

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 <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		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/903H
2. Name of Operator COG OPERATING LLC		9. API Well No. 3001557154
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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recompleate 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 perfonned 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 detennined 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 @ 9,990' 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.

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	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 / 185 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034858 / LONG: -104.035911 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 330 FSL / 1310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036272 / LONG: -104.036427 (TVD: 10460 feet, MD: 10674 feet)

PPP: NESE / 2639 FSL / 1310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.042635 / LONG: -104.036415 (TVD: 10486 feet, MD: 12699 feet)

BHL: NENE / 200 FNL / 1310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063819 / LONG: -104.036375 (TVD: 10570 feet, MD: 20797 feet)

CONFIDENTIAL

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)

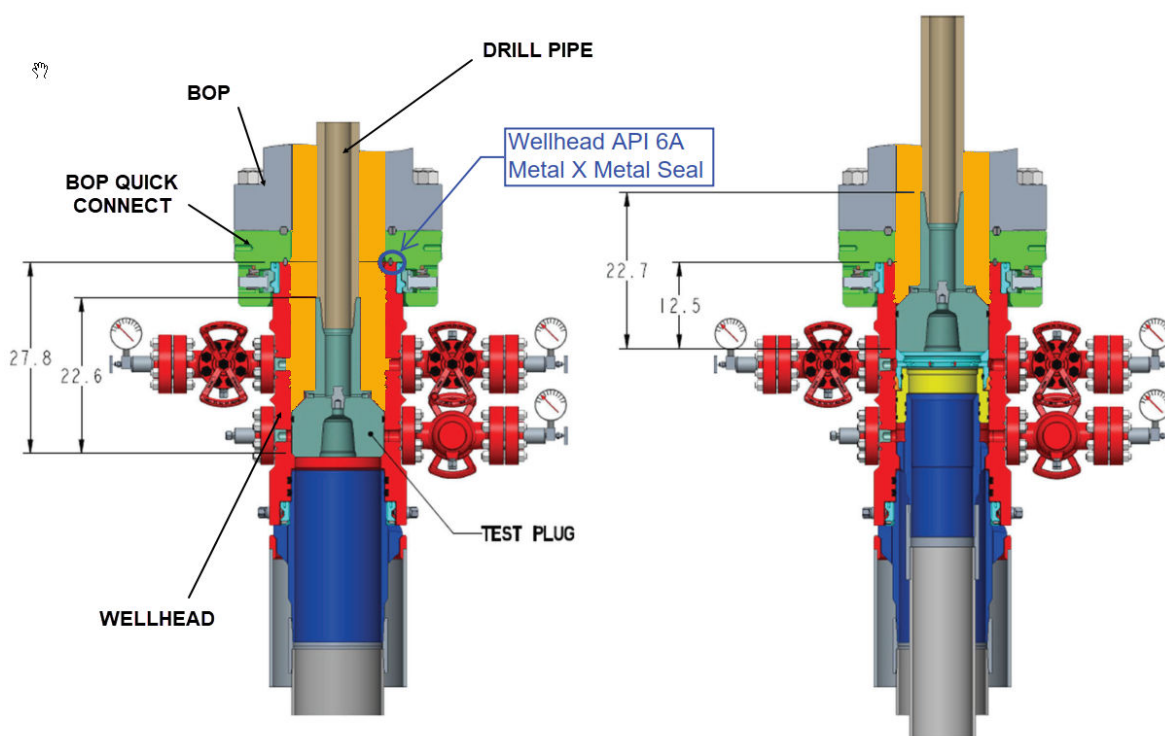


Figure 1: Test plug installed (The orange sections above indicate the areas exposed to the pressure test)

