,200.00	5,179.36	5,097.34	5,041.85	14.88	16.54	-82.43	139.38	-347.96	691.88	661.02	30.86	22.419					
5,300.00	5,279.36	5,195.33	5,137.88	14.94	16.97	-82.30	143.50	-367.06	711.76	680.38	31.38	22.681					
5,400.00	5,379.36	5,293.32	5,233.90	14.99	17.40	-82.18	147.62	-386.16	731.64	699.73	31.91	22.930					
5,500.00	5,479.36	5,391.32	5,329.93	15.04	17.83	-82.06	151.74	-405.25	751.52	719.08	32.44	23.167					
5,600.00	5,579.36	5,489.31	5,425.95	15.09	18.27	-81.95	155.86	-424.35	771.41	738.43	32.97	23.394					
5,700.00	5,679.36	5,610.53	5,545.05	15.15	18.96	-81.83	160.62	-446.38	789.98	756.10	33.88	23.316					
5,800.00	5,779.36	5,735.34	5,668.36	15.20	19.48	-81.73	164.68	-465.21	805.38	770.81	34.57	23.296					
5,900.00	5,879.36	5,861.29	5,793.38	15.25	20.00	-81.66	167.91	-480.20	817.53	782.30	35.23	23.206					
6,000.00	5,979.36	5,988.14	5,919.71	15.31	20.49	-81.61	170.29	-491.22	826.40	790.57	35.83	23.067					
6,100.00	6,079.36	6,115.60	6,046.97	15.36	20.93	-81.58	171.79	-498.16	831.96	795.62	36.34	22.897					
6,200.00	6,179.36	6,243.39	6,174.72	15.42	21.24	-81.56	172.39	-500.94	834.18	797.51	36.67	22.748					
6,300.00	6,279.36	6,348.03	6,279.36	15.47	21.29	-81.56	172.40	-501.00	834.23	797.47	36.76	22.694					
6,400.00	6,379.36	6,448.03	6,379.36	15.52	21.33	-81.56	172.40	-501.00	834.23	797.38	36.85	22.639					
6,500.00	6,479.36	6,548.03	6,479.36	15.58	21.36	-81.56	172.40	-501.00	834.23	797.29	36.94	22.585					
6,600.00	6,579.36	6,648.03	6,579.36	15.63	21.40	-81.56	172.40	-501.00	834.23	797.20	37.03	22.531					
6,700.00	6,679.36	6,748.03	6,679.36	15.69	21.44	-81.56	172.40	-501.00	834.23	797.11	37.12	22.477					
6,800.00	6,779.36	6,848.03	6,779.36	15.75	21.48	-81.56	172.40	-501.00	834.23	797.02	37.21	22.422					
6,900.00	6,879.36	6,948.03	6,879.36	15.80	21.52	-81.56	172.40	-501.00	834.23	796.93	37.30	22.368					
7,000.00	6,979.36	7,048.03	6,979.36	15.86	21.56	-81.56	172.40	-501.00	834.23	796.84	37.39	22.313					
7,100.00	7,079.36	7,148.03	7,079.36	15.91	21.60	-81.56	172.40	-501.00	834.23	796.75	37.48	22.259					
7,200.00	7,179.36	7,248.03	7,179.36	15.97	21.64	-81.56	172.40	-501.00	834.23	796.66	37.57	22.204					
7,300.00	7,279.36	7,348.03	7,279.36	16.03	21.67	-81.56	172.40	-501.00	834.23	796.57	37.66	22.150					
7,400.00	7,379.36	7,448.03	7,379.36	16.08	21.71	-81.56	172.40	-501.00	834.23	796.47	37.76	22.096					
7,500.00	7,479.36	7,548.03	7,479.36	16.14	21.75	-81.56	172.40	-501.00	834.23	796.38	37.85	22.041					
7,600.00	7,579.36	7,648.03	7,579.36	16.20	21.80	-81.56	172.40	-501.00	834.23	796.29	37.94	21.987					
7,700.00	7,679.36	7,748.03	7,679.36	16.26	21.84	-81.56	172.40	-501.00	834.23	796.19	38.04	21.932					
7,800.00	7,779.36	7,848.03	7,779.36	16.31	21.88	-81.56	172.40	-501.00	834.23	796.10	38.13	21.878					
7,900.00	7,879.36	7,948.03	7,879.36	16.37	21.92	-81.56	172.40	-501.00	834.23	796.00	38.23	21.823					
8,000.00	7,979.36	8,048.03	7,979.36	16.43	21.96	-81.56	172.40	-501.00	834.23	795.91	38.32	21.769					
8,100.00	8,079.36	8,148.03	8,079.36	16.49	22.00	-81.56	172.40	-501.00	834.23	795.81	38.42	21.714					
8,200.00	8,179.36	8,248.03	8,179.36	16.55	22.04	-81.56	172.40	-501.00	834.23	795.71	38.51	21.660					
8,300.00	8,279.36	8,348.03	8,279.36	16.61	22.08	-81.56	172.40	-501.00	834.23	795.62	38.61	21.606					
8,400.00	8,379.36	8,448.03	8,379.36	16.67	22.13	-81.56	172.40	-501.00	834.23	795.52	38.71	21.551					
8,500.00	8,479.36	8,548.03	8,479.36	16.73	22.17	-81.56	172.40	-501.00	834.23	795.42	38.81	21.497					
8,600.00	8,579.36	8,648.03	8,579.36	16.78	22.21	-81.56	172.40	-501.00	834.23	795.32	38.90	21.443					
8,700.00	8,679.36	8,748.03	8,679.36	16.84	22.25	-81.56	172.40	-501.00	834.23	795.23	39.00	21.389					
8,800.00	8,779.36	8,848.03	8,779.36	16.90	22.30	-81.56	172.40	-501.00	834.23	795.13	39.10	21.335					
8,900.00	8,879.36	8,948.03	8,879.36	16.96	22.34	-81.56	172.40	-501.00	834.23	795.03	39.20	21.280					
9,000.00	8,979.36	9,048.03	8,979.36	17.02	22.38	-81.56	172.40	-501.00	834.23	794.93	39.30	21.226					
9,100.00	9,079.36	9,148.03	9,079.36	17.08	22.42	-81.56	172.40	-501.00	834.23	794.83	39.39	21.172					
9,200.00	9,179.36	9,233.87	9,165.10	17.14	22.43	-81.36	175.41	-501.00	834.80	795.30	39.50	21.134					
9,300.00	9,279.36	9,310.26	9,239.99	17.21	22.44	-80.37	190.00	-501.02	837.94	798.33	39.61	21.155					
9,400.00	9,379.36	9,380.42	9,305.93	17.27	22.45	-78.78	213.76	-501.05	844.54	804.83	39.70	21.271					
9,500.00	9,479.36	9,442.50	9,360.84	17.33	22.46	-76.86	242.65	-501.08	855.72	815.94	39.78	21.512					
9,600.00	9,579.36	9,500.00	9,407.96	17.39	22.47	-74.72	275.55	-501.12	872.59	832.78	39.81	21.919					
9,700.00	9,679.36	9,541.73	9,439.49	17.45	22.48	-72.97	302.85	-501.15	895.92	856.09	39.83	22.492					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP2													<b>Offset Site Error:</b>	0.00 usft
<b>Survey Program:</b> 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9180-r.5 MWD+IFR1+SAG+FDIR													<b>Offset Well Error:</b>	0.00 usft
<b>Reference</b>													<b>Rule Assigned:</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>No-Go Distance (usft)</b>	<b>Separation Factor</b>		
9,800.00	9,779.36	9,575.00	9,462.86	17.51	22.49	-71.48	326.53	-501.18	926.22	886.39	39.84	23.251		
9,900.00	9,879.36	9,613.18	9,487.57	17.57	22.50	-69.68	355.62	-501.21	963.44	923.64	39.80	24.206		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 1500-r.5 MWD+IFR1, 9495-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 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 Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning				
0.00	0.00	1.00	0.00	0.00	0.01	89.63	1.30	200.00	200.00								
100.00	100.00	101.00	100.00	0.77	0.77	89.63	1.30	200.00	200.00	198.01	2.00	100.110					
200.00	200.00	201.00	200.00	1.44	1.44	89.63	1.30	200.00	200.00	196.69	3.32	60.316					
300.00	300.00	301.00	300.00	1.88	1.89	89.63	1.30	200.00	200.00	195.81	4.20	47.632					
400.00	400.00	401.00	400.00	2.25	2.25	89.63	1.30	200.00	200.00	195.09	4.92	40.692					
500.00	500.00	501.00	500.00	2.56	2.56	89.63	1.30	200.00	200.00	194.47	5.54	36.129					
600.00	600.00	601.00	600.00	2.84	2.85	89.63	1.30	200.00	200.00	193.91	6.09	32.826					
700.00	700.00	701.00	700.00	3.10	3.11	89.63	1.30	200.00	200.00	193.40	6.60	30.287					
800.00	800.00	801.00	800.00	3.34	3.35	89.63	1.30	200.00	200.00	192.93	7.08	28.254					
900.00	900.00	901.00	900.00	3.57	3.57	89.63	1.30	200.00	200.00	192.48	7.53	26.576					
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	89.63	1.30	200.00	200.00	192.05	7.95	25.159					
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	89.63	1.30	200.00	200.00	191.65	8.35	23.942					
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	89.63	1.30	200.00	200.00	191.26	8.74	22.880					
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	89.63	1.30	200.00	200.00	190.89	9.11	21.944					
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	89.63	1.30	200.00	200.00	190.53	9.48	21.108					
1,500.00	1,500.00	1,501.07	1,500.07	4.74	4.74	89.63	1.30	200.00	200.00	190.18	9.83	20.355					
1,600.00	1,600.00	1,608.27	1,607.24	4.91	5.02	89.78	0.77	198.02	198.16	187.89	10.26	19.306					
1,700.00	1,700.00	1,715.16	1,713.95	5.08	5.30	90.24	-0.79	192.20	192.71	182.02	10.69	18.033					
1,800.00	1,800.00	1,821.45	1,819.78	5.24	5.60	91.06	-3.36	182.60	183.70	172.59	11.11	16.534					
1,900.00	1,900.00	1,926.86	1,924.29	5.40	5.92	92.34	-6.92	169.34	171.21	159.67	11.54	14.839					
2,000.00	2,000.00	2,031.13	2,027.09	5.56	6.25	94.28	-11.41	152.58	155.38	143.42	11.97	12.984					
2,100.00	2,099.99	2,133.79	2,127.63	5.70	6.60	42.61	-16.77	132.56	135.81	123.43	12.38	10.968					
2,200.00	2,199.96	2,234.30	2,225.29	5.84	6.96	48.51	-22.92	109.59	112.50	99.74	12.76	8.820					
2,300.00	2,299.86	2,332.28	2,319.62	6.00	7.31	59.46	-29.77	84.04	87.11	74.12	13.00	6.703					
2,400.00	2,399.68	2,426.78	2,409.84	6.17	7.61	80.40	-37.05	56.89	64.80	51.90	12.90	5.022					
2,483.76	2,483.19	2,505.20	2,484.64	6.33	7.85	107.45	-42.99	34.08	57.41	44.62	12.79	4.489 CC, ES					
2,500.00	2,499.37	2,520.56	2,499.29	6.36	7.91	113.18	-43.99	29.59	57.70	44.83	12.87	4.485 SF					
2,600.00	2,598.89	2,614.72	2,589.14	6.59	8.25	128.33	-48.31	1.77	70.25	56.25	14.00	5.017					
2,700.00	2,698.16	2,706.89	2,677.06	6.85	8.55	139.04	-49.87	-25.87	96.67	81.55	15.12	6.394					
2,717.41	2,715.41	2,722.63	2,692.07	6.88	8.61	140.32	-50.07	-30.59	102.33	87.06	15.27	6.700					
2,800.00	2,797.19	2,797.18	2,763.17	7.08	8.90	150.51	-50.97	-52.99	131.73	115.78	15.95	8.258					
2,900.00	2,896.22	2,887.45	2,849.25	7.34	9.26	158.11	-52.07	-80.12	170.49	153.81	16.67	10.225					
3,000.00	2,995.25	2,977.72	2,935.34	7.62	9.63	162.92	-53.17	-107.24	210.91	193.55	17.36	12.147					
3,100.00	3,094.27	3,067.98	3,021.43	7.91	10.00	166.20	-54.27	-134.36	252.20	234.15	18.05	13.973					
3,200.00	3,193.30	3,158.25	3,107.52	8.21	10.38	168.56	-55.37	-161.48	293.99	275.24	18.74	15.684					
3,300.00	3,292.33	3,248.52	3,193.61	8.53	10.77	170.34	-56.47	-188.61	336.09	316.64	19.45	17.280					
3,400.00	3,391.35	3,338.78	3,279.70	8.85	11.17	171.73	-57.57	-215.73	378.40	358.23	20.17	18.763					
3,500.00	3,490.38	3,429.05	3,365.79	9.19	11.56	172.83	-58.67	-242.85	420.86	399.96	20.90	20.141					
3,600.00	3,589.41	3,519.32	3,451.88	9.53	11.97	173.74	-59.77	-269.98	463.42	441.79	21.63	21.420					
3,700.00	3,688.43	3,609.58	3,537.97	9.88	12.38	174.49	-60.87	-297.10	506.07	483.68	22.38	22.609					
3,800.00	3,787.46	3,699.85	3,624.05	10.24	12.79	175.13	-61.97	-324.22	548.77	525.63	23.14	23.714					
3,900.00	3,886.49	3,790.12	3,710.14	10.60	13.20	175.68	-63.07	-351.34	591.53	567.62	23.91	24.742					
4,000.00	3,985.52	3,880.39	3,796.23	10.97	13.62	176.15	-64.17	-378.47	634.32	609.63	24.68	25.701					
4,100.00	4,084.54	3,970.65	3,882.32	11.34	14.04	176.56	-65.27	-405.59	677.14	651.68	25.46	26.595					
4,200.00	4,183.57	4,060.92	3,968.41	11.71	14.46	176.92	-66.37	-432.71	719.98	693.74	26.25	27.431					
4,300.00	4,282.60	4,151.19	4,054.50	12.09	14.89	177.25	-67.47	-459.83	762.85	735.81	27.04	28.212					
4,365.62	4,347.58	4,210.42	4,110.99	12.33	15.17	177.44	-68.19	-477.63	790.99	763.44	27.55	28.711					
4,400.00	4,381.64	4,241.50	4,140.63	12.45	15.32	177.54	-68.57	-486.97	805.64	777.83	27.81	28.966					
4,500.00	4,480.86	4,332.39	4,227.31	12.82	15.75	177.82	-69.68	-514.28	847.21	818.59	28.61	29.609					
4,600.00	4,580.28	4,423.99	4,314.67	13.19	16.19	178.06	-70.79	-541.80	887.19	857.78	29.41	30.162					
4,700.00	4,679.87	4,516.28	4,402.69	13.55	16.63	178.28	-71.92	-569.53	925.59	895.37	30.21	30.634					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP2													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-r.5 MWD+IFR1+SAG+FDIR, 1500-r.5 MWD+IFR1, 9495-r.5 MWD+IFR1+SAG+FDIR													<b>Offset Well Error:</b> 0.00 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</b>		<b>Highside Toolface (°)</b>	<b>Offset Wellbore Centre</b>		<b>Distance</b>		<b>No-Go Distance (usft)</b>	<b>Separation Factor</b>	<b>Warning</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>			
4,800.00	4,779.61	4,609.22	4,491.33	13.90	17.08	178.47	-73.05	-597.46	962.37	931.36	31.01	31.033	
4,900.00	4,879.45	4,702.79	4,580.57	14.23	17.53	178.65	-74.19	-625.58	997.53	965.73	31.80	31.368	

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2													Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR													Rule Assigned:		Offset Well Error:	0.00 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Reference Semi Major Axis (usft)	Offset Semi Major Axis (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning			
0.00	0.00	0.10	0.00	0.00	0.00	179.43	-20.00	0.20	20.00	18.01	1.99	10.041				
100.00	100.00	100.10	100.00	0.77	0.77	179.43	-20.00	0.20	20.00	16.69	3.31	6.039				
200.00	200.00	200.10	200.00	1.44	1.44	179.43	-20.00	0.20	20.00	15.81	4.20	4.767				
300.00	300.00	300.10	300.00	2.25	2.25	179.43	-20.00	0.20	20.00	15.09	4.91	4.072				
400.00	400.00	400.10	400.00	2.56	2.56	179.43	-20.00	0.20	20.00	14.47	5.53	3.615				
500.00	500.00	500.10	500.00	2.84	2.84	179.43	-20.00	0.20	20.00	13.91	6.09	3.284				
600.00	600.00	600.10	600.00	3.10	3.10	179.43	-20.00	0.20	20.00	13.40	6.60	3.030				
700.00	700.00	700.10	700.00	3.34	3.34	179.43	-20.00	0.20	20.00	12.92	7.08	2.826	Normal Operations			
800.00	800.00	800.10	800.00	3.57	3.57	179.43	-20.00	0.20	20.00	12.48	7.52	2.658	Normal Operations			
900.00	900.00	900.10	900.00	3.79	3.79	179.43	-20.00	0.20	20.00	12.05	7.95	2.517	Normal Operations			
1,000.00	1,000.00	1,000.10	1,000.00	3.99	3.99	179.43	-20.00	0.20	20.00	11.65	8.35	2.395	Caution - Monitor Closely			
1,100.00	1,100.00	1,100.10	1,100.00	4.19	4.19	179.43	-20.00	0.20	20.00	11.26	8.74	2.289	Caution - Monitor Closely			
1,200.00	1,200.00	1,200.10	1,200.00	4.38	4.38	179.43	-20.00	0.20	20.00	10.89	9.11	2.195	Caution - Monitor Closely			
1,300.00	1,300.00	1,300.10	1,300.00	4.56	4.56	179.43	-20.00	0.20	20.00	10.53	9.47	2.111	Caution - Monitor Closely			
1,400.00	1,400.00	1,400.10	1,400.00	4.74	4.74	179.43	-20.00	0.20	20.00	10.18	9.82	2.036	Caution - Monitor Closely			
1,500.00	1,500.00	1,500.10	1,500.00	4.91	4.91	179.43	-20.00	0.20	20.00	9.84	10.16	1.968	Caution - Monitor Closely			
1,600.00	1,600.00	1,600.10	1,600.00	5.08	5.08	179.43	-20.00	0.20	20.00	9.51	10.49	1.906	Caution - Monitor Closely			
1,700.00	1,700.00	1,700.10	1,700.00	5.24	5.24	179.43	-20.00	0.20	20.00	9.19	10.82	1.849	Caution - Monitor Closely			
1,800.00	1,800.00	1,800.10	1,800.00	5.40	5.40	179.43	-20.00	0.20	20.00	8.87	11.13	1.797	Caution - Monitor Closely			
1,900.00	1,900.00	1,900.10	1,900.00	5.56	5.56	179.43	-20.00	0.20	20.00	8.56	11.44	1.748	Caution - Monitor Closely, CC, ES, SF			
2,000.00	2,000.00	2,000.10	2,000.00	5.70	5.70	126.43	-20.00	0.20	20.51	8.79	11.72	1.750	Caution - Monitor Closely			
2,100.00	2,099.99	2,100.09	2,099.99	5.84	5.83	131.87	-20.00	0.20	22.16	10.18	11.98	1.850	Caution - Monitor Closely			
2,200.00	2,199.96	2,200.06	2,199.96	6.00	5.95	139.23	-20.00	0.20	25.28	13.04	12.25	2.065	Caution - Monitor Closely			
2,300.00	2,299.86	2,299.96	2,299.86	6.17	6.08	146.79	-20.00	0.20	30.17	17.64	12.53	2.408	Caution - Monitor Closely			
2,400.00	2,399.68	2,399.78	2,399.68	6.36	6.20	153.43	-20.00	0.20	36.99	24.15	12.84	2.881	Normal Operations			
2,500.00	2,499.37	2,499.47	2,499.37	6.59	6.40	142.25	-19.78	1.93	44.02	30.79	13.23	3.328				
2,600.00	2,598.89	2,600.03	2,599.91	6.85	6.61	136.60	-19.12	7.19	49.49	35.86	13.63	3.631				
2,700.00	2,698.16	2,700.93	2,700.67	6.88	6.65	136.06	-18.96	8.47	50.29	36.60	13.69	3.675				
2,717.41	2,715.41	2,718.53	2,718.22	7.08	6.84	139.21	-18.02	16.00	53.18	39.16	14.02	3.793				
2,800.00	2,797.19	2,802.16	2,801.50	7.34	7.08	140.54	-16.47	28.37	54.30	39.86	14.44	3.761				
2,900.00	2,896.22	2,903.63	2,902.19	7.62	7.35	139.45	-14.47	44.27	52.67	37.82	14.84	3.548				
3,000.00	2,995.25	3,005.09	3,002.37	7.91	7.63	135.54	-12.05	63.60	48.43	33.23	15.20	3.187				
3,100.00	3,094.27	3,106.20	3,101.59	8.21	7.87	129.45	-9.47	84.17	43.44	27.98	15.46	2.809	Normal Operations			
3,200.00	3,193.30	3,205.96	3,199.17	8.53	8.13	121.88	-6.89	104.75	39.06	23.44	15.62	2.501	Normal Operations			
3,300.00	3,292.33	3,305.72	3,296.74	8.85	8.41	112.63	-4.31	125.33	35.52	19.87	15.64	2.270	Caution - Monitor Closely			
3,400.00	3,391.35	3,405.47	3,394.32	9.19	8.71	101.69	-1.73	145.91	33.09	17.51	15.58	2.123	Caution - Monitor Closely			
3,500.00	3,490.38	3,505.23	3,491.90	9.53	9.02	89.55	0.85	166.49	32.03	16.43	15.60	2.054	Caution - Monitor Closely			
3,600.00	3,589.41	3,604.98	3,589.47	9.60	9.08	86.96	1.39	170.77	32.00	16.37	15.63	2.047	Caution - Monitor Closely			
3,620.79	3,610.00	3,625.72	3,609.76	9.88	9.34	77.18	3.43	187.07	32.47	16.57	15.90	2.042	Caution - Monitor Closely			
3,700.00	3,688.43	3,704.74	3,687.05	10.24	9.68	65.66	6.01	207.64	34.36	17.77	16.58	2.072	Caution - Monitor Closely			
3,800.00	3,787.46	3,804.50	3,784.63	10.60	10.02	55.68	8.59	228.22	37.47	19.91	17.55	2.134	Caution - Monitor Closely			
3,900.00	3,886.49	3,904.25	3,882.20	10.97	10.38	47.43	11.17	248.80	41.53	22.87	18.66	2.226	Caution - Monitor Closely			
4,000.00	3,985.52	4,004.01	3,979.78	11.34	10.75	40.76	13.75	269.38	46.29	26.51	19.78	2.341	Caution - Monitor Closely			
4,100.00	4,084.54	4,103.76	4,077.36	11.71	11.12	35.39	16.33	289.96	51.56	30.69	20.87	2.470	Caution - Monitor Closely			
4,200.00	4,183.57	4,203.52	4,174.93	12.09	11.50	31.04	18.92	310.54	57.20	35.27	21.93	2.609	Normal Operations			
4,300.00	4,282.60	4,303.28	4,272.51	12.33	11.76	28.64	20.61	324.04	61.05	38.47	22.58	2.704	Normal Operations			
4,365.62	4,347.58	4,368.74	4,336.54	12.45	11.89	27.46	21.50	331.11	63.20	40.29	22.91	2.758	Normal Operations			
4,400.00	4,381.64	4,403.03	4,370.08	12.82	12.29	24.07	24.07	351.67	70.65	46.71	23.93	2.952	Normal Operations			
4,500.00	4,480.86	4,502.67	4,467.54	13.19	12.69	20.88	26.65	372.19	79.92	54.98	24.94	3.205	Normal Operations			
4,600.00	4,580.28	4,602.15	4,564.85	13.55	13.09	18.03	29.21	392.67	91.05	65.13	25.91	3.514				
4,700.00	4,679.87	4,701.43	4,661.96													