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

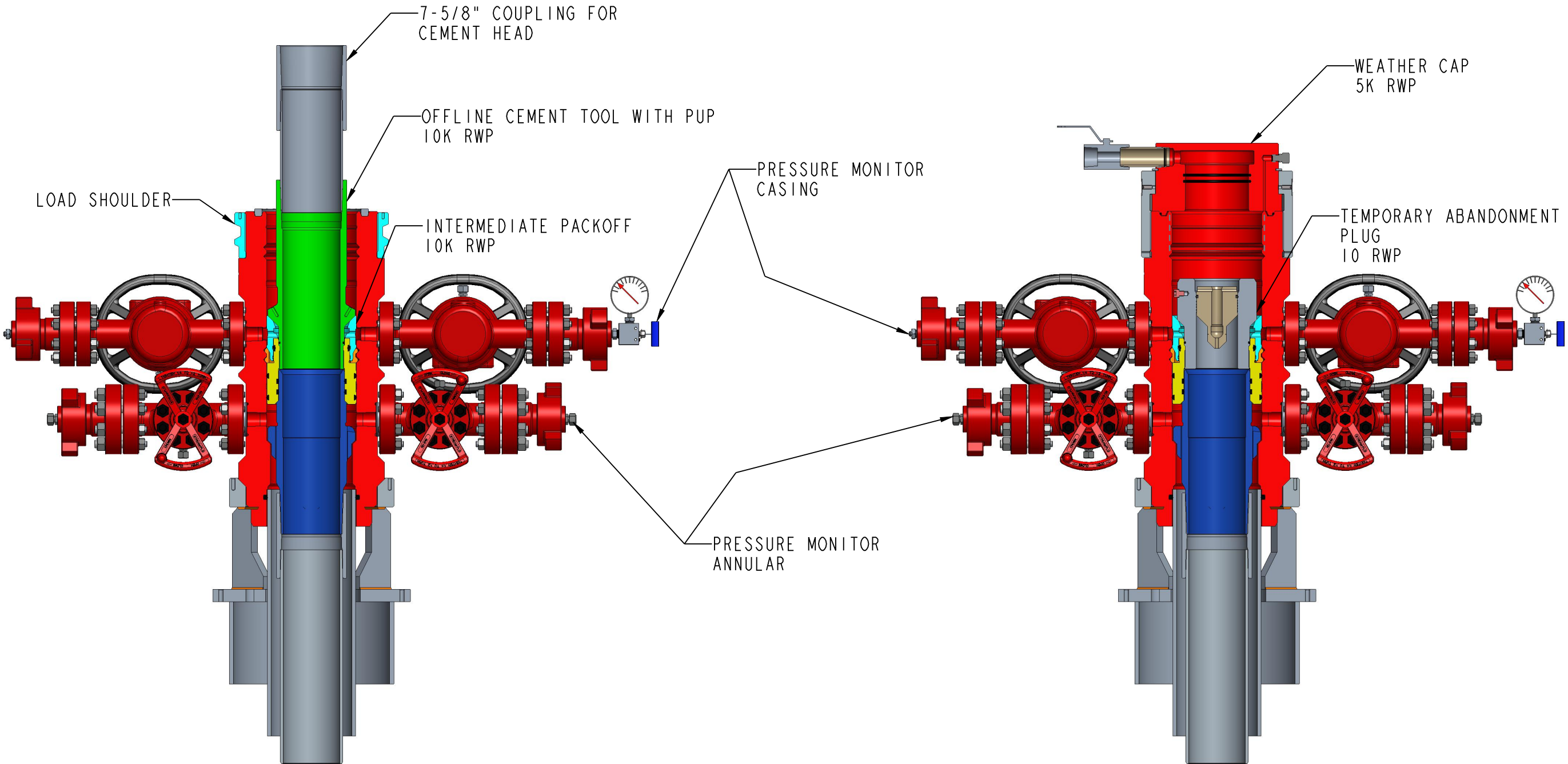
1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through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

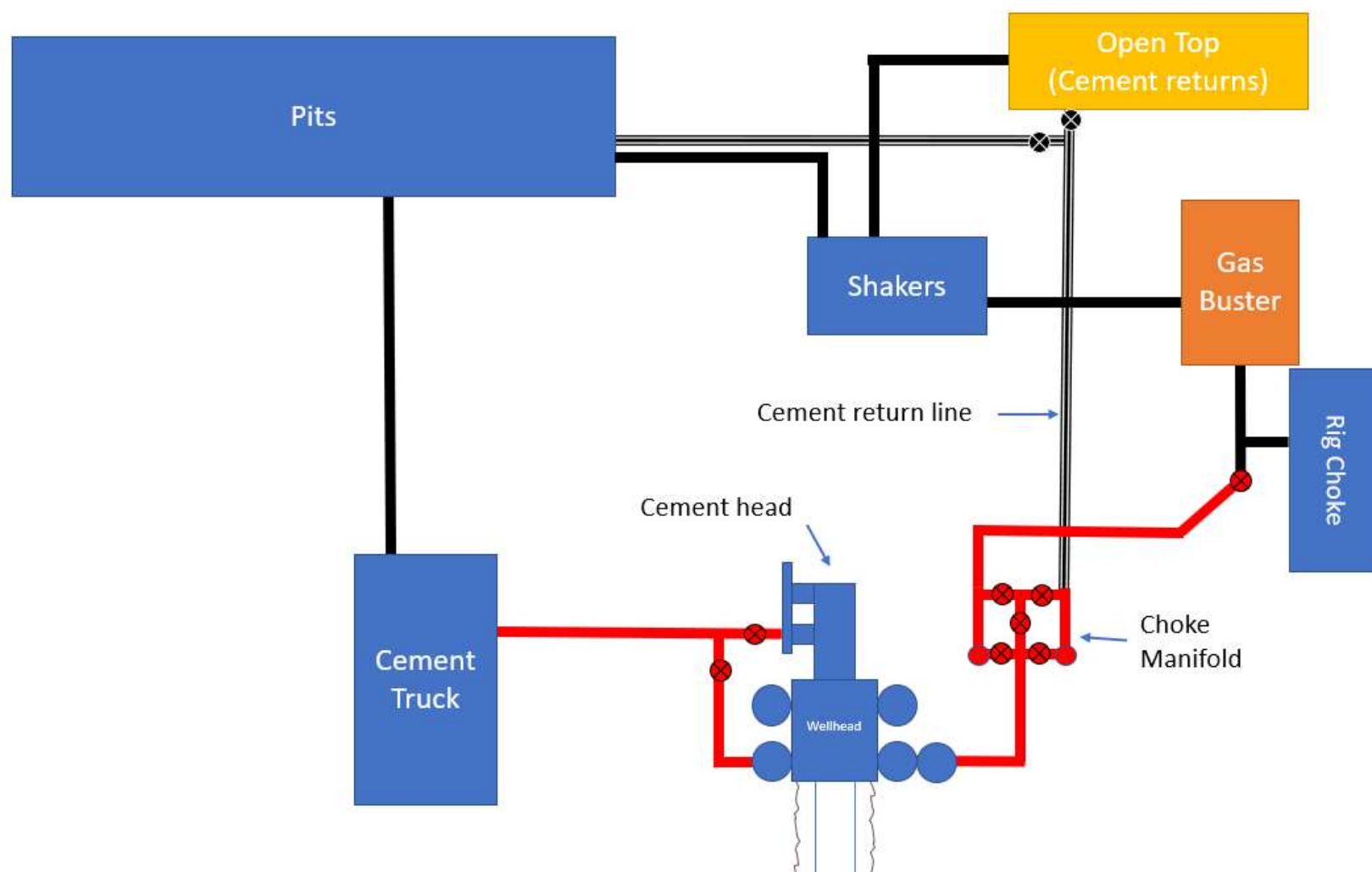
1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
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

Figure 1: Offline Cement Tool Schematics



CONOCOPHILLIPS COMPANY 7-5/8" OFFLINE CEMENT AND ABANDAMENT PLUG LAYOUT DMLX WELLHEAD ASSEMBLY		DWN.	CWB	03-09-23	 Worldwide Expertise - Global Strength	DRAWING No. WH - 24621
		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