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning				
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor					
4,800.00	4,779.61	4,800.49	4,758.86	13.90	13.50	15.55	31.78	413.10	104.01	77.18	26.84	3.876					
4,900.00	4,879.45	4,899.30	4,855.51	14.23	13.91	13.43	34.33	433.49	118.82	91.10	27.72	4.287					
5,000.00	4,979.38	4,997.83	4,951.89	14.53	14.32	11.63	36.88	453.81	135.44	106.89	28.54	4.745					
5,100.00	5,079.36	5,096.04	5,047.95	14.80	14.73	10.12	39.42	474.07	153.85	124.54	29.31	5.248					
5,165.64	5,145.00	5,160.33	5,110.83	14.88	15.01	93.13	41.08	487.33	166.91	137.19	29.72	5.615					
5,200.00	5,179.36	5,193.94	5,143.71	14.88	15.15	92.71	41.95	494.27	173.95	144.05	29.90	5.818					
5,300.00	5,279.36	5,291.75	5,239.38	14.94	15.57	91.66	44.48	514.44	194.48	164.04	30.44	6.389					
5,400.00	5,379.36	5,389.57	5,335.06	14.99	15.99	90.81	47.01	534.62	215.05	184.08	30.97	6.944					
5,500.00	5,479.36	5,487.38	5,430.74	15.04	16.41	90.11	49.55	554.80	235.67	204.17	31.50	7.482					
5,600.00	5,579.36	5,585.20	5,526.42	15.09	16.84	89.53	52.08	574.98	256.31	224.28	32.03	8.003					
5,700.00	5,679.36	5,683.01	5,622.09	15.15	17.27	89.03	54.61	595.16	276.98	244.42	32.56	8.507					
5,800.00	5,779.36	5,780.83	5,717.77	15.20	17.70	88.60	57.14	615.33	297.66	264.57	33.09	8.995					
5,900.00	5,879.36	5,878.64	5,813.45	15.25	18.13	88.22	59.67	635.51	318.36	284.73	33.63	9.467					
6,000.00	5,979.36	5,976.46	5,909.13	15.31	18.56	87.89	62.20	655.69	339.07	304.90	34.17	9.924					
6,100.00	6,079.36	6,074.27	6,004.81	15.36	19.00	87.60	64.73	675.87	359.78	325.08	34.71	10.366					
6,200.00	6,179.36	6,172.09	6,100.48	15.42	19.43	87.34	67.26	696.04	380.51	345.26	35.25	10.794					
6,300.00	6,279.36	6,269.90	6,196.16	15.47	19.87	87.11	69.79	716.22	401.24	365.44	35.80	11.208					
6,400.00	6,379.36	6,367.72	6,291.85	15.52	20.30	86.90	72.32	736.40	421.98	385.64	36.34	11.611					
6,500.00	6,479.36	6,478.30	6,400.33	15.58	20.79	86.70	74.98	757.65	441.31	404.34	36.97	11.936					
6,600.00	6,579.36	6,590.06	6,510.54	15.63	21.28	86.54	77.28	775.96	457.78	420.20	37.58	12.181					
6,700.00	6,679.36	6,702.82	6,622.25	15.69	21.76	86.42	79.19	791.18	471.36	433.21	38.15	12.356					
6,800.00	6,779.36	6,816.40	6,735.18	15.75	22.21	86.33	80.69	803.19	482.00	443.34	38.66	12.466					
6,900.00	6,879.36	6,930.61	6,849.05	15.80	22.63	86.27	81.79	811.91	489.68	450.56	39.12	12.517					
7,000.00	6,979.36	7,045.24	6,963.55	15.86	23.01	86.23	82.46	817.26	494.38	454.87	39.50	12.515					
7,100.00	7,079.36	7,160.10	7,078.39	15.91	23.26	86.22	82.70	819.19	496.07	456.36	39.71	12.493					
7,200.00	7,179.36	7,261.07	7,179.36	15.97	23.30	86.22	82.70	819.20	496.08	456.29	39.79	12.469					
7,300.00	7,279.36	7,361.07	7,279.36	16.03	23.33	86.22	82.70	819.20	496.08	456.21	39.87	12.442					
7,400.00	7,379.36	7,461.07	7,379.36	16.08	23.37	86.22	82.70	819.20	496.08	456.12	39.96	12.416					
7,500.00	7,479.36	7,561.07	7,479.36	16.14	23.40	86.22	82.70	819.20	496.08	456.04	40.04	12.389					
7,600.00	7,579.36	7,661.07	7,579.36	16.20	23.44	86.22	82.70	819.20	496.08	455.95	40.13	12.362					
7,700.00	7,679.36	7,761.07	7,679.36	16.26	23.47	86.22	82.70	819.20	496.08	455.86	40.22	12.336					
7,800.00	7,779.36	7,861.07	7,779.36	16.31	23.51	86.22	82.70	819.20	496.08	455.78	40.30	12.309					
7,900.00	7,879.36	7,961.07	7,879.36	16.37	23.55	86.22	82.70	819.20	496.08	455.69	40.39	12.282					
8,000.00	7,979.36	8,061.07	7,979.36	16.43	23.58	86.22	82.70	819.20	496.08	455.60	40.48	12.255					
8,100.00	8,079.36	8,161.07	8,079.36	16.49	23.62	86.22	82.70	819.20	496.08	455.51	40.57	12.228					
8,200.00	8,179.36	8,261.07	8,179.36	16.55	23.66	86.22	82.70	819.20	496.08	455.42	40.66	12.202					
8,300.00	8,279.36	8,361.07	8,279.36	16.61	23.69	86.22	82.70	819.20	496.08	455.33	40.75	12.175					
8,400.00	8,379.36	8,461.07	8,379.36	16.67	23.73	86.22	82.70	819.20	496.08	455.24	40.84	12.148					
8,500.00	8,479.36	8,561.07	8,479.36	16.73	23.77	86.22	82.70	819.20	496.08	455.15	40.93	12.121					
8,600.00	8,579.36	8,661.07	8,579.36	16.78	23.81	86.22	82.70	819.20	496.08	455.06	41.02	12.094					
8,700.00	8,679.36	8,761.07	8,679.36	16.84	23.85	86.22	82.70	819.20	496.08	454.97	41.11	12.067					
8,800.00	8,779.36	8,861.07	8,779.36	16.90	23.88	86.22	82.70	819.20	496.08	454.88	41.20	12.040					
8,900.00	8,879.36	8,961.07	8,879.36	16.96	23.92	86.22	82.70	819.20	496.08	454.79	41.29	12.013					
9,000.00	8,979.36	9,061.07	8,979.36	17.02	23.96	86.22	82.70	819.20	496.08	454.69	41.39	11.987					
9,100.00	9,079.36	9,161.07	9,079.36	17.08	24.00	86.22	82.70	819.20	496.08	454.60	41.48	11.960					
9,200.00	9,179.36	9,261.07	9,179.36	17.14	24.04	86.22	82.70	819.20	496.08	454.51	41.57	11.933					
9,300.00	9,279.36	9,361.07	9,279.36	17.21	24.08	86.22	82.70	819.20	496.08	454.41	41.67	11.906					
9,400.00	9,379.36	9,461.07	9,379.36	17.27	24.12	86.22	82.70	819.20	496.08	454.32	41.76	11.879					
9,500.00	9,479.36	9,561.07	9,479.36	17.33	24.16	86.22	82.70	819.20	496.08	454.22	41.86	11.852					
9,600.00	9,579.36	9,661.07	9,579.36	17.39	24.20	86.22	82.70	819.20	496.08	454.13	41.95	11.825					
9,700.00	9,679.36	9,761.07	9,679.36	17.45	24.24	86.22	82.70	819.20	496.08	454.03	42.05	11.798					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 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)	No-Go Distance (usft)	Separation Factor	Warning				
9,800.00	9,779.36	9,861.07	9,779.36	17.51	24.28	86.22	82.70	819.20	496.08	453.94	42.14	11.771					
9,900.00	9,879.36	9,961.07	9,879.36	17.57	24.32	86.22	82.70	819.20	496.08	453.84	42.24	11.745					
10,000.00	9,979.36	10,061.07	9,979.36	17.63	24.36	86.22	82.70	819.20	496.08	453.74	42.34	11.718					
10,010.89	9,990.25	10,071.96	9,990.25	17.64	24.36	86.22	82.70	819.20	496.08	453.73	42.35	11.715					
10,100.00	10,079.36	10,160.13	10,078.42	17.70	24.39	86.20	82.90	819.20	496.09	453.67	42.43	11.693					
10,200.00	10,179.36	10,252.07	10,169.49	17.76	24.40	84.88	94.38	819.19	497.07	454.47	42.60	11.669					
10,300.00	10,279.36	10,336.74	10,250.01	17.82	24.41	81.93	120.19	819.16	500.77	457.92	42.85	11.687					
10,318.18	10,297.54	10,350.00	10,262.16	17.83	24.41	81.33	125.51	819.15	501.93	459.03	42.90	11.700					
10,325.00	10,304.36	10,356.29	10,267.87	17.83	24.41	81.04	128.16	819.15	502.40	459.48	42.92	11.705					
10,350.00	10,329.34	10,375.00	10,284.64	17.83	24.41	79.96	136.45	819.14	504.24	461.25	42.99	11.730					
10,375.00	10,354.23	10,394.43	10,301.69	17.83	24.41	78.87	145.76	819.13	506.21	463.17	43.04	11.762					
10,400.00	10,378.96	10,413.17	10,317.77	17.84	24.41	77.82	155.38	819.12	508.30	465.21	43.09	11.796					
10,425.00	10,403.47	10,431.71	10,333.30	17.84	24.42	76.81	165.52	819.10	510.49	467.35	43.14	11.832					
10,450.00	10,427.69	10,450.00	10,348.21	17.84	24.42	75.82	176.10	819.09	512.76	469.56	43.20	11.870					
10,475.00	10,451.56	10,468.28	10,362.70	17.85	24.42	74.87	187.24	819.08	515.08	471.83	43.25	11.909					
10,500.00	10,475.00	10,486.32	10,376.58	17.85	24.43	73.95	198.77	819.06	517.44	474.13	43.31	11.948					
10,525.00	10,497.95	10,504.22	10,389.91	17.85	24.43	73.07	210.72	819.05	519.81	476.45	43.36	11.987					
10,550.00	10,520.36	10,525.00	10,404.80	17.86	24.44	72.13	225.20	819.03	522.19	478.79	43.40	12.032					
10,575.00	10,542.15	10,539.65	10,414.92	17.86	24.44	71.43	235.80	819.02	524.53	481.05	43.48	12.064					
10,600.00	10,563.28	10,557.19	10,426.59	17.87	24.45	70.66	248.88	819.01	526.84	483.30	43.54	12.100					
10,625.00	10,583.67	10,575.00	10,437.95	17.87	24.45	69.93	262.60	818.99	529.09	485.49	43.60	12.135					
10,650.00	10,603.29	10,591.97	10,448.29	17.88	24.46	69.27	276.06	818.97	531.28	487.61	43.67	12.167					
10,675.00	10,622.06	10,609.24	10,458.31	17.89	24.47	68.63	290.12	818.96	533.37	489.65	43.73	12.197					
10,700.00	10,639.95	10,625.00	10,467.01	17.89	24.47	68.07	303.27	818.94	535.38	491.58	43.80	12.223					
10,725.00	10,656.89	10,643.54	10,476.68	17.90	24.48	67.50	319.08	818.92	537.26	493.41	43.86	12.250					
10,750.00	10,672.85	10,660.59	10,485.02	17.92	24.49	67.00	333.95	818.91	539.03	495.11	43.92	12.272					
10,775.00	10,687.78	10,675.00	10,491.66	17.93	24.50	66.59	346.74	818.89	540.67	496.67	44.00	12.288					
10,800.00	10,701.65	10,694.53	10,500.03	17.94	24.51	66.14	364.39	818.87	542.15	498.10	44.05	12.307					
10,825.00	10,714.40	10,711.43	10,506.68	17.96	24.52	65.78	379.92	818.85	543.49	499.37	44.11	12.320					
10,850.00	10,726.02	10,725.00	10,511.63	17.98	24.53	65.50	392.56	818.84	544.68	500.50	44.18	12.328					
10,875.00	10,736.45	10,745.13	10,518.29	18.00	24.55	65.21	411.55	818.82	545.67	501.44	44.23	12.336					
10,900.00	10,745.69	10,761.94	10,523.24	18.02	24.56	64.99	427.61	818.80	546.51	502.22	44.29	12.340					
10,925.00	10,753.70	10,775.00	10,526.70	18.04	24.57	64.83	440.21	818.78	547.19	502.85	44.34	12.340					
10,950.00	10,760.45	10,795.49	10,531.42	18.07	24.59	64.69	460.14	818.76	547.66	503.26	44.39	12.337					
10,975.00	10,765.94	10,812.24	10,534.64	18.10	24.61	64.62	476.58	818.74	547.95	503.52	44.44	12.331					
11,000.00	10,770.14	10,825.00	10,536.70	18.13	24.62	64.59	489.17	818.72	548.09	503.62	44.47	12.324					
11,025.00	10,773.05	10,845.74	10,539.34	18.17	24.64	64.61	509.74	818.70	547.99	503.48	44.52	12.310					
11,050.00	10,774.66	10,862.50	10,540.82	18.21	24.66	64.67	526.43	818.68	547.74	503.18	44.55	12.294					
11,066.99	10,775.00	10,875.00	10,541.54	18.24	24.67	64.75	538.91	818.67	547.46	502.88	44.58	12.281					
11,100.00	10,775.08	10,897.63	10,542.03	18.29	24.70	64.79	561.54	818.64	547.15	502.53	44.62	12.263					
11,200.00	10,775.33	10,997.63	10,542.75	18.50	24.85	64.83	661.53	818.52	546.95	502.02	44.93	12.174					
11,300.00	10,775.58	11,097.63	10,543.47	18.75	25.04	64.88	761.53	818.41	546.75	501.46	45.29	12.071					
11,400.00	10,775.83	11,197.63	10,544.18	19.04	25.25	64.92	861.52	818.29	546.55	500.84	45.71	11.957					
11,500.00	10,776.08	11,297.62	10,544.90	19.36	25.49	64.97	961.52	818.17	546.36	500.18	46.18	11.831					
11,600.00	10,776.32	11,397.62	10,545.62	19.72	25.75	65.01	1,061.52	818.06	546.16	499.46	46.70	11.695					
11,700.00	10,776.57	11,497.62	10,546.33	20.10	26.04	65.06	1,161.51	817.94	545.96	498.69	47.27	11.551					
11,800.00	10,776.82	11,597.62	10,547.05	20.52	26.36	65.10	1,261.51	817.82	545.76	497.88	47.88	11.399					
11,900.00	10,777.07	11,697.62	10,547.77	20.96	26.70	65.15	1,361.51	817.71	545.56	497.03	48.54	11.240					
12,000.00	10,777.32	11,797.62	10,548.48	21.43	27.07	65.19	1,461.50	817.59	545.37	496.13	49.24	11.076					
12,100.00	10,777.56	11,897.62	10,549.20	21.92	27.46	65.24	1,561.50	817.47	545.17	495.19	49.98	10.908					
12,200.00	10,777.81	11,997.62	10,549.92	22.44	27.87	65.28	1,661.49	817.35	544.97	494.21	50.76	10.736					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 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)	No-Go Distance (usft)	Separation Factor	Warning				
12,300.00	10,778.06	12,097.62	10,550.63	22.97	28.30	65.32	1,761.49	817.24	544.78	493.20	51.58	10.561					
12,400.00	10,778.31	12,197.61	10,551.35	23.53	28.75	65.37	1,861.49	817.12	544.58	492.14	52.44	10.385					
12,500.00	10,778.56	12,297.61	10,552.06	24.10	29.22	65.41	1,961.48	817.00	544.39	491.06	53.33	10.208					
12,600.00	10,778.80	12,397.61	10,552.78	24.69	29.71	65.46	2,061.48	816.89	544.19	489.94	54.25	10.031					
12,700.00	10,779.05	12,497.61	10,553.50	25.30	30.21	65.50	2,161.48	816.77	544.00	488.79	55.21	9.854					
12,800.00	10,779.30	12,597.61	10,554.21	25.92	30.73	65.55	2,261.47	816.65	543.80	487.61	56.19	9.678					
12,900.00	10,779.55	12,697.61	10,554.93	26.55	31.26	65.59	2,361.47	816.54	543.61	486.41	57.20	9.503					
13,000.00	10,779.80	12,797.61	10,555.65	27.20	31.81	65.64	2,461.46	816.42	543.42	485.18	58.24	9.330					
13,100.00	10,780.05	12,897.61	10,556.36	27.86	32.37	65.68	2,561.46	816.30	543.22	483.92	59.31	9.160					
13,200.00	10,780.29	12,997.61	10,557.08	28.53	32.95	65.73	2,661.46	816.19	543.03	482.64	60.39	8.991					
13,300.00	10,780.54	13,097.60	10,557.80	29.20	33.54	65.77	2,761.45	816.07	542.84	481.33	61.51	8.826					
13,400.00	10,780.79	13,197.60	10,558.51	29.89	34.14	65.82	2,861.45	815.95	542.65	480.01	62.64	8.663					
13,500.00	10,781.04	13,297.60	10,559.23	30.59	34.75	65.86	2,961.45	815.84	542.45	478.66	63.79	8.504					
13,600.00	10,781.29	13,397.60	10,559.95	31.29	35.37	65.91	3,061.44	815.72	542.26	477.30	64.96	8.347					
13,700.00	10,781.53	13,497.60	10,560.66	32.00	36.00	65.95	3,161.44	815.60	542.07	475.91	66.16	8.194					
13,800.00	10,781.78	13,597.60	10,561.38	32.72	36.64	66.00	3,261.43	815.48	541.88	474.51	67.37	8.044					
13,900.00	10,782.03	13,697.60	10,562.09	33.45	37.28	66.04	3,361.43	815.37	541.69	473.10	68.59	7.897					
14,000.00	10,782.28	13,797.60	10,562.81	34.18	37.94	66.09	3,461.43	815.25	541.50	471.67	69.83	7.754					
14,100.00	10,782.53	13,897.60	10,563.53	34.91	38.60	66.14	3,561.42	815.13	541.31	470.22	71.09	7.614					
14,200.00	10,782.78	13,997.60	10,564.24	35.66	39.28	66.18	3,661.42	815.02	541.12	468.76	72.36	7.478					
14,300.00	10,783.02	14,097.59	10,564.96	36.40	39.95	66.23	3,761.42	814.90	540.93	467.28	73.65	7.345					
14,400.00	10,783.27	14,197.59	10,565.68	37.16	40.64	66.27	3,861.41	814.78	540.74	465.80	74.94	7.215					
14,500.00	10,783.52	14,297.59	10,566.39	37.91	41.33	66.32	3,961.41	814.67	540.55	464.30	76.25	7.089					
14,600.00	10,783.77	14,397.59	10,567.11	38.67	42.03	66.36	4,061.40	814.55	540.36	462.79	77.58	6.966					
14,700.00	10,784.02	14,497.59	10,567.83	39.44	42.73	66.41	4,161.40	814.43	540.18	461.27	78.91	6.846					
14,800.00	10,784.26	14,597.59	10,568.54	40.21	43.44	66.45	4,261.40	814.32	539.99	459.74	80.25	6.729					
14,900.00	10,784.51	14,697.59	10,569.26	40.98	44.16	66.50	4,361.39	814.20	539.80	458.19	81.61	6.615					
15,000.00	10,784.76	14,797.59	10,569.98	41.76	44.88	66.54	4,461.39	814.08	539.62	456.64	82.97	6.504					
15,100.00	10,785.01	14,897.59	10,570.69	42.54	45.60	66.59	4,561.39	813.97	539.43	455.08	84.34	6.396					
15,200.00	10,785.26	14,997.58	10,571.41	43.32	46.33	66.64	4,661.38	813.85	539.24	453.52	85.73	6.290					
15,300.00	10,785.51	15,097.58	10,572.13	44.10	47.06	66.68	4,761.38	813.73	539.06	451.94	87.12	6.188					
15,400.00	10,785.75	15,197.58	10,572.84	44.89	47.80	66.73	4,861.37	813.61	538.87	450.35	88.52	6.088					
15,500.00	10,786.00	15,297.58	10,573.56	45.68	48.54	66.77	4,961.37	813.50	538.69	448.76	89.92	5.991					
15,600.00	10,786.25	15,397.58	10,574.27	46.47	49.28	66.82	5,061.37	813.38	538.50	447.16	91.34	5.896					
15,700.00	10,786.50	15,497.58	10,574.99	47.26	50.03	66.86	5,161.36	813.26	538.32	445.56	92.76	5.803					
15,800.00	10,786.75	15,597.58	10,575.71	48.06	50.78	66.91	5,261.36	813.15	538.13	443.95	94.19	5.713					
15,900.00	10,786.99	15,697.58	10,576.42	48.86	51.54	66.96	5,361.36	813.03	537.95	442.33	95.62	5.626					
16,000.00	10,787.24	15,797.58	10,577.14	49.66	52.30	67.00	5,461.35	812.91	537.77	440.70	97.06	5.540					
16,100.00	10,787.49	15,897.57	10,577.86	50.46	53.06	67.05	5,561.35	812.80	537.58	439.07	98.51	5.457					
16,200.00	10,787.74	15,997.57	10,578.57	51.27	53.82	67.09	5,661.35	812.68	537.40	437.44	99.96	5.376					
16,300.00	10,787.99	16,097.57	10,579.29	52.07	54.59	67.14	5,761.34	812.56	537.22	435.79	101.42	5.297					
16,400.00	10,788.24	16,197.57	10,580.01	52.88	55.36	67.19	5,861.34	812.45	537.04	434.15	102.89	5.220					
16,500.00	10,788.48	16,297.57	10,580.72	53.69	56.13	67.23	5,961.33	812.33	536.85	432.50	104.36	5.144					
16,600.00	10,788.73	16,397.57	10,581.44	54.50	56.90	67.28	6,061.33	812.21	536.67	430.84	105.83	5.071					
16,700.00	10,788.98	16,497.57	10,582.16	55.31	57.68	67.32	6,161.33	812.10	536.49	429.18	107.31	4.999					
16,800.00	10,789.23	16,597.57	10,582.87	56.13	58.46	67.37	6,261.32	811.98	536.31	427.52	108.79	4.930					
16,900.00	10,789.48	16,697.57	10,583.59	56.94	59.24	67.42	6,361.32	811.86	536.13	425.85	110.28	4.861					
17,000.00	10,789.72	16,797.56	10,584.31	57.76	60.02	67.46	6,461.32	811.74	535.95	424.17	111.78	4.795					
17,100.00	10,789.97	16,897.56	10,585.02	58.57	60.81	67.51	6,561.31	811.63	535.77	422.50	113.27	4.730					
17,200.00	10,790.22	16,997.56	10,585.74	59.39	61.60	67.56	6,661.31	811.51	535.59	420.82	114.78	4.666					
17,300.00	10,790.47	17,097.56	10,586.45	60.21	62.39	67.60	6,761.30	811.39	535.41	419.13	116.28	4.604					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2														Offset Site Error:
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:
Rule Assigned:														
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning	
Depth	Depth	Depth	Depth	Reference	Offset	Toolface	+N/-S	+E/-W	Between	Between	Distance	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)			
17,400.00	10,790.72	17,197.56	10,587.17	61.03	63.18	67.65	6,861.30	811.28	535.23	417.44	117.79	4.544		
17,500.00	10,790.96	17,297.56	10,587.89	61.85	63.97	67.69	6,961.30	811.16	535.06	415.75	119.30	4.485		
17,600.00	10,791.21	17,397.56	10,588.60	62.68	64.76	67.74	7,061.29	811.04	534.88	414.06	120.82	4.427		
17,700.00	10,791.46	17,497.56	10,589.32	63.50	65.56	67.79	7,161.29	810.93	534.70	412.36	122.34	4.371		
17,800.00	10,791.71	17,597.56	10,590.04	64.32	66.35	67.83	7,261.29	810.81	534.52	410.66	123.86	4.315		
17,900.00	10,791.96	17,697.55	10,590.75	65.15	67.15	67.88	7,361.28	810.69	534.35	408.95	125.39	4.261		
18,000.00	10,792.21	17,797.55	10,591.47	65.97	67.95	67.93	7,461.28	810.58	534.17	407.25	126.92	4.209		
18,100.00	10,792.45	17,897.55	10,592.19	66.80	68.75	67.97	7,561.27	810.46	533.99	405.54	128.46	4.157		
18,200.00	10,792.70	17,997.55	10,592.90	67.63	69.56	68.02	7,661.27	810.34	533.82	403.83	129.99	4.107		
18,300.00	10,792.95	18,097.55	10,593.62	68.46	70.36	68.07	7,761.27	810.22	533.64	402.11	131.53	4.057		
18,400.00	10,793.20	18,197.55	10,594.34	69.29	71.17	68.11	7,861.26	810.11	533.47	400.39	133.07	4.009		
18,500.00	10,793.45	18,297.55	10,595.05	70.12	71.97	68.16	7,961.26	809.99	533.29	398.67	134.62	3.962		
18,600.00	10,793.69	18,397.55	10,595.77	70.95	72.78	68.21	8,061.26	809.87	533.12	396.95	136.17	3.915		
18,700.00	10,793.94	18,497.55	10,596.48	71.78	73.59	68.25	8,161.25	809.76	532.94	395.23	137.72	3.870		
18,800.00	10,794.19	18,597.54	10,597.20	72.61	74.40	68.30	8,261.25	809.64	532.77	393.50	139.27	3.825		
18,900.00	10,794.44	18,697.54	10,597.92	73.44	75.21	68.35	8,361.24	809.52	532.60	391.77	140.83	3.782		
19,000.00	10,794.69	18,797.54	10,598.63	74.27	76.02	68.39	8,461.24	809.41	532.43	390.04	142.38	3.739		
19,100.00	10,794.94	18,897.54	10,599.35	75.11	76.83	68.44	8,561.24	809.29	532.25	388.31	143.94	3.698		
19,200.00	10,795.18	18,997.54	10,600.07	75.94	77.65	68.49	8,661.23	809.17	532.08	386.57	145.51	3.657		
19,300.00	10,795.43	19,097.54	10,600.78	76.77	78.46	68.53	8,761.23	809.06	531.91	384.84	147.07	3.617		
19,400.00	10,795.68	19,197.54	10,601.50	77.61	79.28	68.58	8,861.23	808.94	531.74	383.10	148.64	3.577		
19,500.00	10,795.93	19,297.54	10,602.22	78.45	80.09	68.63	8,961.22	808.82	531.57	381.36	150.21	3.539		
19,600.00	10,796.18	19,397.54	10,602.93	79.28	80.91	68.67	9,061.22	808.71	531.40	379.62	151.78	3.501		
19,700.00	10,796.42	19,497.53	10,603.65	80.12	81.73	68.72	9,161.21	808.59	531.22	377.87	153.35	3.464		
19,800.00	10,796.67	19,597.53	10,604.37	80.95	82.55	68.77	9,261.21	808.47	531.05	376.12	154.93	3.428		
19,900.00	10,796.92	19,697.53	10,605.08	81.79	83.37	68.82	9,361.21	808.35	530.89	374.38	156.51	3.392		
20,000.00	10,797.17	19,797.53	10,605.80	82.63	84.19	68.86	9,461.20	808.24	530.72	372.63	158.09	3.357		
20,100.00	10,797.42	19,897.53	10,606.52	83.47	85.01	68.91	9,561.20	808.12	530.55	370.88	159.67	3.323		
20,200.00	10,797.67	19,997.53	10,607.23	84.31	85.83	68.96	9,661.20	808.00	530.38	369.13	161.25	3.289		
20,300.00	10,797.91	20,097.53	10,607.95	85.14	86.65	69.00	9,761.19	807.89	530.21	367.37	162.84	3.256		
20,400.00	10,798.16	20,197.53	10,608.66	85.98	87.47	69.05	9,861.19	807.77	530.04	365.62	164.43	3.224		
20,500.00	10,798.41	20,297.53	10,609.38	86.82	88.30	69.10	9,961.18	807.65	529.87	363.86	166.02	3.192		
20,600.00	10,798.66	20,397.52	10,610.10	87.66	89.12	69.15	10,061.18	807.54	529.71	362.10	167.61	3.160		
20,700.00	10,798.91	20,497.52	10,610.81	88.50	89.95	69.19	10,161.18	807.42	529.54	360.34	169.20	3.130		
20,800.00	10,799.15	20,597.52	10,611.53	89.34	90.77	69.24	10,261.17	807.30	529.37	358.58	170.79	3.100		
20,900.00	10,799.40	20,697.52	10,612.25	90.18	91.60	69.29	10,361.17	807.19	529.21	356.82	172.39	3.070		
21,000.00	10,799.65	20,797.52	10,612.96	91.03	92.43	69.34	10,461.17	807.07	529.04	355.06	173.99	3.041		
21,100.00	10,799.90	20,897.52	10,613.68	91.87	93.25	69.38	10,561.16	806.95	528.88	353.29	175.59	3.012		
21,140.85	10,800.00	20,938.37	10,613.97	92.21	93.59	69.40	10,602.01	806.90	528.81	352.57	176.24	3.001		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 903H - OWB - PWP2													Offset Site Error:	0.00 usft	
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9992-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error:	0.00 usft	
Rule Assigned: Distance															
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)	No-Go Distance (usft)	Separation Factor	Warning		
0.00	0.00	0.10	0.00	0.00	0.00	-0.38	60.00	-0.40	60.00						
100.00	100.00	100.10	100.00	0.77	0.77	-0.38	60.00	-0.40	60.00	58.01	1.99	30.123			
200.00	200.00	200.10	200.00	1.44	1.44	-0.38	60.00	-0.40	60.00	56.69	3.31	18.116			
300.00	300.00	300.10	300.00	1.88	1.88	-0.38	60.00	-0.40	60.00	55.81	4.20	14.301			
400.00	400.00	400.10	400.00	2.25	2.25	-0.38	60.00	-0.40	60.00	55.09	4.91	12.215			
500.00	500.00	500.10	500.00	2.56	2.56	-0.38	60.00	-0.40	60.00	54.47	5.53	10.844			
600.00	600.00	600.10	600.00	2.84	2.84	-0.38	60.00	-0.40	60.00	53.91	6.09	9.852			
700.00	700.00	700.10	700.00	3.10	3.10	-0.38	60.00	-0.40	60.00	53.40	6.60	9.089			
800.00	800.00	800.10	800.00	3.34	3.34	-0.38	60.00	-0.40	60.00	52.92	7.08	8.479			
900.00	900.00	900.10	900.00	3.57	3.57	-0.38	60.00	-0.40	60.00	52.48	7.52	7.975			
1,000.00	1,000.00	1,000.10	1,000.00	3.79	3.79	-0.38	60.00	-0.40	60.00	52.05	7.95	7.550			
1,100.00	1,100.00	1,100.10	1,100.00	3.99	3.99	-0.38	60.00	-0.40	60.00	51.65	8.35	7.184			
1,200.00	1,200.00	1,200.10	1,200.00	4.19	4.19	-0.38	60.00	-0.40	60.00	51.26	8.74	6.865			
1,300.00	1,300.00	1,300.10	1,300.00	4.38	4.38	-0.38	60.00	-0.40	60.00	50.89	9.11	6.584			
1,400.00	1,400.00	1,400.10	1,400.00	4.56	4.56	-0.38	60.00	-0.40	60.00	50.53	9.47	6.334			
1,500.00	1,500.00	1,500.10	1,500.00	4.74	4.74	-0.38	60.00	-0.40	60.00	50.18	9.82	6.108			
1,600.00	1,600.00	1,600.10	1,600.00	4.91	4.91	-0.38	60.00	-0.40	60.00	49.84	10.16	5.904			
1,700.00	1,700.00	1,700.10	1,700.00	5.08	5.08	-0.38	60.00	-0.40	60.00	49.51	10.49	5.718			
1,800.00	1,800.00	1,800.10	1,800.00	5.24	5.24	-0.38	60.00	-0.40	60.00	49.19	10.82	5.548			
1,900.00	1,900.00	1,900.10	1,900.00	5.40	5.40	-0.38	60.00	-0.40	60.00	48.87	11.13	5.390			
1,966.63	1,966.63	1,966.73	1,966.63	5.50	5.50	-0.38	60.00	-0.40	60.00	48.66	11.34	5.293 CC			
2,000.00	2,000.00	2,000.00	1,999.90	5.56	5.56	-0.38	60.00	-0.40	60.00	48.56	11.44	5.245 ES			
2,100.00	2,099.99	2,098.83	2,098.72	5.70	5.78	-57.36	60.99	-1.79	60.55	48.80	11.75	5.154			
2,200.00	2,199.96	2,197.25	2,196.99	5.84	6.01	-63.01	63.93	-5.93	62.62	50.57	12.05	5.198			
2,300.00	2,299.86	2,295.02	2,294.40	6.00	6.25	-71.42	68.79	-12.77	67.32	54.94	12.38	5.439			
2,400.00	2,399.68	2,391.84	2,390.52	6.17	6.50	-81.03	75.50	-22.21	75.97	63.23	12.74	5.963			
2,500.00	2,499.37	2,490.00	2,487.73	6.36	6.71	-90.16	83.41	-33.34	88.23	75.13	13.10	6.735			
2,600.00	2,598.89	2,587.91	2,584.68	6.59	6.93	-114.36	91.30	-44.45	103.96	90.43	13.53	7.686			
2,700.00	2,698.16	2,685.09	2,680.91	6.85	7.16	-130.94	99.14	-55.47	124.38	110.43	13.96	8.911			
2,717.41	2,715.41	2,701.92	2,697.58	6.88	7.21	-133.24	100.50	-57.38	128.39	114.37	14.02	9.157			
2,800.00	2,797.19	2,781.71	2,776.60	7.08	7.41	-136.81	106.93	-66.44	147.98	133.59	14.38	10.289			
2,900.00	2,896.22	2,878.32	2,872.27	7.34	7.68	-140.05	114.72	-77.40	172.24	157.39	14.85	11.599			
3,000.00	2,995.25	2,974.94	2,967.94	7.62	7.96	-142.49	122.52	-88.36	196.90	181.56	15.34	12.832			
3,100.00	3,094.27	3,071.55	3,063.61	7.91	8.25	-144.39	130.31	-99.32	221.82	205.96	15.86	13.982			
3,200.00	3,193.30	3,168.16	3,159.28	8.21	8.55	-145.90	138.10	-110.28	246.92	230.52	16.41	15.050			
3,300.00	3,292.33	3,267.33	3,257.53	8.53	8.87	-147.17	145.94	-121.33	271.91	254.92	16.99	16.004			
3,400.00	3,391.35	3,369.35	3,358.79	8.85	9.20	-148.31	153.09	-131.38	295.49	277.88	17.61	16.782			
3,500.00	3,490.38	3,472.17	3,461.07	9.19	9.53	-149.35	159.23	-140.02	317.45	299.22	18.23	17.417			
3,600.00	3,589.41	3,575.75	3,564.26	9.53	9.86	-150.32	164.35	-147.22	337.77	318.92	18.85	17.919			
3,700.00	3,688.43	3,680.01	3,668.29	9.88	10.18	-151.26	168.40	-152.92	356.43	336.96	19.47	18.307			
3,800.00	3,787.46	3,784.91	3,773.06	10.24	10.49	-152.17	171.37	-157.11	373.43	353.35	20.08	18.594			
3,900.00	3,886.49	3,890.36	3,878.46	10.60	10.77	-153.07	173.24	-159.73	388.75	368.07	20.68	18.799			
4,000.00	3,985.52	3,996.31	3,984.40	10.97	11.01	-153.98	173.99	-160.78	402.40	381.17	21.23	18.953			
4,100.00	4,084.54	4,096.45	4,084.54	11.34	11.10	-154.83	174.00	-160.80	414.99	393.34	21.65	19.165			
4,200.00	4,183.57	4,195.48	4,183.57	11.71	11.17	-155.62	174.00	-160.80	427.65	405.58	22.07	19.376			
4,300.00	4,282.60	4,294.50	4,282.60	12.09	11.24	-156.37	174.00	-160.80	440.39	417.89	22.50	19.573			
4,365.62	4,347.58	4,359.48	4,347.58	12.33	11.29	-156.84	174.00	-160.80	448.78	426.01	22.77	19.711			
4,400.00	4,381.64	4,393.55	4,381.64	12.45	11.31	-157.09	174.00	-160.80	453.10	430.19	22.90	19.783			
4,500.00	4,480.86	4,492.76	4,480.86	12.82	11.39	-157.73	174.00	-160.80	464.61	441.27	23.34	19.904			
4,600.00	4,580.28	4,592.19	4,580.28	13.19	11.46	-158.26	174.00	-160.80	474.56	450.79	23.78	19.959			
4,700.00	4,679.87	4,691.78	4,679.87	13.55	11.53	-158.68	174.00	-160.80	482.93	458.73	24.20	19.952			

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 903H - OWB - PWP2														Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9992-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:	0.00 usft
Reference: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9992-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:	
Offset														Distance	
Semi Major Axis														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)	No-Go Distance (usft)	Separation Factor	Warning		
4,800.00	4,779.61	4,791.52	4,779.61	13.90	11.61	-159.01	174.00	-160.80	489.69	465.07	24.62	19.890			
4,900.00	4,879.45	4,891.36	4,879.45	14.23	11.68	-159.26	174.00	-160.80	494.84	469.82	25.02	19.778			
5,000.00	4,979.38	4,991.29	4,979.38	14.53	11.76	-159.43	174.00	-160.80	498.36	472.96	25.39	19.624			
5,100.00	5,079.36	5,091.27	5,079.36	14.80	11.83	-159.51	174.00	-160.80	500.25	474.52	25.73	19.440			
5,165.64	5,145.00	5,156.91	5,145.00	14.88	11.88	-75.66	174.00	-160.80	500.60	474.74	25.86	19.357			
5,200.00	5,179.36	5,191.27	5,179.36	14.88	11.90	-75.66	174.00	-160.80	500.60	474.71	25.89	19.335			
5,300.00	5,279.36	5,291.27	5,279.36	14.94	11.98	-75.66	174.00	-160.80	500.60	474.58	26.02	19.241			
5,400.00	5,379.36	5,391.27	5,379.36	14.99	12.05	-75.66	174.00	-160.80	500.60	474.46	26.14	19.147			
5,500.00	5,479.36	5,491.27	5,479.36	15.04	12.13	-75.66	174.00	-160.80	500.60	474.33	26.27	19.055			
5,600.00	5,579.36	5,591.27	5,579.36	15.09	12.20	-75.66	174.00	-160.80	500.60	474.20	26.40	18.963			
5,700.00	5,679.36	5,691.27	5,679.36	15.15	12.28	-75.66	174.00	-160.80	500.60	474.07	26.53	18.871			
5,800.00	5,779.36	5,791.27	5,779.36	15.20	12.35	-75.66	174.00	-160.80	500.60	473.94	26.66	18.780			
5,900.00	5,879.36	5,891.27	5,879.36	15.25	12.42	-75.66	174.00	-160.80	500.60	473.82	26.78	18.690			
6,000.00	5,979.36	5,991.27	5,979.36	15.31	12.50	-75.66	174.00	-160.80	500.60	473.69	26.91	18.600			
6,100.00	6,079.36	6,091.27	6,079.36	15.36	12.57	-75.66	174.00	-160.80	500.60	473.56	27.04	18.511			
6,200.00	6,179.36	6,191.27	6,179.36	15.42	12.65	-75.66	174.00	-160.80	500.60	473.43	27.17	18.423			
6,300.00	6,279.36	6,291.27	6,279.36	15.47	12.72	-75.66	174.00	-160.80	500.60	473.30	27.30	18.335			
6,400.00	6,379.36	6,391.27	6,379.36	15.52	12.80	-75.66	174.00	-160.80	500.60	473.17	27.43	18.248			
6,500.00	6,479.36	6,491.27	6,479.36	15.58	12.87	-75.66	174.00	-160.80	500.60	473.04	27.56	18.161			
6,600.00	6,579.36	6,591.27	6,579.36	15.63	12.95	-75.66	174.00	-160.80	500.60	472.91	27.70	18.075			
6,700.00	6,679.36	6,691.27	6,679.36	15.69	13.03	-75.66	174.00	-160.80	500.60	472.77	27.83	17.990			
6,800.00	6,779.36	6,791.27	6,779.36	15.75	13.10	-75.66	174.00	-160.80	500.60	472.64	27.96	17.905			
6,900.00	6,879.36	6,891.27	6,879.36	15.80	13.18	-75.66	174.00	-160.80	500.60	472.51	28.09	17.821			
7,000.00	6,979.36	6,991.27	6,979.36	15.86	13.25	-75.66	174.00	-160.80	500.60	472.38	28.22	17.738			
7,100.00	7,079.36	7,091.27	7,079.36	15.91	13.33	-75.66	174.00	-160.80	500.60	472.25	28.36	17.655			
7,200.00	7,179.36	7,191.27	7,179.36	15.97	13.40	-75.66	174.00	-160.80	500.60	472.11	28.49	17.572			
7,300.00	7,279.36	7,291.27	7,279.36	16.03	13.48	-75.66	174.00	-160.80	500.60	471.98	28.62	17.491			
7,400.00	7,379.36	7,391.27	7,379.36	16.08	13.56	-75.66	174.00	-160.80	500.60	471.85	28.75	17.409			
7,500.00	7,479.36	7,491.27	7,479.36	16.14	13.63	-75.66	174.00	-160.80	500.60	471.71	28.89	17.329			
7,600.00	7,579.36	7,591.27	7,579.36	16.20	13.71	-75.66	174.00	-160.80	500.60	471.58	29.02	17.249			
7,700.00	7,679.36	7,691.27	7,679.36	16.26	13.78	-75.66	174.00	-160.80	500.60	471.44	29.16	17.169			
7,800.00	7,779.36	7,791.27	7,779.36	16.31	13.86	-75.66	174.00	-160.80	500.60	471.31	29.29	17.090			
7,900.00	7,879.36	7,891.27	7,879.36	16.37	13.94	-75.66	174.00	-160.80	500.60	471.17	29.43	17.012			
8,000.00	7,979.36	7,991.27	7,979.36	16.43	14.01	-75.66	174.00	-160.80	500.60	471.04	29.56	16.934			
8,100.00	8,079.36	8,091.27	8,079.36	16.49	14.09	-75.66	174.00	-160.80	500.60	470.90	29.70	16.857			
8,200.00	8,179.36	8,191.27	8,179.36	16.55	14.16	-75.66	174.00	-160.80	500.60	470.77	29.83	16.780			
8,300.00	8,279.36	8,291.27	8,279.36	16.61	14.24	-75.66	174.00	-160.80	500.60	470.63	29.97	16.704			
8,400.00	8,379.36	8,391.27	8,379.36	16.67	14.32	-75.66	174.00	-160.80	500.60	470.50	30.10	16.629			
8,500.00	8,479.36	8,491.27	8,479.36	16.73	14.39	-75.66	174.00	-160.80	500.60	470.36	30.24	16.554			
8,600.00	8,579.36	8,591.27	8,579.36	16.78	14.47	-75.66	174.00	-160.80	500.60	470.22	30.38	16.479			
8,700.00	8,679.36	8,691.27	8,679.36	16.84	14.55	-75.66	174.00	-160.80	500.60	470.09	30.51	16.405			
8,800.00	8,779.36	8,791.27	8,779.36	16.90	14.62	-75.66	174.00	-160.80	500.60	469.95	30.65	16.332			
8,900.00	8,879.36	8,891.27	8,879.36	16.96	14.70	-75.66	174.00	-160.80	500.60	469.81	30.79	16.259			
9,000.00	8,979.36	8,991.27	8,979.36	17.02	14.78	-75.66	174.00	-160.80	500.60	469.67	30.93	16.187			
9,100.00	9,079.36	9,091.27	9,079.36	17.08	14.85	-75.66	174.00	-160.80	500.60	469.54	31.06	16.115			
9,200.00	9,179.36	9,191.27	9,179.36	17.14	14.93	-75.66	174.00	-160.80	500.60	469.40	31.20	16.044			
9,300.00	9,279.36	9,291.27	9,279.36	17.21	15.01	-75.66	174.00	-160.80	500.60	469.26	31.34	15.973			
9,400.00	9,379.36	9,391.27	9,379.36	17.27	15.09	-75.66	174.00	-160.80	500.60	469.12	31.48	15.902			
9,500.00	9,479.36	9,491.27	9,479.36	17.33	15.16	-75.66	174.00	-160.80	500.60	468.98	31.62	15.833			
9,600.00	9,579.36	9,591.27	9,579.36	17.39	15.24	-75.66	174.00	-160.80	500.60	468.84	31.76	15.763			
9,700.00	9,679.36	9,691.27	9,679.36	17.45	15.32	-75.66	174.00	-160.80	500.60	468.70	31.90	15.695			