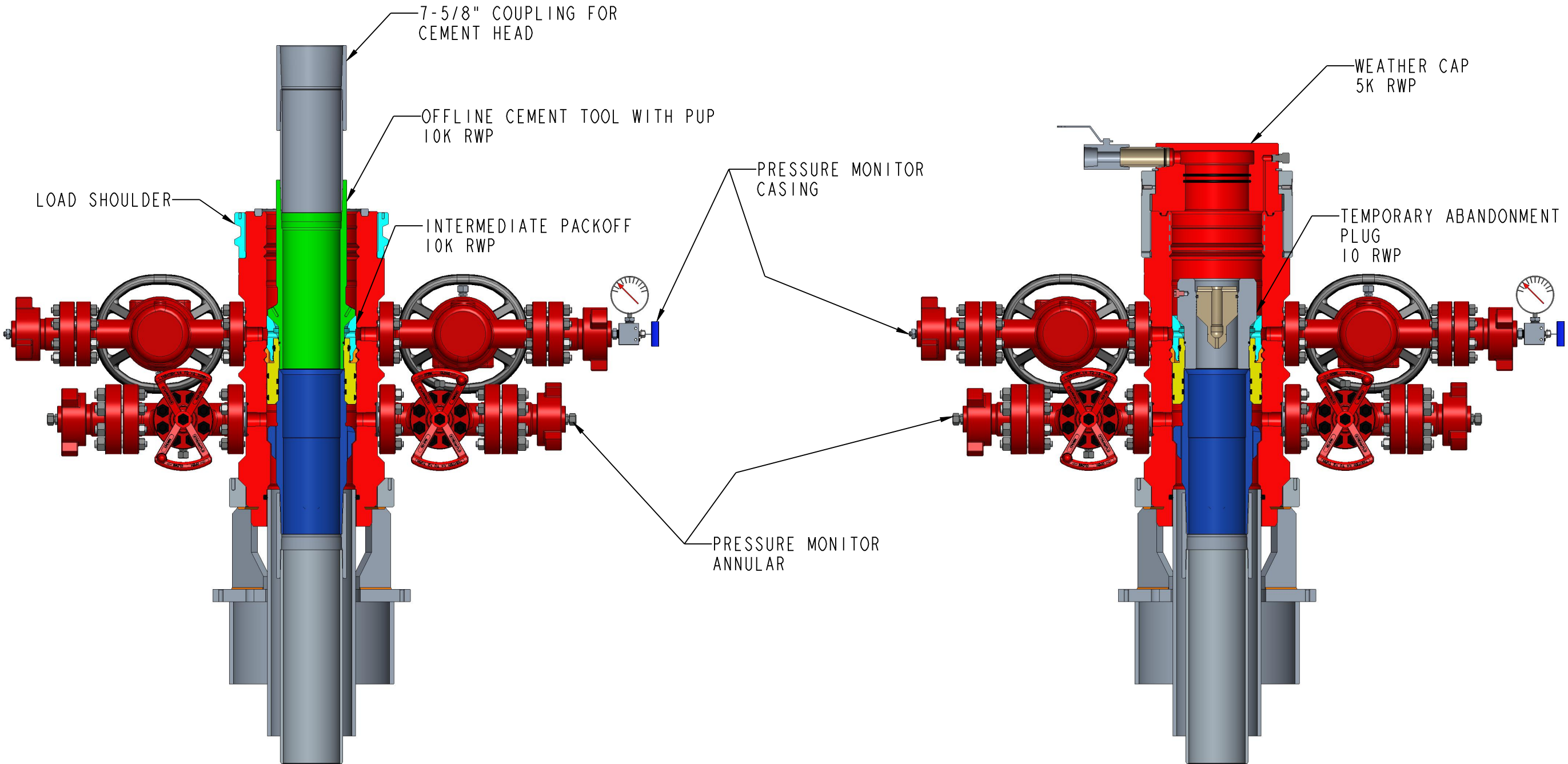
1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through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