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 903H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9992-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre	+N/-S (usft)	+E/-W (usft)	Distance	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
9,800.00	9,779.36	9,791.27	9,779.36	17.51	15.39	-75.66	174.00	-160.80	500.60	468.57	32.04	15.626					
9,900.00	9,879.36	9,891.27	9,879.36	17.57	15.47	-75.66	174.00	-160.80	500.60	468.43	32.18	15.559					
10,000.00	9,979.36	9,991.27	9,979.36	17.63	15.54	-75.66	174.00	-160.80	500.60	468.29	32.31	15.493					
10,100.00	10,079.36	10,070.13	10,057.88	17.70	15.56	-74.96	180.30	-160.81	502.67	470.30	32.37	15.529					
10,200.00	10,179.36	10,144.75	10,130.27	17.76	15.58	-73.02	198.08	-160.83	509.50	477.08	32.42	15.713					
10,300.00	10,279.36	10,212.43	10,192.82	17.82	15.61	-70.29	223.78	-160.86	522.47	489.93	32.53	16.060					
10,318.18	10,297.54	10,225.00	10,204.01	17.83	15.61	-69.69	229.52	-160.87	525.61	493.06	32.55	16.148					
10,325.00	10,304.36	10,225.00	10,204.01	17.83	15.61	-69.48	229.52	-160.87	526.85	494.31	32.54	16.191					
10,350.00	10,329.34	10,243.54	10,220.22	17.83	15.62	-68.10	238.51	-160.88	531.36	498.80	32.56	16.319					
10,375.00	10,354.23	10,258.89	10,233.37	17.83	15.62	-66.92	246.43	-160.88	535.89	503.28	32.61	16.433					
10,400.00	10,378.96	10,275.00	10,246.89	17.84	15.63	-65.75	255.18	-160.90	540.40	507.73	32.67	16.542					
10,425.00	10,403.47	10,289.36	10,258.68	17.84	15.64	-64.71	263.37	-160.90	544.86	512.10	32.75	16.636					
10,450.00	10,427.69	10,304.48	10,270.83	17.84	15.64	-63.68	272.37	-160.92	549.23	516.39	32.84	16.725					
10,475.00	10,451.56	10,319.53	10,282.64	17.85	15.65	-62.71	281.71	-160.93	553.50	520.56	32.94	16.804					
10,500.00	10,475.00	10,334.53	10,294.10	17.85	15.66	-61.79	291.38	-160.94	557.64	524.59	33.05	16.873					
10,525.00	10,497.95	10,350.00	10,305.60	17.85	15.66	-60.91	301.73	-160.95	561.63	528.47	33.17	16.934					
10,550.00	10,520.36	10,364.37	10,315.97	17.86	15.67	-60.13	311.66	-160.96	565.44	532.14	33.30	16.980					
10,575.00	10,542.15	10,375.00	10,323.46	17.86	15.68	-59.48	319.22	-160.97	569.09	535.61	33.48	16.998					
10,600.00	10,563.28	10,394.02	10,336.42	17.87	15.69	-58.70	333.14	-160.99	572.47	538.89	33.58	17.048					
10,625.00	10,583.67	10,408.80	10,346.10	17.87	15.69	-58.07	344.30	-161.00	575.66	541.93	33.73	17.067					
10,650.00	10,603.29	10,425.00	10,356.31	17.88	15.70	-57.47	356.88	-161.01	578.60	544.73	33.87	17.084					
10,675.00	10,622.06	10,438.25	10,364.34	17.89	15.71	-56.98	367.42	-161.03	581.28	547.25	34.04	17.078					
10,700.00	10,639.95	10,450.00	10,371.21	17.89	15.72	-56.57	376.95	-161.04	583.72	549.49	34.22	17.055					
10,725.00	10,656.89	10,467.59	10,381.06	17.90	15.73	-56.13	391.53	-161.05	585.85	551.49	34.35	17.054					
10,750.00	10,672.85	10,482.24	10,388.84	17.92	15.74	-55.79	403.93	-161.07	587.70	553.19	34.51	17.031					
10,775.00	10,687.78	10,500.00	10,397.77	17.93	15.75	-55.48	419.29	-161.09	589.28	554.65	34.63	17.016					
10,800.00	10,701.65	10,511.48	10,403.23	17.94	15.76	-55.27	429.39	-161.10	590.53	555.71	34.81	16.963					
10,825.00	10,714.40	10,525.00	10,409.35	17.96	15.77	-55.10	441.44	-161.11	591.49	556.52	34.97	16.915					
10,850.00	10,726.02	10,540.68	10,416.01	17.98	15.79	-54.98	455.64	-161.13	592.13	557.03	35.10	16.870					
10,875.00	10,736.45	10,555.28	10,421.79	18.00	15.80	-54.92	469.04	-161.15	592.47	557.23	35.24	16.815					
10,900.00	10,745.69	10,575.00	10,428.95	18.02	15.81	-54.92	487.42	-161.17	592.53	557.21	35.32	16.774					
10,925.00	10,753.70	10,584.46	10,432.11	18.04	15.82	-54.97	496.33	-161.18	592.20	556.72	35.48	16.689					
10,950.00	10,760.45	10,600.00	10,436.92	18.07	15.84	-55.08	511.11	-161.19	591.60	556.01	35.59	16.623					
10,975.00	10,765.94	10,613.66	10,440.75	18.10	15.85	-55.24	524.22	-161.21	590.69	554.99	35.70	16.546					
11,000.00	10,770.14	10,625.00	10,443.64	18.13	15.86	-55.44	535.18	-161.22	589.49	553.68	35.81	16.461					
11,025.00	10,773.05	10,642.90	10,447.67	18.17	15.88	-55.74	552.63	-161.24	587.96	552.08	35.88	16.387					
11,050.00	10,774.66	10,657.54	10,450.49	18.21	15.90	-56.07	566.99	-161.26	586.15	550.19	35.95	16.303					
11,066.99	10,775.00	10,667.51	10,452.15	18.24	15.91	-56.33	576.82	-161.27	584.75	548.75	36.00	16.245					
11,100.00	10,775.08	10,686.98	10,454.80	18.29	15.93	-56.54	596.11	-161.29	582.29	546.22	36.08	16.139					
11,200.00	10,775.33	10,752.36	10,458.12	18.50	16.02	-56.81	661.37	-161.37	579.41	543.02	36.39	15.922					
11,300.00	10,775.58	10,852.36	10,458.95	18.75	16.20	-56.85	761.36	-161.49	579.09	542.33	36.76	15.752					
11,400.00	10,775.83	10,952.36	10,459.79	19.04	16.43	-56.90	861.36	-161.60	578.77	541.58	37.20	15.560					
11,500.00	10,776.08	11,052.36	10,460.62	19.36	16.71	-56.95	961.35	-161.72	578.45	540.77	37.68	15.350					
11,600.00	10,776.32	11,152.36	10,461.45	19.72	17.03	-57.00	1,061.34	-161.84	578.13	539.91	38.23	15.124					
11,700.00	10,776.57	11,252.35	10,462.29	20.10	17.41	-57.05	1,161.34	-161.96	577.81	538.99	38.82	14.884					
11,800.00	10,776.82	11,352.35	10,463.12	20.52	17.82	-57.10	1,261.33	-162.07	577.50	538.03	39.46	14.633					
11,900.00	10,777.07	11,452.35	10,463.96	20.96	18.27	-57.15	1,361.33	-162.19	577.18	537.02	40.16	14.374					
12,000.00	10,777.32	11,552.35	10,464.79	21.43	18.76	-57.20	1,461.32	-162.31	576.86	535.97	40.89	14.107					
12,100.00	10,777.56	11,652.35	10,465.63	21.92	19.27	-57.24	1,561.32	-162.42	576.54	534.87	41.67	13.836					
12,200.00	10,777.81	11,752.35	10,466.46	22.44	19.81	-57.29	1,661.31	-162.54	576.23	533.74	42.49	13.562					
12,300.00	10,778.06	11,852.34	10,467.29	22.97	20.37	-57.34	1,761.31	-162.66	575.91	532.57	43.35	13.287					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 903H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9992-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 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)	No-Go Distance (usft)	Separation Factor	Warning				
12,400.00	10,778.31	11,952.34	10,468.13	23.53	20.96	-57.39	1,861.30	-162.78	575.60	531.36	44.24	13.011					
12,500.00	10,778.56	12,052.34	10,468.96	24.10	21.56	-57.44	1,961.30	-162.89	575.28	530.12	45.17	12.737					
12,600.00	10,778.80	12,152.34	10,469.80	24.69	22.19	-57.49	2,061.29	-163.01	574.97	528.84	46.12	12.466					
12,700.00	10,779.05	12,252.34	10,470.63	25.30	22.82	-57.54	2,161.29	-163.13	574.65	527.54	47.11	12.197					
12,800.00	10,779.30	12,352.34	10,471.47	25.92	23.48	-57.59	2,261.28	-163.24	574.34	526.21	48.13	11.933					
12,900.00	10,779.55	12,452.33	10,472.30	26.55	24.14	-57.64	2,361.28	-163.36	574.02	524.85	49.17	11.673					
13,000.00	10,779.80	12,552.33	10,473.14	27.20	24.82	-57.69	2,461.27	-163.48	573.71	523.47	50.24	11.418					
13,100.00	10,780.05	12,652.33	10,473.97	27.86	25.51	-57.74	2,561.27	-163.59	573.40	522.06	51.34	11.169					
13,200.00	10,780.29	12,752.33	10,474.80	28.53	26.21	-57.79	2,661.26	-163.71	573.09	520.63	52.45	10.926					
13,300.00	10,780.54	12,852.33	10,475.64	29.20	26.92	-57.84	2,761.26	-163.83	572.77	519.19	53.59	10.688					
13,400.00	10,780.79	12,952.33	10,476.47	29.89	27.63	-57.89	2,861.25	-163.95	572.46	517.72	54.74	10.457					
13,500.00	10,781.04	13,052.32	10,477.31	30.59	28.36	-57.94	2,961.24	-164.06	572.15	516.23	55.92	10.232					
13,600.00	10,781.29	13,152.32	10,478.14	31.29	29.09	-57.99	3,061.24	-164.18	571.84	514.73	57.11	10.013					
13,700.00	10,781.53	13,252.32	10,478.98	32.00	29.83	-58.04	3,161.23	-164.30	571.53	513.21	58.32	9.800					
13,800.00	10,781.78	13,352.32	10,479.81	32.72	30.58	-58.09	3,261.23	-164.41	571.22	511.68	59.54	9.594					
13,900.00	10,782.03	13,452.32	10,480.64	33.45	31.33	-58.14	3,361.22	-164.53	570.91	510.13	60.78	9.393					
14,000.00	10,782.28	13,552.31	10,481.48	34.18	32.08	-58.19	3,461.22	-164.65	570.60	508.57	62.03	9.198					
14,100.00	10,782.53	13,652.31	10,482.31	34.91	32.84	-58.24	3,561.21	-164.77	570.29	507.00	63.30	9.010					
14,200.00	10,782.78	13,752.31	10,483.15	35.66	33.61	-58.29	3,661.21	-164.88	569.99	505.41	64.58	8.826					
14,300.00	10,783.02	13,852.31	10,483.98	36.40	34.38	-58.34	3,761.20	-165.00	569.68	503.81	65.87	8.649					
14,400.00	10,783.27	13,952.31	10,484.82	37.16	35.16	-58.39	3,861.20	-165.12	569.37	502.20	67.17	8.477					
14,500.00	10,783.52	14,052.31	10,485.65	37.91	35.93	-58.44	3,961.19	-165.23	569.06	500.59	68.48	8.310					
14,600.00	10,783.77	14,152.30	10,486.49	38.67	36.71	-58.49	4,061.19	-165.35	568.76	498.96	69.80	8.148					
14,700.00	10,784.02	14,252.30	10,487.32	39.44	37.50	-58.54	4,161.18	-165.47	568.45	497.32	71.13	7.992					
14,800.00	10,784.26	14,352.30	10,488.15	40.21	38.29	-58.59	4,261.18	-165.59	568.15	495.68	72.47	7.840					
14,900.00	10,784.51	14,452.30	10,488.99	40.98	39.08	-58.64	4,361.17	-165.70	567.84	494.02	73.82	7.692					
15,000.00	10,784.76	14,552.30	10,489.82	41.76	39.87	-58.69	4,461.17	-165.82	567.54	492.36	75.18	7.549					
15,100.00	10,785.01	14,652.30	10,490.66	42.54	40.67	-58.74	4,561.16	-165.94	567.23	490.69	76.54	7.411					
15,200.00	10,785.26	14,752.29	10,491.49	43.32	41.47	-58.79	4,661.16	-166.05	566.93	489.01	77.92	7.276					
15,300.00	10,785.51	14,852.29	10,492.33	44.10	42.27	-58.84	4,761.15	-166.17	566.63	487.33	79.30	7.146					
15,400.00	10,785.75	14,952.29	10,493.16	44.89	43.07	-58.89	4,861.14	-166.29	566.32	485.64	80.68	7.019					
15,500.00	10,786.00	15,052.29	10,494.00	45.68	43.88	-58.94	4,961.14	-166.40	566.02	483.95	82.08	6.896					
15,600.00	10,786.25	15,152.29	10,494.83	46.47	44.68	-58.99	5,061.13	-166.52	565.72	482.24	83.48	6.777					
15,700.00	10,786.50	15,252.29	10,495.66	47.26	45.49	-59.04	5,161.13	-166.64	565.42	480.54	84.88	6.661					
15,800.00	10,786.75	15,352.28	10,496.50	48.06	46.30	-59.09	5,261.12	-166.76	565.12	478.83	86.29	6.549					
15,900.00	10,786.99	15,452.28	10,497.33	48.86	47.12	-59.15	5,361.12	-166.87	564.82	477.11	87.71	6.440					
16,000.00	10,787.24	15,552.28	10,498.17	49.66	47.93	-59.20	5,461.11	-166.99	564.52	475.39	89.13	6.333					
16,100.00	10,787.49	15,652.28	10,499.00	50.46	48.74	-59.25	5,561.11	-167.11	564.22	473.66	90.56	6.230					
16,200.00	10,787.74	15,752.28	10,499.84	51.27	49.56	-59.30	5,661.10	-167.22	563.92	471.93	91.99	6.130					
16,300.00	10,787.99	15,852.28	10,500.67	52.07	50.38	-59.35	5,761.10	-167.34	563.62	470.19	93.43	6.033					
16,400.00	10,788.24	15,952.27	10,501.50	52.88	51.20	-59.40	5,861.09	-167.46	563.32	468.45	94.87	5.938					
16,500.00	10,788.48	16,052.27	10,502.34	53.69	52.02	-59.45	5,961.09	-167.58	563.02	466.71	96.32	5.845					
16,600.00	10,788.73	16,152.27	10,503.17	54.50	52.84	-59.50	6,061.08	-167.69	562.73	464.96	97.77	5.756					
16,700.00	10,788.98	16,252.27	10,504.01	55.31	53.66	-59.56	6,161.08	-167.81	562.43	463.20	99.23	5.668					
16,800.00	10,789.23	16,352.27	10,504.84	56.13	54.49	-59.61	6,261.07	-167.93	562.13	461.45	100.68	5.583					
16,900.00	10,789.48	16,452.26	10,505.68	56.94	55.31	-59.66	6,361.07	-168.04	561.84	459.69	102.15	5.500					
17,000.00	10,789.72	16,552.26	10,506.51	57.76	56.14	-59.71	6,461.06	-168.16	561.54	457.93	103.61	5.420					
17,100.00	10,789.97	16,652.26	10,507.35	58.57	56.97	-59.76	6,561.06	-168.28	561.25	456.16	105.09	5.341					
17,200.00	10,790.22	16,752.26	10,508.18	59.39	57.79	-59.81	6,661.05	-168.39	560.95	454.39	106.56	5.264					
17,300.00	10,790.47	16,852.26	10,509.01	60.21	58.62	-59.87	6,761.04	-168.51	560.66	452.62	108.04	5.189					
17,400.00	10,790.72	16,952.26	10,509.85	61.03	59.45	-59.92	6,861.04	-168.63	560.36	450.85	109.52	5.117					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 903H - OWB - PWP2														Offset Site Error:
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9992-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:
Rule Assigned:														
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor		
17,500.00	10,790.96	17,052.25	10,510.68	61.85	60.28	-59.97	6,961.03	-168.75	560.07	449.07	111.00	5.046		
17,600.00	10,791.21	17,152.25	10,511.52	62.68	61.11	-60.02	7,061.03	-168.86	559.78	447.29	112.49	4.976		
17,700.00	10,791.46	17,252.25	10,512.35	63.50	61.94	-60.07	7,161.02	-168.98	559.49	445.50	113.98	4.909		
17,800.00	10,791.71	17,352.25	10,513.19	64.32	62.77	-60.13	7,261.02	-169.10	559.19	443.72	115.48	4.843		
17,900.00	10,791.96	17,452.25	10,514.02	65.15	63.61	-60.18	7,361.01	-169.21	558.90	441.93	116.97	4.778		
18,000.00	10,792.21	17,552.25	10,514.85	65.97	64.44	-60.23	7,461.01	-169.33	558.61	440.14	118.47	4.715		
18,100.00	10,792.45	17,652.24	10,515.69	66.80	65.28	-60.28	7,561.00	-169.45	558.32	438.35	119.98	4.654		
18,200.00	10,792.70	17,752.24	10,516.52	67.63	66.11	-60.34	7,661.00	-169.57	558.03	436.55	121.48	4.594		
18,300.00	10,792.95	17,852.24	10,517.36	68.46	66.94	-60.39	7,760.99	-169.68	557.74	434.75	122.99	4.535		
18,400.00	10,793.20	17,952.24	10,518.19	69.29	67.78	-60.44	7,860.99	-169.80	557.45	432.95	124.50	4.478		
18,500.00	10,793.45	18,052.24	10,519.03	70.12	68.62	-60.49	7,960.98	-169.92	557.17	431.15	126.01	4.421		
18,600.00	10,793.69	18,152.24	10,519.86	70.95	69.45	-60.54	8,060.98	-170.03	556.88	429.35	127.53	4.367		
18,700.00	10,793.94	18,252.23	10,520.70	71.78	70.29	-60.60	8,160.97	-170.15	556.59	427.54	129.05	4.313		
18,800.00	10,794.19	18,352.23	10,521.53	72.61	71.13	-60.65	8,260.97	-170.27	556.30	425.73	130.57	4.261		
18,900.00	10,794.44	18,452.23	10,522.36	73.44	71.97	-60.70	8,360.96	-170.39	556.02	423.92	132.09	4.209		
19,000.00	10,794.69	18,552.23	10,523.20	74.27	72.81	-60.76	8,460.95	-170.50	555.73	422.11	133.62	4.159		
19,100.00	10,794.94	18,652.23	10,524.03	75.11	73.64	-60.81	8,560.95	-170.62	555.44	420.30	135.14	4.110		
19,200.00	10,795.18	18,752.23	10,524.87	75.94	74.48	-60.86	8,660.94	-170.74	555.16	418.48	136.67	4.062		
19,300.00	10,795.43	18,852.22	10,525.70	76.77	75.32	-60.91	8,760.94	-170.85	554.87	416.67	138.21	4.015		
19,400.00	10,795.68	18,952.22	10,526.54	77.61	76.16	-60.97	8,860.93	-170.97	554.59	414.85	139.74	3.969		
19,500.00	10,795.93	19,052.22	10,527.37	78.45	77.00	-61.02	8,960.93	-171.09	554.31	413.03	141.28	3.924		
19,600.00	10,796.18	19,152.22	10,528.21	79.28	77.85	-61.07	9,060.92	-171.20	554.02	411.21	142.82	3.879		
19,700.00	10,796.42	19,252.22	10,529.04	80.12	78.69	-61.13	9,160.92	-171.32	553.74	409.38	144.36	3.836		
19,800.00	10,796.67	19,352.22	10,529.87	80.95	79.53	-61.18	9,260.91	-171.44	553.46	407.56	145.90	3.793		
19,900.00	10,796.92	19,452.21	10,530.71	81.79	80.37	-61.23	9,360.91	-171.56	553.17	405.73	147.44	3.752		
20,000.00	10,797.17	19,552.21	10,531.54	82.63	81.21	-61.29	9,460.90	-171.67	552.89	403.90	148.99	3.711		
20,100.00	10,797.42	19,652.21	10,532.38	83.47	82.06	-61.34	9,560.90	-171.79	552.61	402.07	150.54	3.671		
20,200.00	10,797.67	19,752.21	10,533.21	84.31	82.90	-61.39	9,660.89	-171.91	552.33	400.24	152.09	3.632		
20,300.00	10,797.91	19,852.21	10,534.05	85.14	83.74	-61.45	9,760.89	-172.02	552.05	398.41	153.64	3.593		
20,400.00	10,798.16	19,952.20	10,534.88	85.98	84.58	-61.50	9,860.88	-172.14	551.77	396.58	155.20	3.555		
20,500.00	10,798.41	20,052.20	10,535.71	86.82	85.43	-61.55	9,960.88	-172.26	551.49	394.74	156.75	3.518		
20,600.00	10,798.66	20,152.20	10,536.55	87.66	86.27	-61.61	10,060.87	-172.38	551.21	392.90	158.31	3.482		
20,700.00	10,798.91	20,252.20	10,537.38	88.50	87.12	-61.66	10,160.87	-172.49	550.94	391.07	159.87	3.446		
20,800.00	10,799.15	20,352.20	10,538.22	89.34	87.96	-61.71	10,260.86	-172.61	550.66	389.23	161.43	3.411		
20,900.00	10,799.40	20,452.20	10,539.05	90.18	88.81	-61.77	10,360.85	-172.73	550.38	387.39	163.00	3.377		
21,000.00	10,799.65	20,552.19	10,539.89	91.03	89.65	-61.82	10,460.85	-172.84	550.11	385.54	164.56	3.343		
21,100.00	10,799.90	20,652.19	10,540.72	91.87	90.49	-61.88	10,560.84	-172.96	549.83	383.70	166.13	3.310		
21,135.56	10,799.99	20,686.55	10,541.01	92.17	90.78	-61.89	10,595.20	-173.00	549.73	383.06	166.68	3.298		
21,140.85	10,800.00	20,686.55	10,541.01	92.21	90.78	-61.89	10,595.20	-173.00	549.75	383.03	166.73	3.297 SF		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10330-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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	0.00	0.00	0.00	0.00	-0.43	40.00	-0.30	40.00								
100.00	100.00	100.00	100.00	0.77	0.77	-0.43	40.00	-0.30	40.00	38.01	1.99	20.089					
200.00	200.00	200.00	200.00	1.44	1.44	-0.43	40.00	-0.30	40.00	36.69	3.31	12.079					
300.00	300.00	300.00	300.00	1.88	1.88	-0.43	40.00	-0.30	40.00	35.81	4.20	9.535					
400.00	400.00	400.00	400.00	2.25	2.25	-0.43	40.00	-0.30	40.00	35.09	4.91	8.144					
500.00	500.00	500.00	500.00	2.56	2.56	-0.43	40.00	-0.30	40.00	34.47	5.53	7.230					
600.00	600.00	600.00	600.00	2.84	2.84	-0.43	40.00	-0.30	40.00	33.91	6.09	6.568					
700.00	700.00	700.00	700.00	3.10	3.10	-0.43	40.00	-0.30	40.00	33.40	6.60	6.060					
800.00	800.00	800.00	800.00	3.34	3.34	-0.43	40.00	-0.30	40.00	32.92	7.08	5.653					
900.00	900.00	900.00	900.00	3.57	3.57	-0.43	40.00	-0.30	40.00	32.48	7.52	5.317					
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-0.43	40.00	-0.30	40.00	32.05	7.95	5.033					
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-0.43	40.00	-0.30	40.00	31.65	8.35	4.790					
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-0.43	40.00	-0.30	40.00	31.26	8.74	4.577					
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-0.43	40.00	-0.30	40.00	30.89	9.11	4.390					
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-0.43	40.00	-0.30	40.00	30.53	9.47	4.223					
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-0.43	40.00	-0.30	40.00	30.18	9.82	4.072					
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-0.43	40.00	-0.30	40.00	29.84	10.16	3.936					
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-0.43	40.00	-0.30	40.00	29.51	10.49	3.812					
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-0.43	40.00	-0.30	40.00	29.19	10.82	3.698					
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-0.43	40.00	-0.30	40.00	28.87	11.13	3.594					
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-0.43	40.00	-0.30	40.00	28.56	11.44	3.497					
2,100.00	2,099.99	2,099.71	2,099.69	5.70	5.79	-58.93	40.26	-2.02	39.85	28.13	11.72	3.400					
2,121.80	2,121.79	2,121.41	2,121.38	5.73	5.83	-60.62	40.39	-2.84	39.84	28.06	11.78	3.382 CC, ES					
2,200.00	2,199.96	2,199.03	2,198.87	5.84	6.01	-69.32	41.04	-7.13	40.31	28.31	12.00	3.360 SF					
2,300.00	2,299.86	2,297.54	2,297.01	6.00	6.25	-85.00	42.31	-15.56	43.83	31.51	12.32	3.558					
2,400.00	2,399.68	2,394.88	2,393.63	6.17	6.51	-101.47	44.07	-27.17	53.17	40.46	12.71	4.182					
2,500.00	2,499.37	2,490.69	2,488.30	6.36	6.78	-114.65	46.28	-41.75	69.40	56.25	13.15	5.278					
2,600.00	2,598.89	2,587.12	2,583.26	6.59	7.01	-140.12	48.78	-58.29	92.03	78.42	13.61	6.761					
2,700.00	2,698.16	2,682.92	2,677.61	6.85	7.24	-155.88	51.28	-74.73	119.27	105.17	14.10	8.458					
2,717.41	2,715.41	2,699.51	2,693.95	6.88	7.29	-157.94	51.71	-77.58	124.41	110.24	14.17	8.778					
2,800.00	2,797.19	2,778.12	2,771.36	7.08	7.50	-160.25	53.75	-91.08	149.18	134.60	14.58	10.234					
2,900.00	2,896.22	2,873.31	2,865.10	7.34	7.77	-162.20	56.23	-107.42	179.37	164.28	15.09	11.885					
3,000.00	2,995.25	2,968.50	2,958.84	7.62	8.05	-163.58	58.70	-123.76	209.70	194.06	15.64	13.410					
3,100.00	3,094.27	3,063.68	3,052.58	7.91	8.35	-164.61	61.18	-140.10	240.11	223.90	16.21	14.814					
3,200.00	3,193.30	3,158.87	3,146.32	8.21	8.66	-165.42	63.65	-156.44	270.57	253.77	16.80	16.104					
3,300.00	3,292.33	3,254.05	3,240.06	8.53	8.98	-166.06	66.13	-172.78	301.08	283.66	17.42	17.288					
3,400.00	3,391.35	3,349.24	3,333.80	8.85	9.31	-166.58	68.60	-189.12	331.61	313.56	18.05	18.373					
3,500.00	3,490.38	3,444.42	3,427.54	9.19	9.64	-167.01	71.08	-205.46	362.16	343.46	18.70	19.368					
3,600.00	3,589.41	3,539.61	3,521.28	9.53	9.99	-167.38	73.55	-221.80	392.73	373.37	19.36	20.282					
3,700.00	3,688.43	3,634.80	3,615.02	9.88	10.34	-167.69	76.03	-238.14	423.31	403.27	20.04	21.121					
3,800.00	3,787.46	3,729.98	3,708.76	10.24	10.70	-167.96	78.51	-254.48	453.90	433.17	20.73	21.893					
3,900.00	3,886.49	3,825.17	3,802.50	10.60	11.06	-168.20	80.98	-270.82	484.50	463.06	21.43	22.604					
4,000.00	3,985.52	3,920.35	3,896.24	10.97	11.43	-168.41	83.46	-287.16	515.10	492.96	22.15	23.260					
4,100.00	4,084.54	4,015.54	3,989.98	11.34	11.80	-168.59	85.93	-303.50	545.71	522.85	22.87	23.865					
4,200.00	4,183.57	4,110.72	4,083.72	11.71	12.17	-168.76	88.41	-319.84	576.33	552.73	23.60	24.426					
4,300.00	4,282.60	4,205.91	4,177.46	12.09	12.55	-168.91	90.88	-336.18	606.95	582.62	24.33	24.945					
4,365.62	4,347.58	4,268.37	4,238.98	12.33	12.81	-169.00	92.51	-346.91	627.04	602.24	24.80	25.280					
4,400.00	4,381.64	4,301.13	4,271.23	12.45	12.94	-169.06	93.36	-352.53	637.48	612.43	25.05	25.452					
4,500.00	4,480.86	4,396.75	4,365.40	12.82	13.33	-169.22	95.85	-368.95	666.72	640.93	25.79	25.852					
4,600.00	4,580.28	4,492.86	4,460.05	13.19	13.72	-169.33	98.34	-385.44	694.32	667.79	26.53	26.169					
4,700.00	4,679.87	4,589.43	4,555.16	13.55	14.12	-169.41	100.86	-402.02	720.27	693.00	27.27	26.413					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10330-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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)							
4,800.00	4,779.61	4,686.43	4,650.69	13.90	14.52	-169.46	103.38	-418.68	744.56	716.56	28.00	26.592					
4,900.00	4,879.45	4,783.84	4,746.62	14.23	14.93	-169.48	105.91	-435.40	767.18	738.46	28.72	26.713					
5,000.00	4,979.38	4,881.62	4,842.91	14.53	15.34	-169.48	108.45	-452.18	788.13	758.71	29.42	26.786					
5,100.00	5,079.36	4,979.74	4,939.54	14.80	15.75	-169.45	111.01	-469.03	807.40	777.30	30.10	26.827					
5,165.64	5,145.00	5,044.32	5,003.14	14.88	16.02	-85.54	112.69	-480.11	819.13	788.67	30.46	26.892					
5,200.00	5,179.36	5,078.16	5,036.46	14.88	16.17	-85.51	113.57	-485.92	825.08	794.46	30.62	26.948					
5,300.00	5,279.36	5,176.64	5,133.45	14.94	16.59	-85.43	116.13	-502.83	842.40	811.29	31.12	27.073					
5,400.00	5,379.36	5,275.12	5,230.43	14.99	17.01	-85.35	118.69	-519.74	859.72	828.10	31.62	27.190					
5,500.00	5,479.36	5,373.60	5,327.42	15.04	17.43	-85.27	121.25	-536.64	877.05	844.92	32.13	27.298					
5,600.00	5,579.36	5,472.08	5,424.40	15.09	17.85	-85.19	123.81	-553.55	894.37	861.73	32.64	27.399					
5,700.00	5,679.36	5,570.56	5,521.39	15.15	18.28	-85.12	126.37	-570.45	911.70	878.54	33.16	27.492					
5,800.00	5,779.36	5,677.70	5,626.95	15.20	18.73	-85.05	129.12	-588.60	928.82	895.08	33.73	27.533					
5,900.00	5,879.36	5,795.77	5,743.60	15.25	19.22	-84.97	131.85	-606.61	944.21	909.83	34.38	27.461					
6,000.00	5,979.36	5,914.55	5,861.31	15.31	19.71	-84.91	134.23	-622.32	957.57	922.55	35.01	27.349					
6,100.00	6,079.36	6,033.94	5,979.93	15.36	20.19	-84.87	136.25	-635.68	968.86	933.25	35.61	27.204					
6,200.00	6,179.36	6,153.85	6,099.33	15.42	20.64	-84.83	137.91	-646.63	978.09	941.90	36.19	27.030					
6,300.00	6,279.36	6,274.18	6,219.34	15.47	21.08	-84.80	139.20	-655.14	985.22	948.51	36.72	26.831					
6,400.00	6,379.36	6,394.81	6,339.82	15.52	21.48	-84.77	140.11	-661.17	990.27	953.06	37.21	26.615					
6,500.00	6,479.36	6,515.65	6,460.60	15.58	21.83	-84.76	140.65	-664.69	993.21	955.58	37.63	26.397					
6,600.00	6,579.36	6,634.41	6,579.36	15.63	22.06	-84.76	140.80	-665.70	994.06	956.16	37.89	26.233					
6,700.00	6,679.36	6,734.41	6,679.36	15.69	22.09	-84.76	140.80	-665.70	994.06	956.08	37.97	26.178					
6,800.00	6,779.36	6,834.41	6,779.36	15.75	22.13	-84.76	140.80	-665.70	994.06	956.00	38.06	26.119					
6,900.00	6,879.36	6,934.41	6,879.36	15.80	22.16	-84.76	140.80	-665.70	994.06	955.91	38.15	26.059					
7,000.00	6,979.36	7,034.41	6,979.36	15.86	22.20	-84.76	140.80	-665.70	994.06	955.82	38.23	26.000					
7,100.00	7,079.36	7,134.41	7,079.36	15.91	22.23	-84.76	140.80	-665.70	994.06	955.74	38.32	25.941					
7,200.00	7,179.36	7,234.41	7,179.36	15.97	22.27	-84.76	140.80	-665.70	994.06	955.65	38.41	25.882					
7,300.00	7,279.36	7,334.41	7,279.36	16.03	22.31	-84.76	140.80	-665.70	994.06	955.56	38.50	25.822					
7,400.00	7,379.36	7,434.41	7,379.36	16.08	22.34	-84.76	140.80	-665.70	994.06	955.47	38.59	25.763					
7,500.00	7,479.36	7,534.41	7,479.36	16.14	22.38	-84.76	140.80	-665.70	994.06	955.38	38.67	25.703					
7,600.00	7,579.36	7,634.41	7,579.36	16.20	22.42	-84.76	140.80	-665.70	994.06	955.29	38.76	25.644					
7,700.00	7,679.36	7,734.41	7,679.36	16.26	22.46	-84.76	140.80	-665.70	994.06	955.20	38.85	25.584					
7,800.00	7,779.36	7,834.41	7,779.36	16.31	22.50	-84.76	140.80	-665.70	994.06	955.11	38.95	25.524					
7,900.00	7,879.36	7,934.41	7,879.36	16.37	22.53	-84.76	140.80	-665.70	994.06	955.02	39.04	25.465					
8,000.00	7,979.36	8,034.41	7,979.36	16.43	22.57	-84.76	140.80	-665.70	994.06	954.93	39.13	25.405					
8,100.00	8,079.36	8,134.41	8,079.36	16.49	22.61	-84.76	140.80	-665.70	994.06	954.84	39.22	25.346					
8,200.00	8,179.36	8,234.41	8,179.36	16.55	22.65	-84.76	140.80	-665.70	994.06	954.74	39.31	25.286					
8,300.00	8,279.36	8,334.41	8,279.36	16.61	22.69	-84.76	140.80	-665.70	994.06	954.65	39.41	25.226					
8,400.00	8,379.36	8,434.41	8,379.36	16.67	22.73	-84.76	140.80	-665.70	994.06	954.56	39.50	25.167					
8,500.00	8,479.36	8,534.41	8,479.36	16.73	22.77	-84.76	140.80	-665.70	994.06	954.46	39.59	25.107					
8,600.00	8,579.36	8,634.41	8,579.36	16.78	22.81	-84.76	140.80	-665.70	994.06	954.37	39.69	25.047					
8,700.00	8,679.36	8,734.41	8,679.36	16.84	22.85	-84.76	140.80	-665.70	994.06	954.27	39.78	24.988					
8,800.00	8,779.36	8,834.41	8,779.36	16.90	22.89	-84.76	140.80	-665.70	994.06	954.18	39.88	24.928					
8,900.00	8,879.36	8,934.41	8,879.36	16.96	22.93	-84.76	140.80	-665.70	994.06	954.08	39.97	24.868					
9,000.00	8,979.36	9,034.41	8,979.36	17.02	22.97	-84.76	140.80	-665.70	994.06	953.99	40.07	24.809					
9,100.00	9,079.36	9,134.41	9,079.36	17.08	23.01	-84.76	140.80	-665.70	994.06	953.89	40.17	24.749					
9,200.00	9,179.36	9,234.41	9,179.36	17.14	23.05	-84.76	140.80	-665.70	994.06	953.79	40.26	24.690					
9,300.00	9,279.36	9,334.41	9,279.36	17.21	23.09	-84.76	140.80	-665.70	994.06	953.70	40.36	24.630					
9,400.00	9,379.36	9,434.41	9,379.36	17.27	23.13	-84.76	140.80	-665.70	994.06	953.60	40.46	24.571					
9,500.00	9,479.36	9,534.41	9,479.36	17.33	23.17	-84.76	140.80	-665.70	994.06	953.50	40.55	24.511					
9,600.00	9,579.36	9,634.41	9,579.36	17.39	23.22	-84.76	140.80	-665.70	994.06	953.40	40.65	24.452					
9,700.00	9,679.36	9,734.41	9,679.36	17.45	23.26	-84.76	140.80	-665.70	994.06	953.30	40.75	24.393					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10330-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 usft
Measured Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning					
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)			No-Go Distance (usft)				
9,800.00	9,779.36	9,834.41	9,779.36	17.51	23.30	-84.76	140.80	-665.70	994.06	953.20	40.85	24.333					
9,900.00	9,879.36	9,934.41	9,879.36	17.57	23.34	-84.76	140.80	-665.70	994.06	953.10	40.95	24.274					
10,000.00	9,979.36	10,034.41	9,979.36	17.63	23.39	-84.76	140.80	-665.70	994.06	953.00	41.05	24.215					
10,100.00	10,079.36	10,134.41	10,079.36	17.70	23.43	-84.76	140.80	-665.70	994.06	952.90	41.15	24.156					
10,200.00	10,179.36	10,234.41	10,179.36	17.76	23.47	-84.76	140.80	-665.70	994.06	952.80	41.25	24.097					
10,264.98	10,244.34	10,299.39	10,244.34	17.80	23.50	-84.76	140.80	-665.70	994.06	952.74	41.32	24.058					
10,300.00	10,279.36	10,333.64	10,278.58	17.82	23.50	-84.76	140.82	-665.70	994.06	952.71	41.34	24.044					
10,318.18	10,297.54	10,350.00	10,294.94	17.83	23.50	-84.73	141.24	-665.70	994.10	952.75	41.35	24.040					
10,325.00	10,304.36	10,354.58	10,299.51	17.83	23.51	-84.65	141.45	-665.70	994.12	952.77	41.36	24.037					
10,350.00	10,329.34	10,375.00	10,319.88	17.83	23.51	-84.61	142.96	-665.70	994.20	952.83	41.37	24.030					
10,375.00	10,354.23	10,396.37	10,341.10	17.83	23.51	-84.57	145.46	-665.71	994.26	952.88	41.38	24.025					
10,400.00	10,378.96	10,417.24	10,361.69	17.84	23.51	-84.54	148.82	-665.71	994.30	952.90	41.40	24.019					
10,425.00	10,403.47	10,438.10	10,382.12	17.84	23.51	-84.53	153.08	-665.71	994.32	952.91	41.41	24.012					
10,450.00	10,427.69	10,458.96	10,402.33	17.84	23.51	-84.53	158.22	-665.72	994.32	952.89	41.42	24.004					
10,475.00	10,451.56	10,479.82	10,422.30	17.85	23.52	-84.55	164.24	-665.73	994.30	952.86	41.44	23.995					
10,500.00	10,475.00	10,500.00	10,441.35	17.85	23.52	-84.57	170.89	-665.74	994.25	952.80	41.45	23.985					
10,525.00	10,497.95	10,521.59	10,461.40	17.85	23.52	-84.61	178.88	-665.74	994.19	952.72	41.47	23.976					
10,550.00	10,520.36	10,542.50	10,480.46	17.86	23.52	-84.66	187.49	-665.75	994.11	952.63	41.48	23.966					
10,575.00	10,542.15	10,563.44	10,499.15	17.86	23.53	-84.73	196.93	-665.77	994.01	952.51	41.50	23.955					
10,600.00	10,563.28	10,584.42	10,517.44	17.87	23.53	-84.81	207.20	-665.78	993.89	952.38	41.51	23.943					
10,625.00	10,583.67	10,605.44	10,535.29	17.87	23.53	-84.90	218.29	-665.79	993.75	952.22	41.53	23.930					
10,650.00	10,603.29	10,625.00	10,551.46	17.88	23.53	-84.99	229.31	-665.80	993.60	952.05	41.55	23.916					
10,675.00	10,622.06	10,647.63	10,569.57	17.89	23.54	-85.11	242.86	-665.82	993.43	951.87	41.56	23.903					
10,700.00	10,639.95	10,668.81	10,585.93	17.89	23.54	-85.24	256.32	-665.84	993.25	951.67	41.58	23.888					
10,725.00	10,656.89	10,690.07	10,601.73	17.90	23.55	-85.37	270.54	-665.85	993.06	951.46	41.60	23.873					
10,750.00	10,672.85	10,711.40	10,616.94	17.92	23.55	-85.52	285.50	-665.87	992.86	951.24	41.62	23.856					
10,775.00	10,687.78	10,732.82	10,631.51	17.93	23.56	-85.68	301.18	-665.89	992.65	951.01	41.64	23.839					
10,800.00	10,701.65	10,754.32	10,645.43	17.94	23.57	-85.85	317.58	-665.91	992.44	950.77	41.66	23.821					
10,825.00	10,714.40	10,775.00	10,658.10	17.96	23.58	-86.02	333.92	-665.93	992.22	950.53	41.69	23.802					
10,850.00	10,726.02	10,797.64	10,671.15	17.98	23.59	-86.22	352.42	-665.95	992.00	950.28	41.71	23.782					
10,875.00	10,736.45	10,819.46	10,682.88	18.00	23.60	-86.41	370.82	-665.97	991.78	950.03	41.74	23.760					
10,900.00	10,745.69	10,841.41	10,693.82	18.02	23.61	-86.62	389.84	-665.99	991.56	949.78	41.77	23.737					
10,925.00	10,753.70	10,863.48	10,703.93	18.04	23.62	-86.84	409.46	-666.02	991.34	949.54	41.81	23.713					
10,950.00	10,760.45	10,885.70	10,713.17	18.07	23.64	-87.06	429.65	-666.04	991.13	949.29	41.84	23.687					
10,975.00	10,765.94	10,908.06	10,721.52	18.10	23.65	-87.29	450.39	-666.06	990.93	949.05	41.88	23.660					
11,000.00	10,770.14	10,930.57	10,728.94	18.13	23.67	-87.53	471.65	-666.09	990.74	948.82	41.93	23.631					
11,025.00	10,773.05	10,953.25	10,735.38	18.17	23.69	-87.78	493.39	-666.12	990.57	948.59	41.97	23.601					
11,050.00	10,774.66	10,976.09	10,740.83	18.21	23.71	-88.03	515.58	-666.14	990.40	948.38	42.02	23.568					
11,066.99	10,775.00	10,991.73	10,743.94	18.24	23.72	-88.20	530.90	-666.16	990.30	948.24	42.06	23.545					
11,100.00	10,775.08	11,022.50	10,748.59	18.29	23.76	-88.47	561.30	-666.20	990.16	948.02	42.14	23.496					
11,174.64	10,775.27	11,094.17	10,752.05	18.45	23.84	-88.66	632.84	-666.28	990.07	947.69	42.38	23.361					
11,200.00	10,775.33	11,119.53	10,752.14	18.50	23.88	-88.66	658.20	-666.31	990.07	947.59	42.48	23.308					
11,300.00	10,775.58	11,219.53	10,752.47	18.75	24.05	-88.66	758.20	-666.43	990.07	947.17	42.90	23.078					
11,400.00	10,775.83	11,319.53	10,752.80	19.04	24.25	-88.67	858.20	-666.54	990.07	946.68	43.39	22.819					
11,500.00	10,776.08	11,419.53	10,753.13	19.36	24.48	-88.67	958.20	-666.66	990.07	946.13	43.93	22.535					
11,600.00	10,776.32	11,519.53	10,753.46	19.72	24.73	-88.68	1,058.20	-666.78	990.07	945.53	44.54	22.229					
11,700.00	10,776.57	11,619.53	10,753.79	20.10	25.01	-88.68	1,158.19	-666.90	990.07	944.87	45.20	21.904					
11,800.00	10,776.82	11,719.53	10,754.12	20.52	25.32	-88.69	1,258.19	-667.02	990.07	944.15	45.92	21.563					
11,900.00	10,777.07	11,819.53	10,754.45	20.96	25.66	-88.69	1,358.19	-667.13	990.07	943.39	46.68	21.209					
12,000.00	10,777.32	11,919.53	10,754.79	21.43	26.02	-88.70	1,458.19	-667.25	990.06	942.57	47.49	20.846					
12,100.00	10,777.56	12,019.53	10,755.12	21.92	26.41	-88.70	1,558.19	-667.37	990.06	941.71	48.35	20.475					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP2														Offset Site Error:	0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10330-r.5 MWD+IFR1+SAG+FDIR														Rule Assigned:		Offset Well Error:	0.00 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)	No-Go Distance (usft)	Separation Factor	Warning				
12,200.00	10,777.81	12,119.53	10,755.45	22.44	26.81	-88.71	1,658.19	-667.49	990.06	940.81	49.26	20.100					
12,300.00	10,778.06	12,219.53	10,755.78	22.97	27.24	-88.71	1,758.19	-667.60	990.06	939.86	50.20	19.722					
12,400.00	10,778.31	12,319.53	10,756.11	23.53	27.69	-88.72	1,858.19	-667.72	990.06	938.88	51.18	19.343					
12,500.00	10,778.56	12,419.53	10,756.44	24.10	28.16	-88.72	1,958.19	-667.84	990.06	937.86	52.20	18.965					
12,600.00	10,778.80	12,519.53	10,756.77	24.69	28.65	-88.72	2,058.19	-667.96	990.06	936.80	53.26	18.590					
12,700.00	10,779.05	12,619.53	10,757.10	25.30	29.15	-88.73	2,158.19	-668.08	990.06	935.71	54.35	18.218					
12,800.00	10,779.30	12,719.53	10,757.43	25.92	29.67	-88.73	2,258.19	-668.19	990.06	934.60	55.46	17.851					
12,900.00	10,779.55	12,819.53	10,757.76	26.55	30.21	-88.74	2,358.19	-668.31	990.06	933.45	56.61	17.489					
13,000.00	10,779.80	12,919.53	10,758.09	27.20	30.76	-88.74	2,458.19	-668.43	990.06	932.28	57.78	17.134					
13,100.00	10,780.05	13,019.53	10,758.43	27.86	31.33	-88.75	2,558.19	-668.55	990.06	931.08	58.98	16.786					
13,200.00	10,780.29	13,119.53	10,758.76	28.53	31.91	-88.75	2,658.18	-668.66	990.06	929.85	60.20	16.445					
13,300.00	10,780.54	13,219.53	10,759.09	29.20	32.50	-88.76	2,758.18	-668.78	990.06	928.61	61.45	16.112					
13,400.00	10,780.79	13,319.53	10,759.42	29.89	33.10	-88.76	2,858.18	-668.90	990.06	927.34	62.72	15.787					
13,500.00	10,781.04	13,419.53	10,759.75	30.59	33.72	-88.77	2,958.18	-669.02	990.05	926.05	64.00	15.469					
13,600.00	10,781.29	13,519.53	10,760.08	31.29	34.34	-88.77	3,058.18	-669.13	990.05	924.75	65.31	15.160					
13,700.00	10,781.53	13,619.53	10,760.41	32.00	34.98	-88.78	3,158.18	-669.25	990.05	923.43	66.63	14.860					
13,800.00	10,781.78	13,719.53	10,760.74	32.72	35.62	-88.78	3,258.18	-669.37	990.05	922.09	67.97	14.567					
13,900.00	10,782.03	13,819.53	10,761.07	33.45	36.27	-88.79	3,358.18	-669.49	990.05	920.73	69.32	14.282					
14,000.00	10,782.28	13,919.53	10,761.40	34.18	36.93	-88.79	3,458.18	-669.61	990.05	919.36	70.69	14.006					
14,100.00	10,782.53	14,019.53	10,761.73	34.91	37.60	-88.80	3,558.18	-669.72	990.05	917.98	72.07	13.737					
14,200.00	10,782.78	14,119.53	10,762.07	35.66	38.28	-88.80	3,658.18	-669.84	990.05	916.58	73.47	13.476					
14,300.00	10,783.02	14,219.53	10,762.40	36.40	38.97	-88.81	3,758.18	-669.96	990.05	915.17	74.87	13.223					
14,400.00	10,783.27	14,319.53	10,762.73	37.16	39.66	-88.81	3,858.18	-670.08	990.05	913.75	76.29	12.977					
14,500.00	10,783.52	14,419.53	10,763.06	37.91	40.35	-88.82	3,958.18	-670.19	990.05	912.32	77.72	12.738					
14,600.00	10,783.77	14,519.53	10,763.39	38.67	41.06	-88.82	4,058.18	-670.31	990.05	910.88	79.17	12.506					
14,700.00	10,784.02	14,619.53	10,763.72	39.44	41.77	-88.83	4,158.18	-670.43	990.05	909.43	80.62	12.281					
14,800.00	10,784.26	14,719.53	10,764.05	40.21	42.48	-88.83	4,258.17	-670.55	990.05	907.97	82.08	12.063					
14,900.00	10,784.51	14,819.52	10,764.38	40.98	43.20	-88.83	4,358.17	-670.67	990.05	906.50	83.55	11.850					
15,000.00	10,784.76	14,919.52	10,764.71	41.76	43.93	-88.84	4,458.17	-670.78	990.05	905.02	85.02	11.645					
15,100.00	10,785.01	15,019.52	10,765.04	42.54	44.66	-88.84	4,558.17	-670.90	990.05	903.54	86.51	11.445					
15,200.00	10,785.26	15,119.52	10,765.38	43.32	45.39	-88.85	4,658.17	-671.02	990.04	902.05	88.00	11.251					
15,300.00	10,785.51	15,219.52	10,765.71	44.10	46.13	-88.85	4,758.17	-671.14	990.04	900.54	89.50	11.062					
15,400.00	10,785.75	15,319.52	10,766.04	44.89	46.87	-88.86	4,858.17	-671.25	990.04	899.04	91.01	10.879					
15,500.00	10,786.00	15,419.52	10,766.37	45.68	47.62	-88.86	4,958.17	-671.37	990.04	897.52	92.52	10.701					
15,600.00	10,786.25	15,519.52	10,766.70	46.47	48.37	-88.87	5,058.17	-671.49	990.04	896.01	94.04	10.528					
15,700.00	10,786.50	15,619.52	10,767.03	47.26	49.12	-88.87	5,158.17	-671.61	990.04	894.48	95.56	10.360					
15,800.00	10,786.75	15,719.52	10,767.36	48.06	49.88	-88.88	5,258.17	-671.72	990.04	892.95	97.09	10.197					
15,900.00	10,786.99	15,819.52	10,767.69	48.86	50.64	-88.88	5,358.17	-671.84	990.04	891.41	98.63	10.038					
16,000.00	10,787.24	15,919.52	10,768.02	49.66	51.40	-88.89	5,458.17	-671.96	990.04	889.87	100.17	9.884					
16,100.00	10,787.49	16,019.52	10,768.35	50.46	52.17	-88.89	5,558.17	-672.08	990.04	888.33	101.71	9.733					
16,200.00	10,787.74	16,119.52	10,768.68	51.27	52.94	-88.90	5,658.17	-672.20	990.04	886.77	103.27	9.587					
16,300.00	10,787.99	16,219.52	10,769.02	52.07	53.71	-88.90	5,758.16	-672.31	990.04	885.22	104.82	9.445					
16,400.00	10,788.24	16,319.52	10,769.35	52.88	54.48	-88.91	5,858.16	-672.43	990.04	883.66	106.38	9.307					
16,500.00	10,788.48	16,419.52	10,769.68	53.69	55.26	-88.91	5,958.16	-672.55	990.04	882.10	107.94	9.172					
16,600.00	10,788.73	16,519.52	10,770.01	54.50	56.04	-88.92	6,058.16	-672.67	990.04	880.53	109.51	9.041					
16,700.00	10,788.98	16,619.52	10,770.34	55.31	56.82	-88.92	6,158.16	-672.78	990.04	878.96	111.08	8.913					
16,800.00	10,789.23	16,719.52	10,770.67	56.13	57.60	-88.93	6,258.16	-672.90	990.04	877.39	112.65	8.788					
16,900.00	10,789.48	16,819.52	10,771.00	56.94	58.39	-88.93	6,358.16	-673.02	990.04	875.81	114.23	8.667					
17,000.00	10,789.72	16,919.52	10,771.33	57.76	59.18	-88.94	6,458.16	-673.14	990.04	874.23	115.81	8.549					
17,100.00	10,789.97	17,019.52	10,771.66	58.57	59.97	-88.94	6,558.16	-673.26	990.04	872.64	117.39	8.433					
17,200.00	10,790.22	17,119.52	10,771.99	59.39	60.76	-88.95	6,658.16	-673.37	990.04	871.06	118.98	8.321					

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 904H - OWB - PWP2														Offset Site Error:
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10330-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:
Rule Assigned: Distance														
Measured Reference	Vertical	Measured	Vertical	Semi Major Axis		Highside	Offset Wellbore Centre		Distance		No-Go	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor		
17,300.00	10,790.47	17,219.52	10,772.32	60.21	61.55	-88.95	6,758.16	-673.49	990.04	869.47	120.57	8.211		
17,400.00	10,790.72	17,319.52	10,772.66	61.03	62.34	-88.95	6,858.16	-673.61	990.04	867.87	122.16	8.104		
17,500.00	10,790.96	17,419.52	10,772.99	61.85	63.14	-88.96	6,958.16	-673.73	990.03	866.28	123.76	8.000		
17,600.00	10,791.21	17,519.52	10,773.32	62.68	63.94	-88.96	7,058.16	-673.84	990.03	864.68	125.35	7.898		
17,700.00	10,791.46	17,619.52	10,773.65	63.50	64.74	-88.97	7,158.16	-673.96	990.03	863.08	126.95	7.798		
17,800.00	10,791.71	17,719.52	10,773.98	64.32	65.54	-88.97	7,258.16	-674.08	990.03	861.48	128.56	7.701		
17,900.00	10,791.96	17,819.52	10,774.31	65.15	66.34	-88.98	7,358.15	-674.20	990.03	859.87	130.16	7.606		
18,000.00	10,792.21	17,919.52	10,774.64	65.97	67.15	-88.98	7,458.15	-674.31	990.03	858.26	131.77	7.513		
18,100.00	10,792.45	18,019.52	10,774.97	66.80	67.95	-88.99	7,558.15	-674.43	990.03	856.66	133.38	7.423		
18,200.00	10,792.70	18,119.52	10,775.30	67.63	68.76	-88.99	7,658.15	-674.55	990.03	855.04	134.99	7.334		
18,300.00	10,792.95	18,219.52	10,775.63	68.46	69.56	-89.00	7,758.15	-674.67	990.03	853.43	136.60	7.248		
18,400.00	10,793.20	18,319.52	10,775.97	69.29	70.37	-89.00	7,858.15	-674.79	990.03	851.82	138.22	7.163		
18,500.00	10,793.45	18,419.52	10,776.30	70.12	71.18	-89.01	7,958.15	-674.90	990.03	850.20	139.83	7.080		
18,600.00	10,793.69	18,519.52	10,776.63	70.95	71.99	-89.01	8,058.15	-675.02	990.03	848.58	141.45	6.999		
18,700.00	10,793.94	18,619.52	10,776.96	71.78	72.81	-89.02	8,158.15	-675.14	990.03	846.96	143.07	6.920		
18,800.00	10,794.19	18,719.52	10,777.29	72.61	73.62	-89.02	8,258.15	-675.26	990.03	845.34	144.69	6.842		
18,900.00	10,794.44	18,819.52	10,777.62	73.44	74.43	-89.03	8,358.15	-675.37	990.03	843.71	146.32	6.766		
19,000.00	10,794.69	18,919.52	10,777.95	74.27	75.25	-89.03	8,458.15	-675.49	990.03	842.09	147.94	6.692		
19,100.00	10,794.94	19,019.52	10,778.28	75.11	76.06	-89.04	8,558.15	-675.61	990.03	840.46	149.57	6.619		
19,200.00	10,795.18	19,119.52	10,778.61	75.94	76.88	-89.04	8,658.15	-675.73	990.03	838.83	151.20	6.548		
19,300.00	10,795.43	19,219.52	10,778.94	76.77	77.70	-89.05	8,758.15	-675.85	990.03	837.20	152.82	6.478		
19,400.00	10,795.68	19,319.52	10,779.27	77.61	78.52	-89.05	8,858.14	-675.96	990.03	835.57	154.46	6.410		
19,500.00	10,795.93	19,419.52	10,779.61	78.45	79.34	-89.06	8,958.14	-676.08	990.03	833.94	156.09	6.343		
19,600.00	10,796.18	19,519.52	10,779.94	79.28	80.16	-89.06	9,058.14	-676.20	990.03	832.31	157.72	6.277		
19,700.00	10,796.42	19,619.52	10,780.27	80.12	80.98	-89.06	9,158.14	-676.32	990.03	830.67	159.35	6.213		
19,800.00	10,796.67	19,719.52	10,780.60	80.95	81.80	-89.07	9,258.14	-676.43	990.03	829.04	160.99	6.150		
19,900.00	10,796.92	19,819.52	10,780.93	81.79	82.62	-89.07	9,358.14	-676.55	990.03	827.40	162.63	6.088		
20,000.00	10,797.17	19,919.52	10,781.26	82.63	83.44	-89.08	9,458.14	-676.67	990.03	825.76	164.27	6.027		
20,100.00	10,797.42	20,019.52	10,781.59	83.47	84.27	-89.08	9,558.14	-676.79	990.03	824.12	165.90	5.967		
20,200.00	10,797.67	20,119.52	10,781.92	84.31	85.09	-89.09	9,658.14	-676.90	990.03	822.48	167.54	5.909		
20,300.00	10,797.91	20,219.52	10,782.25	85.14	85.92	-89.09	9,758.14	-677.02	990.03	820.84	169.19	5.852		
20,400.00	10,798.16	20,319.52	10,782.58	85.98	86.74	-89.10	9,858.14	-677.14	990.03	819.20	170.83	5.795		
20,500.00	10,798.41	20,419.52	10,782.91	86.82	87.57	-89.10	9,958.14	-677.26	990.03	817.56	172.47	5.740		
20,600.00	10,798.66	20,519.52	10,783.25	87.66	88.40	-89.11	10,058.14	-677.38	990.03	815.91	174.11	5.686		
20,700.00	10,798.91	20,619.52	10,783.58	88.50	89.22	-89.11	10,158.14	-677.49	990.03	814.27	175.76	5.633		
20,800.00	10,799.15	20,719.52	10,783.91	89.34	90.05	-89.12	10,258.14	-677.61	990.03	812.62	177.40	5.581		
20,900.00	10,799.40	20,819.52	10,784.24	90.18	90.88	-89.12	10,358.13	-677.73	990.03	810.98	179.05	5.529		
21,000.00	10,799.65	20,919.52	10,784.57	91.03	91.71	-89.13	10,458.13	-677.85	990.03	809.33	180.70	5.479		
21,100.00	10,799.90	21,019.52	10,784.90	91.87	92.54	-89.13	10,558.13	-677.96	990.03	807.68	182.35	5.429		
21,128.41	10,799.97	21,047.93	10,784.99	92.11	92.77	-89.13	10,586.54	-678.00	990.03	807.21	182.81	5.415		
21,140.85	10,800.00	21,050.14	10,785.00	92.21	92.79	-89.13	10,588.75	-678.00	990.08	807.15	182.93	5.412		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP2													Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1+SAG+FDIR, 10148-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (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	0.00	0.00	0.00	0.00	-0.29	20.00	-0.10	20.00					
100.00	100.00	100.00	100.00	0.77	0.77	-0.29	20.00	-0.10	20.00	18.01	1.99	10.044		
200.00	200.00	200.00	200.00	1.44	1.44	-0.29	20.00	-0.10	20.00	16.69	3.31	6.040		
300.00	300.00	300.00	300.00	1.88	1.88	-0.29	20.00	-0.10	20.00	15.80	4.20	4.767		
400.00	400.00	400.00	400.00	2.25	2.25	-0.29	20.00	-0.10	20.00	15.09	4.91	4.072		
500.00	500.00	500.00	500.00	2.56	2.56	-0.29	20.00	-0.10	20.00	14.47	5.53	3.615		
600.00	600.00	600.00	600.00	2.84	2.84	-0.29	20.00	-0.10	20.00	13.91	6.09	3.284		
700.00	700.00	700.00	700.00	3.10	3.10	-0.29	20.00	-0.10	20.00	13.40	6.60	3.030		
800.00	800.00	800.00	800.00	3.34	3.34	-0.29	20.00	-0.10	20.00	12.92	7.08	2.826	Normal Operations	
900.00	900.00	900.00	900.00	3.57	3.57	-0.29	20.00	-0.10	20.00	12.48	7.52	2.658	Normal Operations	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-0.29	20.00	-0.10	20.00	12.05	7.95	2.517	Normal Operations	
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-0.29	20.00	-0.10	20.00	11.65	8.35	2.395	Caution - Monitor Closely	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-0.29	20.00	-0.10	20.00	11.26	8.74	2.289	Caution - Monitor Closely	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-0.29	20.00	-0.10	20.00	10.89	9.11	2.195	Caution - Monitor Closely	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-0.29	20.00	-0.10	20.00	10.53	9.47	2.111	Caution - Monitor Closely	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-0.29	20.00	-0.10	20.00	10.18	9.82	2.036	Caution - Monitor Closely	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-0.29	20.00	-0.10	20.00	9.84	10.16	1.968	Caution - Monitor Closely	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-0.29	20.00	-0.10	20.00	9.51	10.49	1.906	Caution - Monitor Closely	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-0.29	20.00	-0.10	20.00	9.18	10.82	1.849	Caution - Monitor Closely	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-0.29	20.00	-0.10	20.00	8.87	11.13	1.797	Caution - Monitor Closely	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-0.29	20.00	-0.10	20.00	8.56	11.44	1.748	Caution - Monitor Closely	
2,100.00	2,099.99	2,099.93	2,099.91	5.70	5.78	-62.47	20.00	-1.84	19.67	7.95	11.72	1.678	Caution - Monitor Closely	
2,124.00	2,123.99	2,123.86	2,123.82	5.73	5.84	-66.39	20.00	-2.78	19.62	7.83	11.78	1.665	Caution - Monitor Closely, CC, ES, SF	
2,200.00	2,199.96	2,199.43	2,199.27	5.84	6.00	-83.75	20.00	-7.04	20.55	8.55	12.01	1.712	Caution - Monitor Closely	
2,300.00	2,299.86	2,298.10	2,297.56	6.00	6.20	-109.61	20.00	-15.60	27.03	14.67	12.36	2.186	Caution - Monitor Closely	
2,400.00	2,399.68	2,395.54	2,394.28	6.17	6.41	-127.33	20.00	-27.36	40.96	28.23	12.73	3.217		
2,500.00	2,499.37	2,491.38	2,488.97	6.36	6.60	-137.19	20.00	-42.14	61.35	48.27	13.08	4.690		
2,600.00	2,598.89	2,585.10	2,581.04	6.59	6.80	-158.92	20.00	-59.64	88.08	74.64	13.44	6.555		
2,700.00	2,698.16	2,676.09	2,669.83	6.85	6.98	-171.74	20.00	-79.51	121.18	107.37	13.81	8.776		
2,717.41	2,715.41	2,691.61	2,684.92	6.88	7.02	-173.38	20.00	-83.18	127.55	113.69	13.86	9.203		
2,800.00	2,797.19	2,765.06	2,756.01	7.08	7.09	-173.88	20.00	-101.61	159.14	145.07	14.07	11.309		
2,900.00	2,896.22	2,857.13	2,844.94	7.34	7.20	-174.28	20.00	-125.44	198.15	183.73	14.42	13.740		
3,000.00	2,995.25	2,949.20	2,933.87	7.62	7.33	-174.56	20.00	-149.27	237.16	222.35	14.81	16.012		
3,100.00	3,094.27	3,041.27	3,022.81	7.91	7.47	-174.75	20.00	-173.10	276.18	260.96	15.22	18.148		
3,200.00	3,193.30	3,133.34	3,111.74	8.21	7.61	-174.90	20.00	-196.93	315.20	299.55	15.64	20.151		
3,300.00	3,292.33	3,225.41	3,200.67	8.53	7.75	-175.01	20.00	-220.76	354.22	338.14	16.08	22.029		
3,400.00	3,391.35	3,317.48	3,289.61	8.85	7.89	-175.11	20.00	-244.59	393.24	376.71	16.53	23.787		
3,500.00	3,490.38	3,409.55	3,378.54	9.19	8.04	-175.18	20.00	-268.42	432.26	415.26	17.00	25.432		
3,600.00	3,589.41	3,501.62	3,467.48	9.53	8.19	-175.24	20.00	-292.25	471.28	453.81	17.47	26.973		
3,700.00	3,688.43	3,593.70	3,556.41	9.88	8.34	-175.30	20.00	-316.08	510.30	492.34	17.96	28.414		
3,800.00	3,787.46	3,685.77	3,645.34	10.24	8.50	-175.34	20.00	-339.91	549.33	530.87	18.46	29.763		
3,900.00	3,886.49	3,777.84	3,734.28	10.60	8.66	-175.38	20.00	-363.74	588.35	569.39	18.96	31.027		
4,000.00	3,985.52	3,869.91	3,823.21	10.97	8.82	-175.42	20.00	-387.57	627.37	607.90	19.48	32.212		
4,100.00	4,084.54	3,961.98	3,912.14	11.34	8.99	-175.45	20.00	-411.40	666.40	646.40	20.00	33.322		
4,200.00	4,183.57	4,054.05	4,001.08	11.71	9.15	-175.47	20.00	-435.23	705.42	684.89	20.53	34.365		
4,300.00	4,282.60	4,146.12	4,090.01	12.09	9.32	-175.50	20.00	-459.06	744.45	723.38	21.06	35.344		
4,365.62	4,347.58	4,206.54	4,148.37	12.33	9.43	-175.51	20.00	-474.69	770.05	748.65	21.40	35.981		
4,400.00	4,381.64	4,238.23	4,178.98	12.45	9.49	-175.53	20.00	-482.90	783.37	761.80	21.57	36.312		
4,500.00	4,480.86	4,330.86	4,268.46	12.82	9.66	-175.57	20.00	-506.87	821.04	798.93	22.11	37.128		
4,600.00	4,580.28	4,424.14	4,358.56	13.19	9.84	-175.60	20.00	-531.01	857.09	834.44	22.65	37.841		
4,700.00	4,679.87	4,518.03	4,449.24	13.55	10.02	-175.62	20.00	-555.31	891.51	868.33	23.18	38.461		