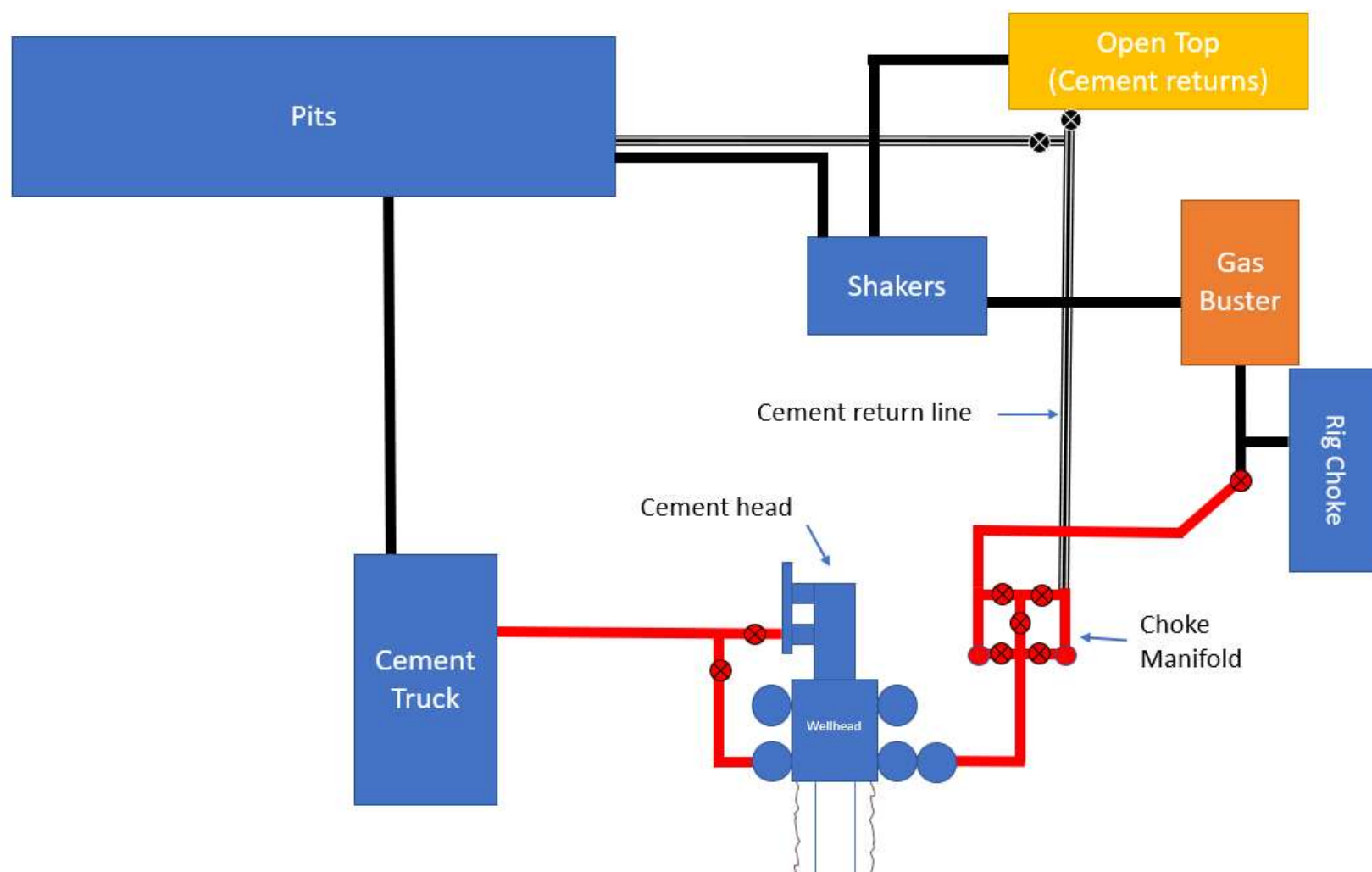
1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
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

Figure 1: Offline Cement Tool Schematics



CONOCOPHILLIPS COMPANY 7-5/8" OFFLINE CEMENT AND ABANDAMENT PLUG LAYOUT DMLX WELLHEAD ASSEMBLY		DWN.	CWB	03-09-23	 Worldwide Expertise - Global Strength	DRAWING No. WH - 24621
		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 903H

300154775000

OWB

PWP2

Anticollision Report

31 January, 2026

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Reference	PWP2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.00usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program	Date	1/31/2026		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	2,000.00	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.
2,000.00	9,992.46	PWP2 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
9,992.46	20,685.65	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.