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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

<b>Offset Design:</b> TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP2													<b>Offset Site Error:</b> 0.00 usft
<b>Survey Program:</b> 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1+SAG+FDIR, 10148-r.5 MWD+IFR1+SAG+FDIR													<b>Offset Well Error:</b> 0.00 usft
<b>Reference</b>													
<b>Offset</b>				<b>Semi Major Axis</b>			<b>Offset Wellbore Centre</b>		<b>Distance</b>				
<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Measured Depth (usft)</b>	<b>Vertical Depth (usft)</b>	<b>Reference (usft)</b>	<b>Offset (usft)</b>	<b>Highside Toolface (°)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Between Centres (usft)</b>	<b>Between Ellipses (usft)</b>	<b>No-Go Distance (usft)</b>	<b>Separation Factor</b>	<b>Warning</b>
4,800.00	4,779.61	4,612.50	4,540.50	13.90	10.20	-175.63	20.00	-579.77	924.30	900.60	23.70	39.000	
4,900.00	4,879.45	4,707.53	4,632.29	14.23	10.39	-175.63	20.00	-604.36	955.43	931.22	24.21	39.470	
5,000.00	4,979.38	4,803.08	4,724.59	14.53	10.57	-175.63	20.00	-629.09	984.91	960.21	24.69	39.888	

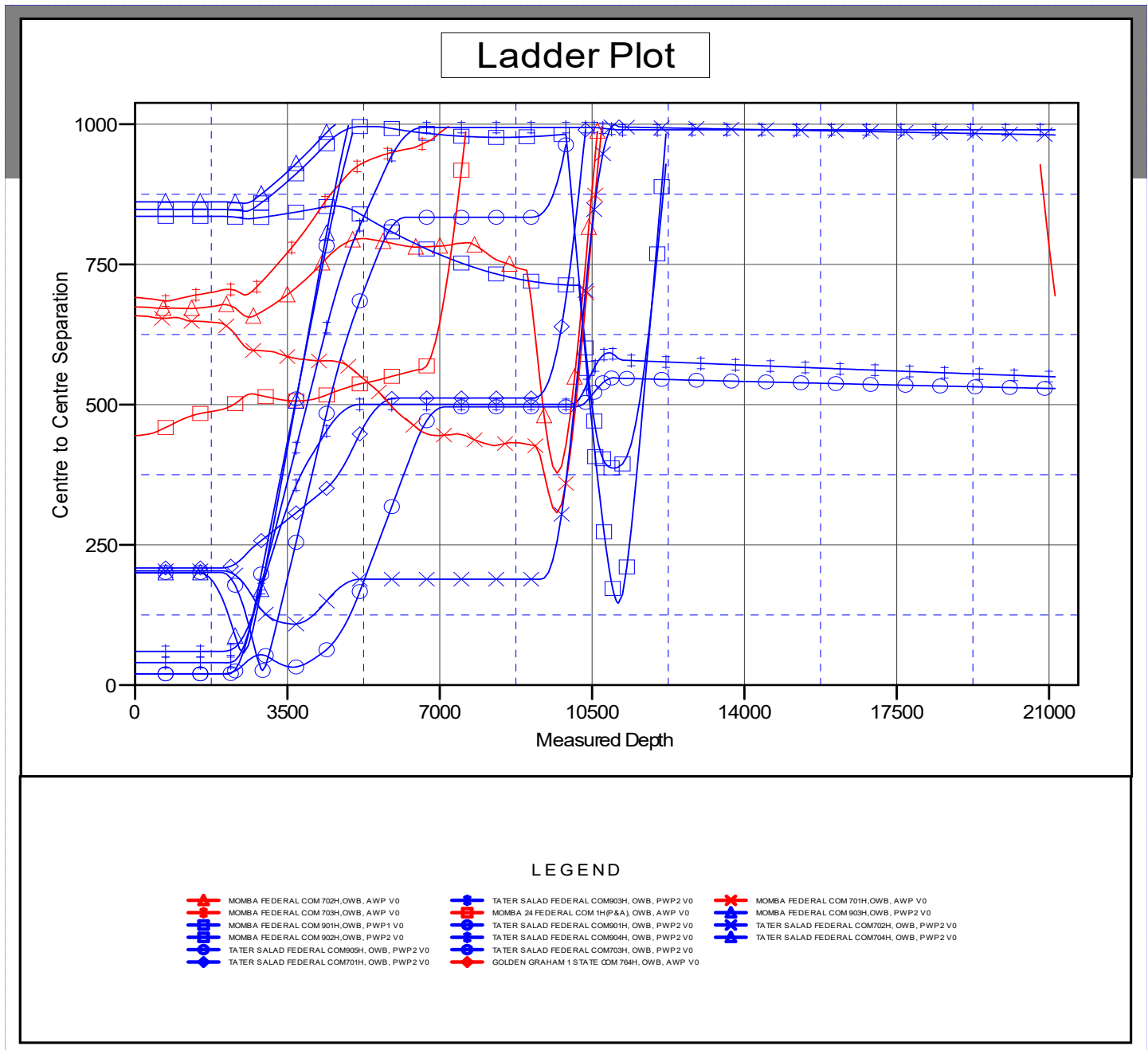
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

### ConocoPhillips Anticollision Report

<b>Company:</b> DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b> Well TATER SALAD FEDERAL COM 902H
<b>Project:</b> ATLAS PROSPECT_NME	<b>TVD Reference:</b> RKB=32ft @ 2945.00usft
<b>Reference Site:</b> TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b> RKB=32ft @ 2945.00usft
<b>Site Error:</b> 0.00 usft	<b>North Reference:</b> Grid
<b>Reference Well:</b> TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Well Error:</b> 0.00 usft	<b>Output errors are at:</b> 2.00 sigma
<b>Reference Wellbore:</b> OWB	<b>Database:</b> EDT 17 Permian Prod
<b>Reference Design:</b> PWP2	<b>Offset TVD Reference:</b> Reference Datum

Reference Depths are relative to RKB=32ft @ 2945.00usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 902H  
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
 Grid Convergence at Surface is: 0.16°



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

### ConocoPhillips Anticollision Report

<b>Company:</b>	DELAWARE BASIN WEST	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Project:</b>	ATLAS PROSPECT_NME	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Reference Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	OWB	<b>Database:</b>	EDT 17 Permian Prod
<b>Reference Design:</b>	PWP2	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to RKB=32ft @ 2945.00usft

Coordinates are relative to: TATER SALAD FEDERAL COM 902H

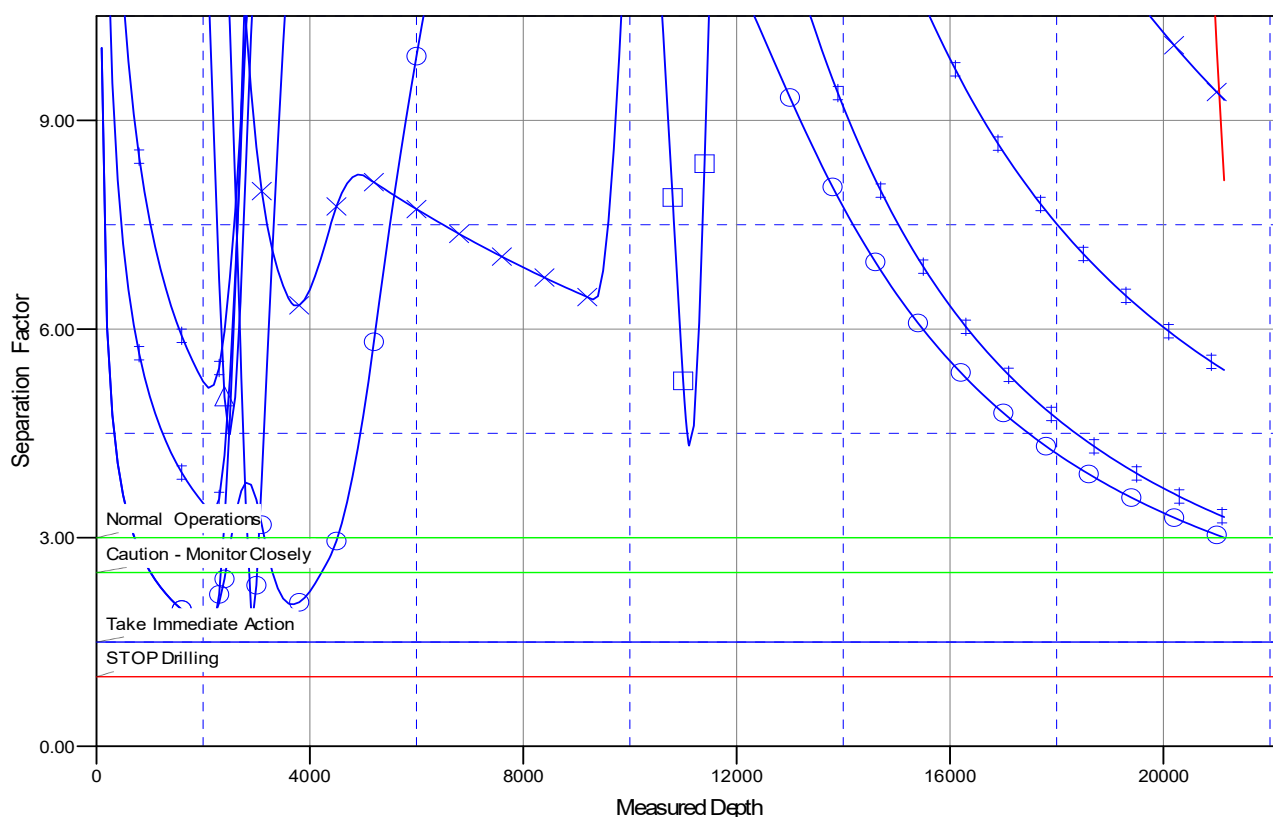
Offset Depths are relative to Offset Datum

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

Central Meridian is 104° 20' 0.000 W

Grid Convergence at Surface is: 0.16°

## Separation Factor Plot



### LEGEND

- |  |   |  |
|--|---|--|
| MOMBA FEDERAL COM 702H, OWB, AWP V0        | TATER SALAD FEDERAL COM 803H, OWB, PWP2 V0  | MOMBA FEDERAL COM 701H, OWB, AWP V0        |
| MOMBA FEDERAL COM 703H, OWB, AWP V0        | MOMBA 24 FEDERAL COM (HHP4A) OWB, AWP V0    | MOMBA FEDERAL COM 903H, OWB, PWP2 V0       |
| MOMBA FEDERAL COM 901H, OWB, PWP1 V0       | TATER SALAD FEDERAL COM 901H, OWB, PWP2 V0  | TATER SALAD FEDERAL COM 702H, OWB, PWP2 V0 |
| MOMBA FEDERAL COM 902H, OWB, PWP2 V0       | TATER SALAD FEDERAL COM 904H, OWB, PWP2 V0  | TATER SALAD FEDERAL COM 704H, OWB, PWP2 V0 |
| TATER SALAD FEDERAL COM 905H, OWB, PWP2 V0 | TATER SALAD FEDERAL COM 703H, OWB, PWP2 V0  |  |
| TATER SALAD FEDERAL COM 701H, OWB, PWP2 V0 | GOLDEN GRAHAM 1 STATE COM 764H, OWB, AWP V0 |  |

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

# **DELAWARE BASIN WEST**

**ATLAS PROSPECT\_NME  
TATER SALAD & MOMBA FEDERAL  
TATER SALAD FEDERAL COM 902H  
300154774900  
OWB**

**Plan: PWP2**

## **Standard Planning Report**

**03 February, 2026**

### ConocoPhillips Planning Report

<b>Database:</b>	EDT 17 Permian Prod	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Company:</b>	DELAWARE BASIN WEST	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Project:</b>	ATLAS PROSPECT_NME	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>North Reference:</b>	Grid
<b>Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PWP2		

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

<b>Site</b>	TATER SALAD & MOMBA FEDERAL				
<b>Site Position:</b>		<b>Northing:</b>	376,681.58 usft	<b>Latitude:</b>	32° 2' 6.913 N
<b>From:</b>	Map	<b>Easting:</b>	593,463.23 usft	<b>Longitude:</b>	104° 1' 54.189 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "		

<b>Well</b>	TATER SALAD FEDERAL COM 902H					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	376,429.40 usft	<b>Latitude:</b>	32° 2' 4.448 N
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	592,315.40 usft	<b>Longitude:</b>	104° 2' 7.531 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	2,913.00 usft
<b>Grid Convergence:</b>	0.16 °					

<b>Wellbore</b>	OWB				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2025	5/1/2026	6.38	59.49	46,995.14591941

<b>Design</b>	PWP2			
<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	1.69

<b>Plan Survey Tool Program</b>	<b>Date</b>	2/3/2026		
<b>Depth From (usft)</b>	<b>Depth To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Remarks</b>
1	0.00	2,000.00 PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +	
2	2,000.00	10,318.18 PWP2 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5	
3	10,318.18	21,140.85 PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +	

**ConocoPhillips**  
Planning Report

<b>Database:</b>	EDT 17 Permian Prod	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Company:</b>	DELAWARE BASIN WEST	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Project:</b>	ATLAS PROSPECT_NME	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>North Reference:</b>	Grid
<b>Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PWP2		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	5.00	55.00	2,499.37	12.51	17.86	1.00	1.00	0.00	55.00	
2,717.41	8.00	83.87	2,715.41	19.56	40.67	2.00	1.38	13.28	62.42	
4,365.62	8.00	83.87	4,347.58	44.05	268.76	0.00	0.00	0.00	0.00	
5,165.64	0.00	0.00	5,145.00	50.00	324.20	1.00	-1.00	0.00	180.00	
10,318.18	0.00	0.00	10,297.54	50.00	324.20	0.00	0.00	0.00	0.00	
11,066.99	89.86	359.93	10,775.00	526.28	323.64	12.00	12.00	-0.01	359.93	
21,140.85	89.86	359.93	10,800.00	10,600.10	311.90	0.00	0.00	0.00	0.00	

### ConocoPhillips

#### Planning Report

<b>Database:</b>	EDT 17 Permian Prod	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Company:</b>	DELAWARE BASIN WEST	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Project:</b>	ATLAS PROSPECT_NME	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>North Reference:</b>	Grid
<b>Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PWP2		