Summary						
	Reference	Offset	Distance		Separation Factor	Warning
Site Name	Measured	Measured	Between	Between		
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses		
(usft)						
TATER SALAD & MOMBA FEDERAL						
GOLDEN GRAHAM 1 STATE COM 764H - OWB - AWP	20,686.55	10,409.68	945.48	824.00	7.783 CC, ES, SF	
MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP	0.00	0.00	501.39			
MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP	6,600.00	6,565.00	796.72	761.59	22.677 SF	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	3,999.77	3,982.98	856.96	836.86	42.640 CC	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	4,012.81	3,995.61	856.97	836.84	42.573 ES	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	7,900.00	7,874.01	884.36	854.51	29.628 SF	
MOMBA FEDERAL COM 701H - OWB - AWP	3,898.51	3,887.55	353.05	339.03	25.166 CC	
MOMBA FEDERAL COM 701H - OWB - AWP	3,900.00	3,888.96	353.05	339.02	25.163 ES	
MOMBA FEDERAL COM 701H - OWB - AWP	5,300.00	5,290.45	379.48	363.97	24.459 SF	
MOMBA FEDERAL COM 702H - OWB - AWP	9,654.66	9,836.27	96.05	71.29	3.878 CC, ES, SF	
MOMBA FEDERAL COM 703H - OWB - AWP	3,951.80	3,925.66	460.41	444.06	28.153 CC, ES	
MOMBA FEDERAL COM 703H - OWB - AWP	9,600.00	9,607.32	592.80	567.55	23.474 SF	
MOMBA FEDERAL COM 901H - OWB - PWP1	10,842.31	10,391.81	508.25	480.50	18.317 CC, ES	
MOMBA FEDERAL COM 901H - OWB - PWP1	10,900.00	10,384.96	511.45	483.47	18.285 SF	
MOMBA FEDERAL COM 902H - OWB - PWP2	10,980.37	10,460.57	77.00	50.76	2.935 Normal Operations, CC, ES, SF	
MOMBA FEDERAL COM 903H - OWB - PWP2	5,500.00	5,474.09	635.69	616.16	32.548 CC, ES	
MOMBA FEDERAL COM 903H - OWB - PWP2	10,930.82	10,382.06	649.72	623.36	24.645 SF	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	1,966.36	1,967.26	200.00	188.67	17.642 CC	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	2,000.00	2,000.00	200.01	188.57	17.484 ES	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	2,100.00	2,094.33	203.05	191.21	17.142 SF	
TATER SALAD FEDERAL COM 702H - OWB - PWP2	2,000.00	2,000.90	200.98	189.54	17.567 CC, ES	
TATER SALAD FEDERAL COM 702H - OWB - PWP2	20,685.65	20,051.31	776.93	658.26	6.547 SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP2	4,100.00	4,127.70	75.49	56.84	4.048 SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP2	4,190.37	4,216.26	73.31	55.34	4.079 CC, ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP2	2,366.54	2,398.00	138.61	125.59	10.648 CC, ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP2	2,400.08	2,430.57	139.03	125.92	10.610 SF	
TATER SALAD FEDERAL COM 901H - OWB - PWP2	2,000.00	2,000.00	80.00	68.56	6.994 CC, ES	
TATER SALAD FEDERAL COM 901H - OWB - PWP2	20,686.55	20,932.18	982.62	800.75	5.403 SF	
TATER SALAD FEDERAL COM 902H - OWB - PWP2	2,000.00	1,999.90	60.00	48.56	5.245 CC, ES	
TATER SALAD FEDERAL COM 902H - OWB - PWP2	20,686.55	21,135.87	549.73	383.05	3.298 SF	
TATER SALAD FEDERAL COM 904H - OWB - PWP2	2,000.00	1,999.90	20.00	8.56	1.748 Caution - Monitor Closely, CC, ES, SF	
TATER SALAD FEDERAL COM 905H - OWB - PWP2	2,000.00	1,999.90	40.00	28.56	3.497 CC, ES	
TATER SALAD FEDERAL COM 905H - OWB - PWP2	2,100.00	2,099.90	41.01	29.26	3.491 SF	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design:	TATER SALAD & MOMBA FEDERAL - GOLDEN GRAHAM 1 STATE COM 764H - OWB - AWP												Offset Site Error:	0.00 usft
Survey Program:	182-r.5 MWD												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Distance			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
20,600.00	10,540.39	10,382.26	10,278.27	90.05	32.90	72.46	10,881.55	667.76	980.89	865.01	115.88	8.465		
20,685.65	10,541.10	10,409.37	10,300.71	90.78	32.86	73.85	10,896.76	667.29	945.82	825.43	120.40	7.856		
20,686.55	10,541.11	10,409.68	10,300.96	90.78	32.86	73.86	10,896.94	667.29	945.48	824.00	121.48	7.783 CC, ES, SF		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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	Reference	Offset	Highside	Offset Wellbore Centre			Distance			Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Factor	
0.00	0.00	0.00	13.10	0.00	3.00	160.96	-473.80	163.50	501.39				
100.00	100.00	82.01	95.10	0.77	3.02	161.00	-474.28	163.34	501.64	496.82	4.82	104.010	
200.00	200.00	181.45	194.54	1.44	3.10	161.10	-475.65	162.80	502.77	497.54	5.23	96.065	
300.00	300.00	279.84	292.91	1.88	3.22	161.22	-477.09	162.25	503.97	498.32	5.65	89.136	
400.00	400.00	376.26	389.32	2.25	3.36	161.29	-478.86	162.22	505.70	499.62	6.08	83.165	
500.00	500.00	470.15	483.18	2.56	3.52	161.26	-481.16	163.20	508.36	501.84	6.52	77.984	
600.00	600.00	567.28	580.23	2.84	3.71	161.16	-484.29	165.20	512.07	505.10	6.97	73.436	
700.00	700.00	669.22	682.09	3.10	3.93	161.04	-487.55	167.52	515.83	508.38	7.46	69.191	
800.00	800.00	768.23	781.04	3.34	4.17	160.89	-490.31	169.93	519.27	511.34	7.93	65.455	
900.00	900.00	866.26	878.99	3.57	4.44	160.77	-493.56	172.13	523.13	514.71	8.42	62.130	
1,000.00	1,000.00	967.70	980.35	3.79	4.73	160.71	-497.16	174.02	527.10	518.17	8.93	59.041	
1,100.00	1,100.00	1,070.36	1,082.94	3.99	5.04	160.66	-500.35	175.65	530.56	521.12	9.44	56.193	
1,200.00	1,200.00	1,171.18	1,183.72	4.19	5.34	160.61	-503.14	177.10	533.65	523.70	9.95	53.636	
1,300.00	1,300.00	1,274.44	1,286.94	4.38	5.66	160.57	-505.77	178.42	536.48	526.01	10.46	51.272	
1,400.00	1,400.00	1,375.70	1,388.17	4.56	5.98	160.55	-507.84	179.36	538.72	527.75	10.97	49.129	
1,500.00	1,500.00	1,478.87	1,491.32	4.74	6.29	160.50	-509.61	180.46	540.69	529.23	11.46	47.189	
1,600.00	1,600.00	1,580.55	1,592.98	4.91	6.58	160.42	-510.69	181.68	542.09	530.16	11.93	45.450	
1,700.00	1,700.00	1,680.56	1,692.98	5.08	6.88	160.37	-511.73	182.57	543.36	530.97	12.39	43.846	
1,800.00	1,800.00	1,780.25	1,792.67	5.24	7.18	160.34	-512.88	183.24	544.68	531.82	12.86	42.341	
1,900.00	1,900.00	1,879.63	1,892.03	5.40	7.48	160.35	-514.23	183.59	546.08	532.74	13.34	40.935	
2,000.00	2,000.00	1,977.47	1,989.85	5.56	7.79	160.30	-515.56	184.60	547.71	533.90	13.81	39.652	
2,100.00	2,099.98	2,074.19	2,086.52	5.79	8.07	-145.42	-516.65	187.66	551.27	536.99	14.28	38.592	
2,200.00	2,199.84	2,170.14	2,182.37	6.01	8.35	-146.01	-517.90	191.94	558.38	543.63	14.75	37.849	
2,300.00	2,299.45	2,265.02	2,277.12	6.26	8.66	-146.72	-519.69	196.53	569.14	553.89	15.25	37.324	
2,400.08	2,398.78	2,359.34	2,371.22	6.52	8.97	-147.67	-521.67	202.50	583.73	567.96	15.77	37.011	
2,500.00	2,497.73	2,459.22	2,470.83	6.73	9.30	-148.96	-523.77	209.75	600.38	584.09	16.29	36.852	
2,600.00	2,596.75	2,563.21	2,574.59	6.95	9.64	-150.17	-525.30	216.43	616.40	599.56	16.83	36.617	
2,700.00	2,695.78	2,668.70	2,679.93	7.20	9.98	-151.23	-526.40	221.67	631.65	614.27	17.38	36.343	
2,800.00	2,794.81	2,769.82	2,780.99	7.46	10.30	-152.11	-527.03	225.38	646.11	628.19	17.91	36.070	
2,900.00	2,893.83	2,871.51	2,882.62	7.74	10.61	-152.94	-527.54	228.78	660.46	642.00	18.45	35.795	