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	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	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	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	1.00	55.00	2,099.99	0.50	0.71	0.52	1.00	1.00	1.00	0.00
2,200.00	2.00	55.00	2,199.96	2.00	2.86	2.09	1.00	1.00	1.00	0.00
2,300.00	3.00	55.00	2,299.86	4.50	6.43	4.69	1.00	1.00	1.00	0.00
2,400.00	4.00	55.00	2,399.68	8.01	11.43	8.34	1.00	1.00	1.00	0.00
2,500.00	5.00	55.00	2,499.37	12.51	17.86	13.03	1.00	1.00	1.00	0.00
2,600.00	6.18	71.69	2,598.89	16.70	26.54	17.47	2.00	1.18	1.18	16.69
2,700.00	7.71	82.43	2,698.16	19.28	38.31	20.39	2.00	1.53	1.53	10.75
2,717.41	8.00	83.87	2,715.41	19.56	40.67	20.75	2.00	1.65	1.65	8.27
2,800.00	8.00	83.87	2,797.19	20.79	52.10	22.31	0.00	0.00	0.00	0.00
2,900.00	8.00	83.87	2,896.22	22.27	65.94	24.20	0.00	0.00	0.00	0.00
3,000.00	8.00	83.87	2,995.25	23.76	79.78	26.09	0.00	0.00	0.00	0.00
3,100.00	8.00	83.87	3,094.27	25.24	93.62	27.99	0.00	0.00	0.00	0.00
3,200.00	8.00	83.87	3,193.30	26.73	107.46	29.88	0.00	0.00	0.00	0.00
3,300.00	8.00	83.87	3,292.33	28.21	121.29	31.77	0.00	0.00	0.00	0.00
3,400.00	8.00	83.87	3,391.35	29.70	135.13	33.66	0.00	0.00	0.00	0.00
3,500.00	8.00	83.87	3,490.38	31.19	148.97	35.55	0.00	0.00	0.00	0.00
3,600.00	8.00	83.87	3,589.41	32.67	162.81	37.45	0.00	0.00	0.00	0.00
3,700.00	8.00	83.87	3,688.43	34.16	176.65	39.34	0.00	0.00	0.00	0.00
3,800.00	8.00	83.87	3,787.46	35.64	190.48	41.23	0.00	0.00	0.00	0.00
3,900.00	8.00	83.87	3,886.49	37.13	204.32	43.12	0.00	0.00	0.00	0.00
4,000.00	8.00	83.87	3,985.52	38.61	218.16	45.01	0.00	0.00	0.00	0.00
4,100.00	8.00	83.87	4,084.54	40.10	232.00	46.91	0.00	0.00	0.00	0.00
4,200.00	8.00	83.87	4,183.57	41.59	245.84	48.80	0.00	0.00	0.00	0.00
4,300.00	8.00	83.87	4,282.60	43.07	259.68	50.69	0.00	0.00	0.00	0.00
4,365.62	8.00	83.87	4,347.58	44.05	268.76	51.93	0.00	0.00	0.00	0.00
4,400.00	7.66	83.87	4,381.64	44.55	273.41	52.57	1.00	-1.00	-1.00	0.00
4,500.00	6.66	83.87	4,480.86	45.88	285.80	54.26	1.00	-1.00	-1.00	0.00
4,600.00	5.66	83.87	4,580.28	47.02	296.46	55.72	1.00	-1.00	-1.00	0.00
4,700.00	4.66	83.87	4,679.87	47.98	305.40	56.94	1.00	-1.00	-1.00	0.00
4,800.00	3.66	83.87	4,779.61	48.75	312.60	57.93	1.00	-1.00	-1.00	0.00
4,900.00	2.66	83.87	4,879.45	49.34	318.08	58.68	1.00	-1.00	-1.00	0.00
5,000.00	1.66	83.87	4,979.38	49.74	321.82	59.19	1.00	-1.00	-1.00	0.00
5,100.00	0.66	83.87	5,079.36	49.96	323.83	59.46	1.00	-1.00	-1.00	0.00

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#### Planning Report

<b>Database:</b>	EDT 17 Permian Prod	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Company:</b>	DELAWARE BASIN WEST	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Project:</b>	ATLAS PROSPECT_NME	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>North Reference:</b>	Grid
<b>Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PWP2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,165.64	0.00	0.00	5,145.00	50.00	324.20	59.51	1.00	-1.00	0.00	
5,200.00	0.00	0.00	5,179.36	50.00	324.20	59.51	0.00	0.00	0.00	
5,300.00	0.00	0.00	5,279.36	50.00	324.20	59.51	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,379.36	50.00	324.20	59.51	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,479.36	50.00	324.20	59.51	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,579.36	50.00	324.20	59.51	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,679.36	50.00	324.20	59.51	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,779.36	50.00	324.20	59.51	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,879.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,979.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,100.00	0.00	0.00	6,079.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,200.00	0.00	0.00	6,179.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,279.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,379.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,479.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,579.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,679.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,779.36	50.00	324.20	59.51	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,879.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,979.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,100.00	0.00	0.00	7,079.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,200.00	0.00	0.00	7,179.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,279.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,379.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,479.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,579.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,679.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,779.36	50.00	324.20	59.51	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,879.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,979.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,100.00	0.00	0.00	8,079.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,200.00	0.00	0.00	8,179.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,279.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,379.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,479.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,579.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,679.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,779.36	50.00	324.20	59.51	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,879.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,000.00	0.00	0.00	8,979.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,100.00	0.00	0.00	9,079.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,200.00	0.00	0.00	9,179.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,300.00	0.00	0.00	9,279.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,400.00	0.00	0.00	9,379.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,500.00	0.00	0.00	9,479.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,600.00	0.00	0.00	9,579.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,700.00	0.00	0.00	9,679.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,800.00	0.00	0.00	9,779.36	50.00	324.20	59.51	0.00	0.00	0.00	
9,900.00	0.00	0.00	9,879.36	50.00	324.20	59.51	0.00	0.00	0.00	
10,000.00	0.00	0.00	9,979.36	50.00	324.20	59.51	0.00	0.00	0.00	
10,100.00	0.00	0.00	10,079.36	50.00	324.20	59.51	0.00	0.00	0.00	
10,200.00	0.00	0.00	10,179.36	50.00	324.20	59.51	0.00	0.00	0.00	
10,300.00	0.00	0.00	10,279.36	50.00	324.20	59.51	0.00	0.00	0.00	
10,318.18	0.00	0.00	10,297.54	50.00	324.20	59.51	0.00	0.00	0.00	

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Planning Report

<b>Database:</b>	EDT 17 Permian Prod	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Company:</b>	DELAWARE BASIN WEST	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Project:</b>	ATLAS PROSPECT_NME	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>North Reference:</b>	Grid
<b>Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PWP2		

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)
10,325.00	0.82	359.93	10,304.36	50.05	324.20	59.56	12.00	12.00	0.00
10,350.00	3.82	359.93	10,329.34	51.06	324.20	60.57	12.00	12.00	0.00
10,375.00	6.82	359.93	10,354.23	53.38	324.20	62.89	12.00	12.00	0.00
10,400.00	9.82	359.93	10,378.96	56.99	324.19	66.50	12.00	12.00	0.00
10,425.00	12.82	359.93	10,403.47	61.90	324.19	71.41	12.00	12.00	0.00
10,450.00	15.82	359.93	10,427.69	68.08	324.18	77.59	12.00	12.00	0.00
10,475.00	18.82	359.93	10,451.56	75.52	324.17	85.02	12.00	12.00	0.00
10,500.00	21.82	359.93	10,475.00	84.20	324.16	93.70	12.00	12.00	0.00
10,525.00	24.82	359.93	10,497.95	94.10	324.15	103.59	12.00	12.00	0.00
10,550.00	27.82	359.93	10,520.36	105.18	324.14	114.67	12.00	12.00	0.00
10,575.00	30.82	359.93	10,542.15	117.42	324.12	126.90	12.00	12.00	0.00
10,600.00	33.82	359.93	10,563.28	130.79	324.11	140.26	12.00	12.00	0.00
10,625.00	36.82	359.93	10,583.67	145.24	324.09	154.71	12.00	12.00	0.00
10,650.00	39.82	359.93	10,603.29	160.74	324.07	170.20	12.00	12.00	0.00
10,675.00	42.82	359.93	10,622.06	177.24	324.05	186.69	12.00	12.00	0.00
10,700.00	45.82	359.93	10,639.95	194.70	324.03	204.15	12.00	12.00	0.00
10,725.00	48.82	359.93	10,656.89	213.08	324.01	222.52	12.00	12.00	0.00
10,750.00	51.82	359.93	10,672.85	232.32	323.99	241.75	12.00	12.00	0.00
10,775.00	54.82	359.93	10,687.78	252.37	323.96	261.78	12.00	12.00	0.00
10,800.00	57.82	359.93	10,701.65	273.17	323.94	282.58	12.00	12.00	0.00
10,825.00	60.82	359.93	10,714.40	294.66	323.91	304.06	12.00	12.00	0.00
10,850.00	63.82	359.93	10,726.02	316.80	323.89	326.19	12.00	12.00	0.00
10,875.00	66.82	359.93	10,736.45	339.51	323.86	348.89	12.00	12.00	0.00
10,900.00	69.82	359.93	10,745.69	362.74	323.84	372.11	12.00	12.00	0.00
10,925.00	72.82	359.93	10,753.70	386.42	323.81	395.78	12.00	12.00	0.00
10,950.00	75.82	359.93	10,760.45	410.49	323.78	419.84	12.00	12.00	0.00
10,975.00	78.82	359.93	10,765.94	434.88	323.75	444.21	12.00	12.00	0.00
11,000.00	81.82	359.93	10,770.14	459.52	323.72	468.84	12.00	12.00	0.00
11,025.00	84.82	359.93	10,773.05	484.35	323.69	493.66	12.00	12.00	0.00
11,050.00	87.82	359.93	10,774.66	509.29	323.66	518.59	12.00	12.00	0.00
11,066.99	89.86	359.93	10,775.00	526.28	323.64	535.57	12.00	12.00	0.00
11,100.00	89.86	359.93	10,775.08	559.29	323.61	568.56	0.00	0.00	0.00
11,200.00	89.86	359.93	10,775.33	659.29	323.49	668.52	0.00	0.00	0.00
11,300.00	89.86	359.93	10,775.58	759.29	323.37	768.47	0.00	0.00	0.00
11,400.00	89.86	359.93	10,775.83	859.29	323.26	868.42	0.00	0.00	0.00
11,500.00	89.86	359.93	10,776.08	959.29	323.14	968.37	0.00	0.00	0.00
11,600.00	89.86	359.93	10,776.32	1,059.28	323.02	1,068.33	0.00	0.00	0.00
11,700.00	89.86	359.93	10,776.57	1,159.28	322.91	1,168.28	0.00	0.00	0.00
11,800.00	89.86	359.93	10,776.82	1,259.28	322.79	1,268.23	0.00	0.00	0.00
11,900.00	89.86	359.93	10,777.07	1,359.28	322.67	1,368.19	0.00	0.00	0.00
12,000.00	89.86	359.93	10,777.32	1,459.28	322.56	1,468.14	0.00	0.00	0.00
12,100.00	89.86	359.93	10,777.56	1,559.28	322.44	1,568.09	0.00	0.00	0.00
12,200.00	89.86	359.93	10,777.81	1,659.28	322.32	1,668.04	0.00	0.00	0.00
12,300.00	89.86	359.93	10,778.06	1,759.28	322.21	1,768.00	0.00	0.00	0.00
12,400.00	89.86	359.93	10,778.31	1,859.28	322.09	1,867.95	0.00	0.00	0.00
12,500.00	89.86	359.93	10,778.56	1,959.28	321.97	1,967.90	0.00	0.00	0.00
12,600.00	89.86	359.93	10,778.80	2,059.28	321.86	2,067.86	0.00	0.00	0.00
12,700.00	89.86	359.93	10,779.05	2,159.28	321.74	2,167.81	0.00	0.00	0.00
12,800.00	89.86	359.93	10,779.30	2,259.28	321.62	2,267.76	0.00	0.00	0.00
12,900.00	89.86	359.93	10,779.55	2,359.28	321.51	2,367.72	0.00	0.00	0.00
13,000.00	89.86	359.93	10,779.80	2,459.28	321.39	2,467.67	0.00	0.00	0.00
13,100.00	89.86	359.93	10,780.05	2,559.28	321.27	2,567.62	0.00	0.00	0.00
13,200.00	89.86	359.93	10,780.29	2,659.28	321.16	2,667.57	0.00	0.00	0.00
13,300.00	89.86	359.93	10,780.54	2,759.28	321.04	2,767.53	0.00	0.00	0.00

### ConocoPhillips

#### Planning Report

<b>Database:</b>	EDT 17 Permian Prod	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Company:</b>	DELAWARE BASIN WEST	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Project:</b>	ATLAS PROSPECT_NME	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>North Reference:</b>	Grid
<b>Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PWP2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,400.00	89.86	359.93	10,780.79	2,859.28	320.92	2,867.48	0.00	0.00	0.00	
13,500.00	89.86	359.93	10,781.04	2,959.28	320.81	2,967.43	0.00	0.00	0.00	
13,600.00	89.86	359.93	10,781.29	3,059.28	320.69	3,067.39	0.00	0.00	0.00	
13,700.00	89.86	359.93	10,781.53	3,159.28	320.58	3,167.34	0.00	0.00	0.00	
13,800.00	89.86	359.93	10,781.78	3,259.28	320.46	3,267.29	0.00	0.00	0.00	
13,900.00	89.86	359.93	10,782.03	3,359.28	320.34	3,367.24	0.00	0.00	0.00	
14,000.00	89.86	359.93	10,782.28	3,459.28	320.23	3,467.20	0.00	0.00	0.00	
14,100.00	89.86	359.93	10,782.53	3,559.28	320.11	3,567.15	0.00	0.00	0.00	
14,200.00	89.86	359.93	10,782.78	3,659.28	319.99	3,667.10	0.00	0.00	0.00	
14,300.00	89.86	359.93	10,783.02	3,759.27	319.88	3,767.06	0.00	0.00	0.00	
14,400.00	89.86	359.93	10,783.27	3,859.27	319.76	3,867.01	0.00	0.00	0.00	
14,500.00	89.86	359.93	10,783.52	3,959.27	319.64	3,966.96	0.00	0.00	0.00	
14,600.00	89.86	359.93	10,783.77	4,059.27	319.53	4,066.92	0.00	0.00	0.00	
14,700.00	89.86	359.93	10,784.02	4,159.27	319.41	4,166.87	0.00	0.00	0.00	
14,800.00	89.86	359.93	10,784.26	4,259.27	319.29	4,266.82	0.00	0.00	0.00	
14,900.00	89.86	359.93	10,784.51	4,359.27	319.18	4,366.77	0.00	0.00	0.00	
15,000.00	89.86	359.93	10,784.76	4,459.27	319.06	4,466.73	0.00	0.00	0.00	
15,100.00	89.86	359.93	10,785.01	4,559.27	318.94	4,566.68	0.00	0.00	0.00	
15,200.00	89.86	359.93	10,785.26	4,659.27	318.83	4,666.63	0.00	0.00	0.00	
15,300.00	89.86	359.93	10,785.51	4,759.27	318.71	4,766.59	0.00	0.00	0.00	
15,400.00	89.86	359.93	10,785.75	4,859.27	318.59	4,866.54	0.00	0.00	0.00	
15,500.00	89.86	359.93	10,786.00	4,959.27	318.48	4,966.49	0.00	0.00	0.00	
15,600.00	89.86	359.93	10,786.25	5,059.27	318.36	5,066.44	0.00	0.00	0.00	
15,700.00	89.86	359.93	10,786.50	5,159.27	318.24	5,166.40	0.00	0.00	0.00	
15,800.00	89.86	359.93	10,786.75	5,259.27	318.13	5,266.35	0.00	0.00	0.00	
15,900.00	89.86	359.93	10,786.99	5,359.27	318.01	5,366.30	0.00	0.00	0.00	
16,000.00	89.86	359.93	10,787.24	5,459.27	317.89	5,466.26	0.00	0.00	0.00	
16,100.00	89.86	359.93	10,787.49	5,559.27	317.78	5,566.21	0.00	0.00	0.00	
16,200.00	89.86	359.93	10,787.74	5,659.27	317.66	5,666.16	0.00	0.00	0.00	
16,300.00	89.86	359.93	10,787.99	5,759.27	317.54	5,766.12	0.00	0.00	0.00	
16,400.00	89.86	359.93	10,788.24	5,859.27	317.43	5,866.07	0.00	0.00	0.00	
16,500.00	89.86	359.93	10,788.48	5,959.27	317.31	5,966.02	0.00	0.00	0.00	
16,600.00	89.86	359.93	10,788.73	6,059.27	317.19	6,065.97	0.00	0.00	0.00	
16,700.00	89.86	359.93	10,788.98	6,159.27	317.08	6,165.93	0.00	0.00	0.00	
16,800.00	89.86	359.93	10,789.23	6,259.27	316.96	6,265.88	0.00	0.00	0.00	
16,900.00	89.86	359.93	10,789.48	6,359.27	316.84	6,365.83	0.00	0.00	0.00	
17,000.00	89.86	359.93	10,789.72	6,459.26	316.73	6,465.79	0.00	0.00	0.00	
17,100.00	89.86	359.93	10,789.97	6,559.26	316.61	6,565.74	0.00	0.00	0.00	
17,200.00	89.86	359.93	10,790.22	6,659.26	316.49	6,665.69	0.00	0.00	0.00	
17,300.00	89.86	359.93	10,790.47	6,759.26	316.38	6,765.64	0.00	0.00	0.00	
17,400.00	89.86	359.93	10,790.72	6,859.26	316.26	6,865.60	0.00	0.00	0.00	
17,500.00	89.86	359.93	10,790.96	6,959.26	316.14	6,965.55	0.00	0.00	0.00	
17,600.00	89.86	359.93	10,791.21	7,059.26	316.03	7,065.50	0.00	0.00	0.00	
17,700.00	89.86	359.93	10,791.46	7,159.26	315.91	7,165.46	0.00	0.00	0.00	
17,800.00	89.86	359.93	10,791.71	7,259.26	315.79	7,265.41	0.00	0.00	0.00	
17,900.00	89.86	359.93	10,791.96	7,359.26	315.68	7,365.36	0.00	0.00	0.00	
18,000.00	89.86	359.93	10,792.21	7,459.26	315.56	7,465.32	0.00	0.00	0.00	
18,100.00	89.86	359.93	10,792.45	7,559.26	315.45	7,565.27	0.00	0.00	0.00	
18,200.00	89.86	359.93	10,792.70	7,659.26	315.33	7,665.22	0.00	0.00	0.00	
18,300.00	89.86	359.93	10,792.95	7,759.26	315.21	7,765.17	0.00	0.00	0.00	
18,400.00	89.86	359.93	10,793.20	7,859.26	315.10	7,865.13	0.00	0.00	0.00	
18,500.00	89.86	359.93	10,793.45	7,959.26	314.98	7,965.08	0.00	0.00	0.00	
18,600.00	89.86	359.93	10,793.69	8,059.26	314.86	8,065.03	0.00	0.00	0.00	
18,700.00	89.86	359.93	10,793.94	8,159.26	314.75	8,164.99	0.00	0.00	0.00	

### ConocoPhillips

#### Planning Report

<b>Database:</b>	EDT 17 Permian Prod	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Company:</b>	DELAWARE BASIN WEST	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Project:</b>	ATLAS PROSPECT_NME	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>North Reference:</b>	Grid
<b>Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PWP2		

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)	
18,800.00	89.86	359.93	10,794.19	8,259.26	314.63	8,264.94	0.00	0.00	0.00	
18,900.00	89.86	359.93	10,794.44	8,359.26	314.51	8,364.89	0.00	0.00	0.00	
19,000.00	89.86	359.93	10,794.69	8,459.26	314.40	8,464.84	0.00	0.00	0.00	
19,100.00	89.86	359.93	10,794.94	8,559.26	314.28	8,564.80	0.00	0.00	0.00	
19,200.00	89.86	359.93	10,795.18	8,659.26	314.16	8,664.75	0.00	0.00	0.00	
19,300.00	89.86	359.93	10,795.43	8,759.26	314.05	8,764.70	0.00	0.00	0.00	
19,400.00	89.86	359.93	10,795.68	8,859.26	313.93	8,864.66	0.00	0.00	0.00	
19,500.00	89.86	359.93	10,795.93	8,959.26	313.81	8,964.61	0.00	0.00	0.00	
19,600.00	89.86	359.93	10,796.18	9,059.26	313.70	9,064.56	0.00	0.00	0.00	
19,700.00	89.86	359.93	10,796.42	9,159.25	313.58	9,164.52	0.00	0.00	0.00	
19,800.00	89.86	359.93	10,796.67	9,259.25	313.46	9,264.47	0.00	0.00	0.00	
19,900.00	89.86	359.93	10,796.92	9,359.25	313.35	9,364.42	0.00	0.00	0.00	
20,000.00	89.86	359.93	10,797.17	9,459.25	313.23	9,464.37	0.00	0.00	0.00	
20,100.00	89.86	359.93	10,797.42	9,559.25	313.11	9,564.33	0.00	0.00	0.00	
20,200.00	89.86	359.93	10,797.67	9,659.25	313.00	9,664.28	0.00	0.00	0.00	
20,300.00	89.86	359.93	10,797.91	9,759.25	312.88	9,764.23	0.00	0.00	0.00	
20,400.00	89.86	359.93	10,798.16	9,859.25	312.76	9,864.19	0.00	0.00	0.00	
20,500.00	89.86	359.93	10,798.41	9,959.25	312.65	9,964.14	0.00	0.00	0.00	
20,600.00	89.86	359.93	10,798.66	10,059.25	312.53	10,064.09	0.00	0.00	0.00	
20,700.00	89.86	359.93	10,798.91	10,159.25	312.41	10,164.04	0.00	0.00	0.00	
20,800.00	89.86	359.93	10,799.15	10,259.25	312.30	10,264.00	0.00	0.00	0.00	
20,900.00	89.86	359.93	10,799.40	10,359.25	312.18	10,363.95	0.00	0.00	0.00	
21,000.00	89.86	359.93	10,799.65	10,459.25	312.06	10,463.90	0.00	0.00	0.00	
21,100.00	89.86	359.93	10,799.90	10,559.25	311.95	10,563.86	0.00	0.00	0.00	
21,140.85	89.86	359.93	10,800.00	10,600.10	311.90	10,604.69	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP (TATER SALAD FE - hit/miss target - Shape)	0.00	0.00	10,775.00	577.00	323.30	377,006.40	592,638.70	32° 2' 10.150 N	104° 2' 3.757 W	- plan misses target center by 0.31usft at 11117.71usft MD (10775.13 TVD, 577.00 N, 323.59 E) - Circle (radius 50.00)
LTP (TATER SALAD FEI - plan misses target center by 0.05usft at 21010.85usft MD (10799.68 TVD, 10470.10 N, 312.05 E) - Point)	0.00	0.00	10,799.68	10,470.10	312.10	386,899.50	592,627.50	32° 3' 48.057 N	104° 2' 3.569 W	
PBHL (TATER SALAD F - plan hits target center - Rectangle (sides W100.00 H10,032.00 D20.00))	-0.14	179.93	10,800.00	10,600.10	311.90	387,029.50	592,627.30	32° 3' 49.344 N	104° 2' 3.567 W	

**ConocoPhillips**  
Planning Report

<b>Database:</b>	EDT 17 Permian Prod	<b>Local Co-ordinate Reference:</b>	Well TATER SALAD FEDERAL COM 902H
<b>Company:</b>	DELAWARE BASIN WEST	<b>TVD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Project:</b>	ATLAS PROSPECT_NME	<b>MD Reference:</b>	RKB=32ft @ 2945.00usft
<b>Site:</b>	TATER SALAD & MOMBA FEDERAL	<b>North Reference:</b>	Grid
<b>Well:</b>	TATER SALAD FEDERAL COM 902H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	PWP2		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
2,000.00	2,000.00	0.00	0.00	NUDGE @ DLS 1.00	
2,500.00	2,499.37	12.51	17.86	START DLS 2.00 TFO 62.42	
2,717.41	2,715.41	19.56	40.67	HOLD TNGT	
4,365.62	4,347.58	44.05	268.76	END NUDGE	
5,165.64	5,145.00	50.00	324.20	HOLD TO CVE KOP	
10,318.18	10,297.54	50.00	324.20	CVE KOP-START DLS 12.00 TFO 359.93	
11,066.99	10,775.00	526.28	323.64	EOC-HOLD	
21,140.85	10,800.00	10,600.10	311.90	TD @ 21140.85 MD / 10604.69 VS	



Project: ATLAS PROSPECT\_NME  
 Site: TATER SALAD & MOMBIA FEDERAL  
 Well: TATER SALAD FEDERAL COM 902H  
 Wellbore: OWB  
 Design: PWP2  
 GL: 2913.00  
 RKB=32ft @ 2945.00usft

WELL DETAILS: TATER SALAD FEDERAL COM 902H

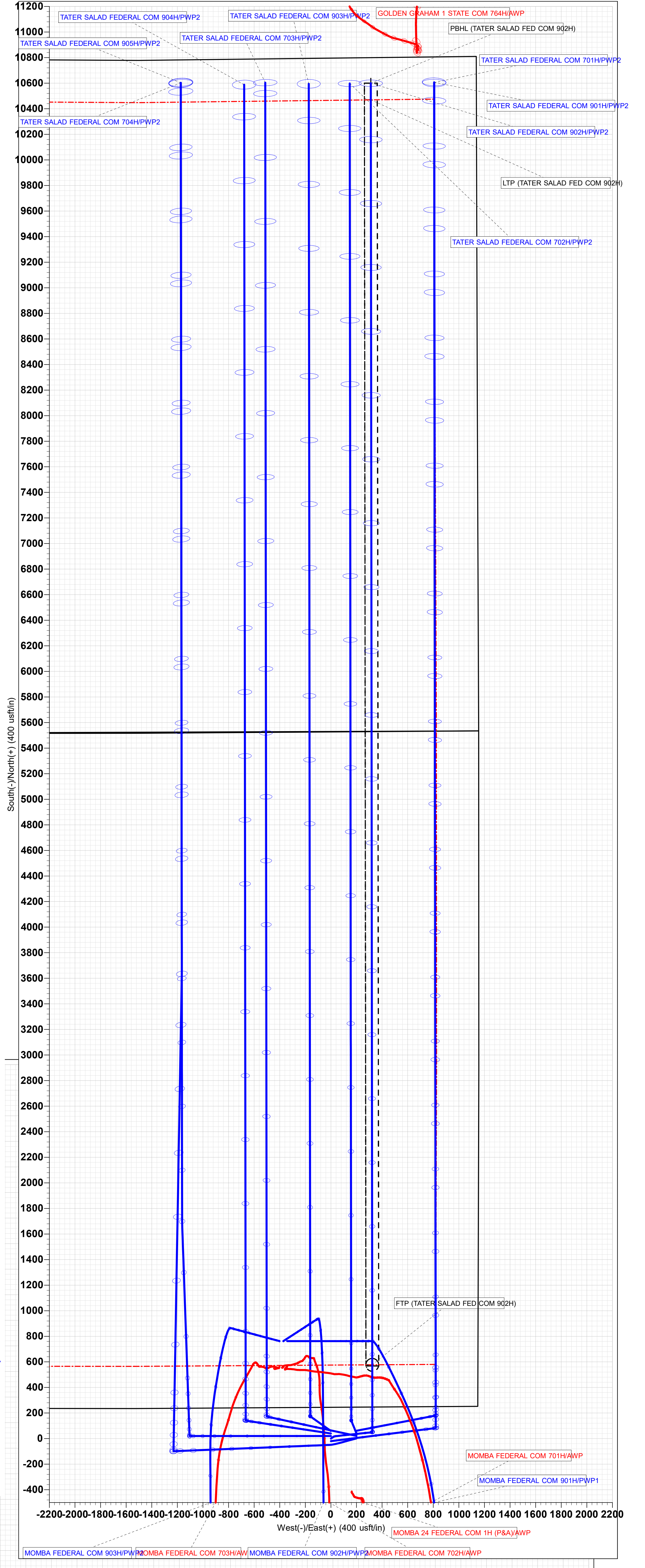
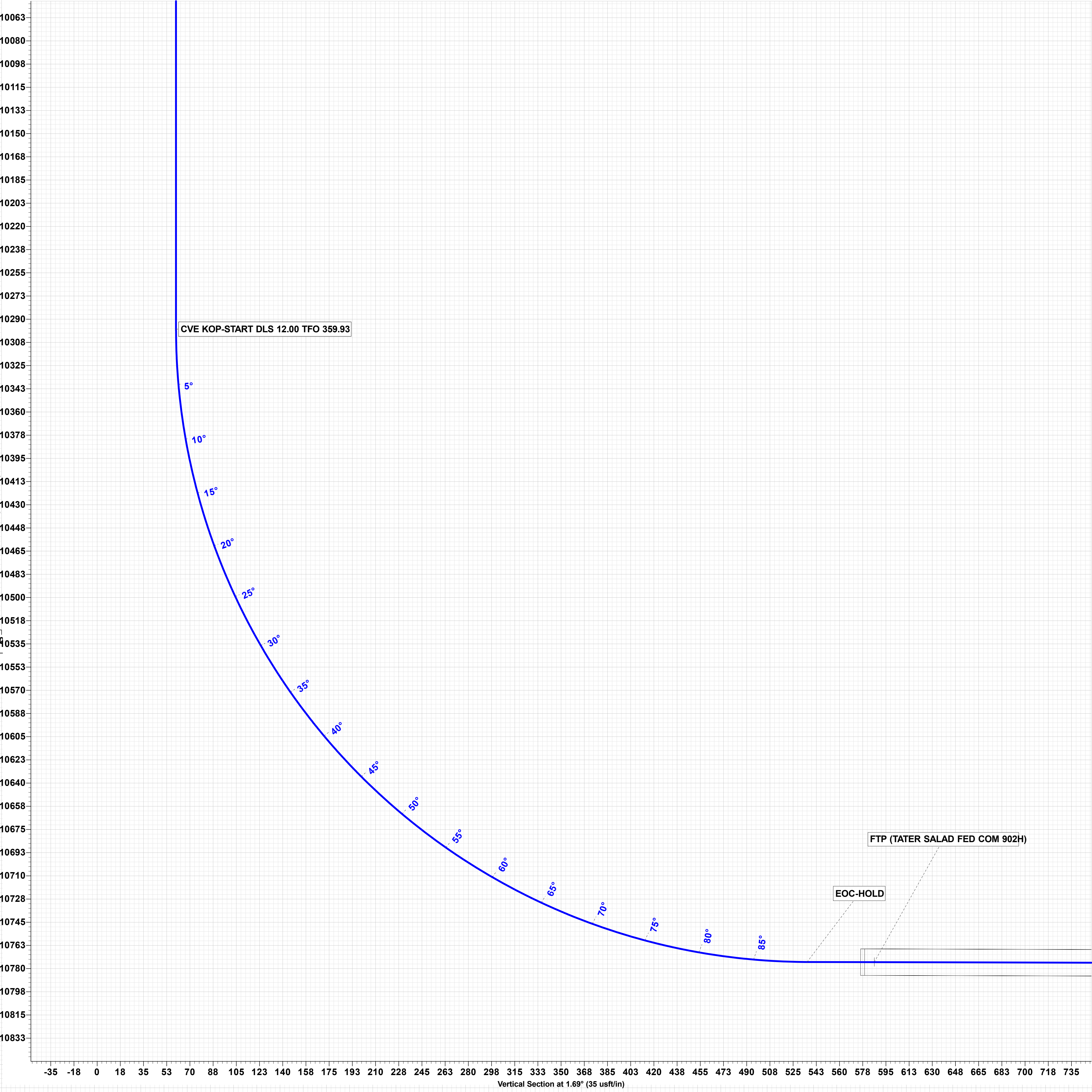
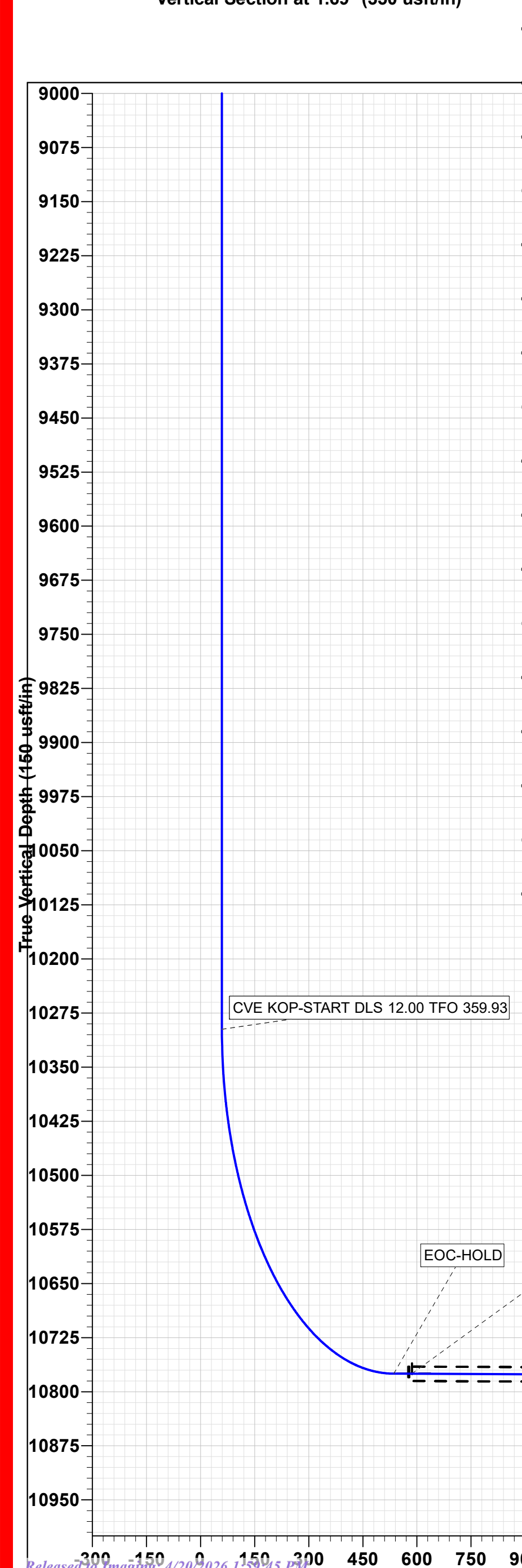
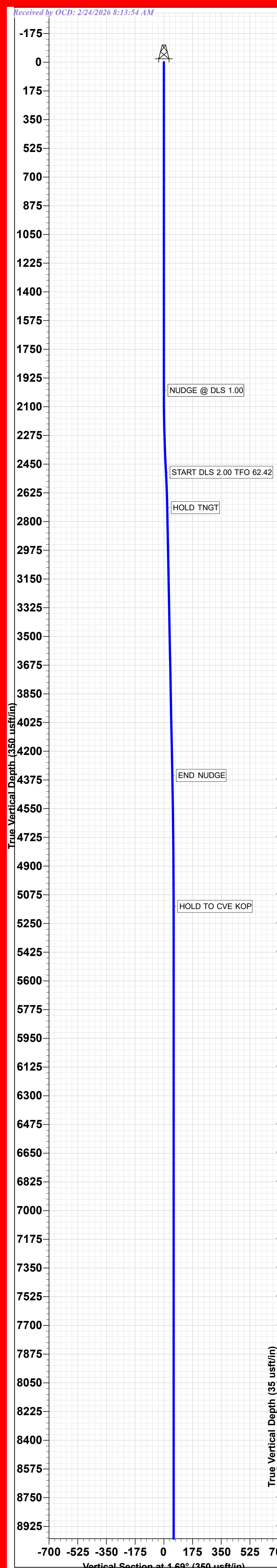
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	376429.40	592315.40	32° 2' 4.448 N	104° 2' 7.531 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (TATER SALAD FED COM 902H)	10775.00	577.00	323.30	377006.40	592638.70
LTP (TATER SALAD FED COM 902H)	10799.68	10470.10	312.10	386899.50	592627.50
PBHL (TATER SALAD FED COM 902H)	10800.00	10600.10	311.90	387029.50	592627.30

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00
2500.00	5.00	55.00	2499.37	12.51	17.86	1.00	55.00	13.03
2717.41	8.00	83.87	2715.41	19.56	40.67	2.00	62.42	20.75
4365.62	8.00	83.87	4347.58	44.05	268.76	0.00	0.00	51.93
5165.64	0.00	0.00	5145.00	50.00	324.20	1.00	180.00	59.51
10318.18	0.00	0.00	10297.54	50.00	324.20	0.00	0.00	59.51
11066.99	89.86	359.93	10775.00	526.28	323.64	12.00	359.93	535.57
21140.85	89.86	359.93	10800.00	10600.10	311.90	0.00	0.00	10604.69



Form 3160-5  
(October 2024)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0220  
Expires: October 31, 2027

**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.	NMNM12559
6. If Indian, Allottee or Tribe Name	

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. TATER SALAD FEDERAL COM/902H
2. Name of Operator COG OPERATING LLC		9. API Well No. 3001557153
3a. Address 600 West Illinois Ave, Midland, TX 79701	3b. Phone No. (include area code) (432) 683-7443	10. Field and Pool or Exploratory Area PURPLE SAGE/Wolfcamp, Gas
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 24/T26S/R28E/NMP		11. Country or Parish, State EDDY/NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 recompletion 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 determined that the site is ready for final inspection.)

COG Operating LLC, respectfully requests approval for the following changes to the original approved APD.

Summary of changes:

No changes in targets

MD at TD changed to 21,141'

TVD of target changed to 10,775'

7-5/8" casing shoe @ 10,300' MD

Contingency cement program to include bradenhead cement job if severe losses are encountered

Request surface and intermediate cement jobs to be performed offline

Request variance to perform BOPE break testing on intermediate skids

Drilling program, directional plan, AC report, bradenhead and break testing attached.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) MAYTE REYES / Ph: (281) 293-1000	Regulatory Analyst Title
Signature (Electronic Submission)	Date 02/04/2026

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

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Petroleum Engineer Title	02/18/2026 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 CARLSBAD	

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

### Location of Well

0. SHL: NENE / 245 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034694 / LONG: -104.03591 ( TVD: 0 feet, MD: 0 feet )

PPP: SESE / 330 FSL / 825 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036277 / LONG: -104.034862 ( TVD: 10765 feet, MD: 11107 feet )

PPP: SWNE / 1321 FNL / 825 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.042637 / LONG: -104.03485 ( TVD: 10798 feet, MD: 14390 feet )

BHL: NENE / 200 FNL / 825 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063831 / LONG: -104.03481 ( TVD: 10800 feet, MD: 21166 feet )

CONFIDENTIAL

U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

<b>Well Name:</b> TATER SALAD FEDERAL COM	<b>Well Location:</b> T26S / R28E / SEC 24 / NENE / 32.034694 / -104.03591	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 902H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM12559	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001557153	<b>Operator:</b> COG OPERATING LLC	

**Notice of Intent**

**Sundry ID:** 2894383

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 02/04/2026

**Time Sundry Submitted:** 01:05

**Date proposed operation will begin:** 02/04/2026

**Procedure Description:** COG Operating LLC, respectfully requests approval for the following changes to the original approved APD. Summary of changes: • No changes in targets • MD at TD changed to 21,141' • TVD of target changed to 10,775' • 7-5/8" casing shoe @ 10,300' MD • Contingency cement program to include bradenhead cement job if severe losses are encountered • Request surface and intermediate cement jobs to be performed offline • Request variance to perform BOPE break testing on intermediate skids Drilling program, directional plan, AC report, bradenhead and break testing attached.

**NOI Attachments**

**Procedure Description**

- COP\_Offline\_Bradenhead\_Intermediate\_Documentation\_20260204130514.pdf
- Tater\_Salad\_Federal\_Com\_902H\_Drilling\_Program\_20260204130513.pdf
- TATER\_SALAD\_FEDERAL\_COM\_902H\_PWP2\_AC\_RPT\_20260204130513.pdf
- TATER\_SALAD\_FEDERAL\_COM\_902H\_PWP2\_PPLOT\_20260204130513.pdf
- TATER\_SALAD\_FEDERAL\_COM\_902H\_PWP2\_DIR\_RPT\_20260204130513.pdf
- COP\_BOP\_Break\_Testing\_Documentation\_20260204130511.pdf

**Well Name:** TATER SALAD FEDERAL COM

**Well Location:** T26S / R28E / SEC 24 / NENE / 32.034694 / -104.03591

**County or Parish/State:** EDDY / NM

**Well Number:** 902H

**Type of Well:** OIL WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM12559

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 3001557153

**Operator:** COG OPERATING LLC

### Conditions of Approval

#### Additional

SEC24\_T26S\_R28E\_TATER\_SALAD\_FED\_COM\_Eddy\_\_CONOCOPHILLIPS\_COMPANY\_46064\_JS\_B\_20260211145624.pdf

SEC24\_T26S\_R28E\_TATER\_SALAD\_FED\_COM\_Eddy\_\_CONOCOPHILLIPS\_COMPANY\_46064\_JS\_20260211145624.pdf

TATER\_SALAD\_FED\_COM\_902H\_COAs\_20260211145624.pdf

### Operator

*I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a*

**Operator Electronic Signature:** MAYTE REYES

**Signed on:** FEB 04, 2026 01:05 PM

**Name:** COG OPERATING LLC

**Title:** Regulatory Analyst

**Street Address:** 925 N ELDRIDGE PARKWAY

**City:** HOUSTON **State:** TX

**Phone:** (281) 293-1000

**Email address:** MAYTE.X.REYES@CONOCOPHILLIPS.COM

### Field

**Representative Name:** Robyn Russell

**Street Address:** 600 W. Illinois Ave.

**City:** Midland **State:** TX **Zip:** 79701

**Phone:** (432)685-4385

**Email address:** robyn.m.russell@cop.com

### BLM Point of Contact

**BLM POC Name:** CHRISTOPHER WALLS

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752342234

**BLM POC Email Address:** CWALLS@BLM.GOV

**Disposition:** Approved

**Disposition Date:** 02/18/2026

**Signature:** Chris Walls

# ConocoPhillips Company - TATER SALAD FED COM 902H

## 1. Geologic Formations

TVD of target	10,775' EOL	Pilot hole depth	NA
MD at TD:	21,141'	Deepest expected fresh water:	0'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	465	Water	
Top of Salt	595	Salt	
Base of Salt	2462	Salt	
Lamar	2661	Salt Water	
Bell Canyon	2710	Salt Water	
Cherry Canyon	3527	Oil/Gas	
Brushy Canyon	4829	Oil/Gas	
Bone Spring	6373	Oil/Gas	
1st Bone Spring Sand	7274	Oil/Gas	
2nd Bone Spring Sand	7991	Oil/Gas	
3rd Bone Spring Sand	9133	Oil/Gas	
Wolfcamp	9485	Oil/Gas	
Wolfcamp A	9596	Oil/Gas	
Wolfcamp B	9939	Oil/Gas	
Wolfcamp C	10469	Target	

## 2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	450	10.75"	45.5	J55	BTC	10.15	1.14	34.92	38.88
9.875"	0	7500	7.625"	29.7	L80-ICY	BTC	1.51	1.13	3.26	3.29
8.750"	7500	10300	7.625"	29.7	P110-ICY	W513	1.37	1.71	3.49	2.10
6.75"	0	10100	5.5"	23	P110-CY	BTC	2.05	2.39	3.14	3.14
6.75"	10100	21,141	5.5"	23	P110-CY	W441	1.92	2.24	2.94	2.67
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

## 2b. Contingency Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
17.50"	0	450	13.375"	54.5	J55	BTC	5.49	2.53	34.78	37.06
12.25"	0	2570	9.625"	40	L80-IC	BTC	2.90	1.43	8.91	9.21
8.75"	2370	10300	7.625"	29.7	P110-ICY	W513	1.37	1.71	3.49	2.10
6.75"	0	10100	5.5"	23	P110-CY	BTC	2.05	2.39	3.14	3.14
6.75"	10100	21,141	5.5"	23	P110-CY	W441	1.92	2.24	2.94	2.67
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	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 43 CFR Part 3170 Subpart 3172

**Contingency program will be run if large water flows are encountered.**

The 5 1/2" W441 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.

**ConocoPhillips Company - TATER SALAD FED COM 902H**

	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.	Y
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? If yes, does production casing cement tie back a minimum of 50' above the Reef? Is well within the designated 4 string boundary?	N
Is well located in SOPA but not in R-111-P? If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?	N
Is well located in R-111-P and SOPA? 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?	N
Is well located in high Cave/Karst? If yes, are there two strings cemented to surface? (For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	N
Is well located in critical Cave/Karst? If yes, are there three strings cemented to surface?	N

## ConocoPhillips Company - TATER SALAD FED COM 902H

## 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.	220	12.8	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>
Inter. Stage 1	750	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	640	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

If losses are encountered in the intermediate section a DV/ECP tool will be run ~50' above the Lamar Lime top, cement will be adjusted accordingly if this contingency is necessary.

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

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

Casing String	TOC	% Excess
Surface	0'	50%
1 <sup>st</sup> Intermediate	0'	50%
Production	9,800'	20% OH in Lateral (KOP to EOL)

## 3b. Contingency Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H <sub>2</sub> O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	270	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. #1	300	12.8	1.75	9.21	12	Lead: Class C + 4% Gel + 1% CaCl <sub>2</sub>
	390	14.8	1.35	6.6	8	Tail: Class C + 2% CaCl <sub>2</sub>
Inter. #2 (Liner)	300	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	510	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	830	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

Contingency program will be run if large water flows are encountered.

Casing String	TOC	% Excess
Surface	0'	50%
1 <sup>st</sup> Intermediate	0'	50%
2 <sup>nd</sup> Intermediate	2,370'	20%
Production	10,050'	20% OH in Lateral (KOP to EOL)

If conditions dictate, an offline bradenhead cement job will be performed to ensure cement to surface. A CBL will be ran Offline to verify TOC after 2nd Stage Bradenhead.

**ConocoPhillips Company - TATER SALAD FED COM 902H**

**4. Pressure Control Equipment**

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
Y	A variance is requested for the use of BOPE break testing on intermediate skirts (in accordance with the 30 day full BOPE test requirements).

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
12-1/4" or 9-7/8"	13-5/8"	5M	Annular	x	2500psi
			Blind Ram	x	
			Pipe Ram	x	5000psi
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	10M	5M Annular	x	5000psi
			Blind Ram	x	
			Pipe Ram	x	10000psi
			Double Ram	x	
			Other*		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 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. See attached schematics.

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 43 CFR Part 3170 Subpart 3172.
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 43 CFR Part 3170 Subpart 3172 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.

**ConocoPhillips Company - TATER SALAD FED COM 902H**

**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	7-5/8" Int shoe	Brine Diesel Emulsion	8.4 - 10	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 13.5	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
---	-----------------------------

**5b. Contingency 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	Brine	8.4 - 10	28-34	N/C
9-5/8" Int shoe	7-5/8" Int shoe	Brine	8.4 - 10	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 13.5	35-45	<20

**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.
Y	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	

**ConocoPhillips Company - TATER SALAD FED COM 902H**

**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7565 psi at 10775' TVD
Abnormal Temperature	NO 165 Deg. F.

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

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

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of 43 CFR Part 3170 Subpart 3176. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H2S is present
Y	H2S Plan attached

**8. Other Facets of Operation**

Y	Is it a walking operation?
Y	Is casing pre-set?
Y	Is it a batch drilling operation?

x	H2S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	TATER SALAD FED COM 902H
LOCATION:	Section 24, T.26 S., R.28 E., NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input type="radio"/> Low	<input checked="" type="radio"/> Medium	<input type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Wellhead Variance	<input type="radio"/> Diverter		
Other	<input type="checkbox"/> 4 String	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Pilot Hole	<input type="checkbox"/> Open Annulus
Cementing	<input checked="" type="checkbox"/> Contingency Cement Squeeze	<input checked="" type="checkbox"/> EchoMeter	<input type="checkbox"/> Primary Cement Squeeze
Special Requirements	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry		
Special Requirements Variance	<input checked="" type="checkbox"/> Break Testing	<input checked="" type="checkbox"/> Offline Cementing	<input checked="" type="checkbox"/> Casing Clearance

### A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

### B. CASING

#### Primary Casing Design:

1. The **10-3/4** inch surface casing shall be set at approximately **450 feet** (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) 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. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
- Cement to surface. If cement does not circulate see B.1.a, c-d above.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**
  - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

#### **Contingency Squeeze:**

**Operator has proposed to pump down 10-3/4" X 7-5/8" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator can also check TOC with Echo-meter. CBL must be run from TD of the 7-5/8" casing to surface if confidence is lacking on the quality of the bradenhead squeeze cement job. Submit results to BLM.**

**Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad.**

**If cement does not reach surface, the next casing string must come to surface.**

**Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.**

3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
  - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
  - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

**Contingency Casing Design:**

4. The **13-3/8** inch surface casing shall be set at approximately **450 feet** (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
  - e. 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.
  - f. 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)
  - g. 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.
  - h. If cement falls back, remedial cementing will be done prior to drilling out that string.
5. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**
  - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
6. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the **7-5/8** inch intermediate liner is:
  - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

**Contingency Squeeze:**

**Operator has proposed to pump down 9-5/8" X 7-5/8" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator**

**can also check TOC with Echo-meter. CBL must be run from TD of the 7-5/8" casing to surface if confidence is lacking on the quality of the bradenhead squeeze cement job. Submit results to BLM.**

**Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must run one CBL per Well Pad.**

**If cement does not reach surface, the next casing string must come to surface.**

**Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.**

7. The minimum required fill of cement behind the 5-1/2 inch production casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
- **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

### **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 10-3/4 inch 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 3500 (70% Working Pressure) 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.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in Onshore Order 1 and 2.
- 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.

### (Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system)

#### BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

#### Casing Clearance:

- The W441 connection should tie back 500'+ into the W513 intermediate casing for clearance overlap.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are adequate “coffee ground or less” before cementing.

**Offline Cementing:**

Contact the BLM prior to the commencement of any offline cementing procedure.

## 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

EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,  
[BLM\\_NM\\_CFO\\_DrillingNotifications@BLM.GOV](mailto:BLM_NM_CFO_DrillingNotifications@BLM.GOV)  
 (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
    - i. Notify the BLM when moving in and removing the Spudder Rig.
    - ii. 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.
    - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2<sup>nd</sup> 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. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

#### 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 of both lead and tail cement, 2) until cement has been in place at least 8 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-Q 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 **43 CFR 3172**.
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:
  - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - ii. 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.
  - iii. Manufacturer representative shall install the test plug for the initial BOP test.

- iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
  - v. 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.
- i. 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 cement), 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).
  - ii. 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 cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
  - iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** 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 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
  - iv. 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.

- v. The results of the test shall be reported to the appropriate BLM office.
- vi. 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.
- vii. 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.
- viii. 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 **43 CFR 3172**.

#### **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.

JS 2/11/2026

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 557049

**CONDITIONS**

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 557049
	Action Type: [C-103A] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing.	4/20/2026
ward.rikala	Post Bradenhead cement squeeze, a CBL will be required. If zonal isolation was not achieved per OCD requirements, then remedial work is required before operations can continue.	4/20/2026
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	4/20/2026