3,000.00	2,992.86	2,971.96	2,983.03	8.03	10.91	-153.69	-527.77	231.59	674.43	655.44	18.99	35.523	
3,100.00	3,091.89	3,072.04	3,083.08	8.34	11.20	-154.39	-527.93	234.15	688.34	668.82	19.53	35.253	
3,200.00	3,190.91	3,173.38	3,184.39	8.65	11.49	-155.05	-527.99	236.35	702.07	682.00	20.07	34.985	
3,212.64	3,203.43	3,186.24	3,197.25	8.68	11.53	-155.13	-527.98	236.61	703.78	683.65	20.13	34.963	
3,300.00	3,290.03	3,273.56	3,284.56	8.98	11.77	-155.68	-527.85	238.21	714.95	694.34	20.61	34.697	
3,400.00	3,389.36	3,372.17	3,383.15	9.30	12.05	-156.21	-527.83	239.77	726.28	705.15	21.14	34.360	
3,500.00	3,488.88	3,472.49	3,483.46	9.62	12.34	-156.66	-527.90	241.27	736.11	714.43	21.68	33.952	
3,600.00	3,588.55	3,573.95	3,584.92	9.94	12.63	-157.00	-527.99	242.31	744.14	721.92	22.22	33.485	
3,700.00	3,688.35	3,673.36	3,684.32	10.24	12.91	-157.25	-528.14	242.96	750.45	727.69	22.76	32.975	
3,800.00	3,788.24	3,772.51	3,783.47	10.53	13.20	-157.43	-528.43	243.61	755.27	731.97	23.30	32.416	
3,900.00	3,888.20	3,873.55	3,884.51	10.80	13.50	-157.55	-528.80	244.14	758.48	734.65	23.83	31.825	
4,000.00	3,988.19	3,974.08	3,985.04	11.02	13.79	-157.60	-529.06	244.54	759.93	735.61	24.32	31.248	
4,012.81	4,001.00	3,986.91	3,997.87	11.02	13.83	147.80	-529.09	244.58	759.99	735.63	24.37	31.191	
4,100.00	4,088.19	4,072.46	4,083.42	11.10	14.07	147.80	-529.46	244.80	760.43	735.73	24.70	30.782	
4,200.00	4,188.19	4,171.72	4,182.68	11.17	14.33	147.82	-530.20	244.94	761.14	736.05	25.08	30.343	
4,300.00	4,288.19	4,271.24	4,282.19	11.25	14.59	147.85	-531.05	244.99	761.89	736.42	25.47	29.915	
4,400.00	4,388.19	4,370.94	4,381.89	11.32	14.85	147.88	-531.96	245.07	762.70	736.85	25.85	29.502	
4,500.00	4,488.19	4,470.79	4,481.73	11.39	15.10	147.93	-532.98	245.01	763.53	737.30	26.23	29.104	
4,600.00	4,588.19	4,570.73	4,581.67	11.47	15.37	147.96	-533.91	245.12	764.39	737.76	26.63	28.705	
4,700.00	4,688.19	4,669.23	4,680.16	11.54	15.67	147.97	-534.76	245.48	765.31	738.28	27.03	28.310	
4,800.00	4,788.19	4,767.57	4,778.49	11.61	15.97	147.96	-535.70	246.15	766.48	739.02	27.45	27.921	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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)			
4,900.00	4,888.19	4,864.21	4,875.12	11.69	16.28	147.98	-536.99	246.72	767.92	740.05	27.87	27.550	
5,000.00	4,988.19	4,963.10	4,974.00	11.76	16.60	148.00	-538.72	247.40	769.77	741.46	28.31	27.188	
5,100.00	5,088.19	5,064.62	5,075.50	11.84	16.92	148.04	-540.52	247.90	771.53	742.77	28.76	26.828	
5,200.00	5,188.19	5,166.01	5,176.88	11.91	17.23	148.10	-542.21	248.13	773.07	743.88	29.19	26.481	
5,300.00	5,288.19	5,265.27	5,276.12	11.98	17.53	148.13	-543.73	248.46	774.54	744.92	29.62	26.146	
5,400.00	5,388.19	5,363.85	5,374.69	12.06	17.84	148.17	-545.34	248.96	776.20	746.14	30.06	25.821	
5,500.00	5,488.19	5,463.27	5,474.09	12.13	18.16	148.21	-547.15	249.41	777.99	747.49	30.50	25.504	
5,600.00	5,588.19	5,561.71	5,572.51	12.21	18.48	148.25	-549.03	249.90	779.87	748.92	30.95	25.201	
5,700.00	5,688.19	5,661.92	5,672.70	12.28	18.80	148.32	-551.26	250.21	781.93	750.54	31.39	24.908	
5,800.00	5,788.19	5,762.23	5,772.99	12.36	19.11	148.39	-553.44	250.36	783.85	752.02	31.83	24.623	
5,900.00	5,888.19	5,862.25	5,872.98	12.43	19.42	148.46	-555.61	250.56	785.81	753.53	32.28	24.346	
6,000.00	5,988.19	5,963.49	5,974.20	12.51	19.74	148.52	-557.63	250.89	787.68	754.95	32.73	24.067	
6,100.00	6,088.19	6,062.82	6,073.51	12.58	20.06	148.57	-559.53	251.13	789.45	756.28	33.17	23.800	
6,200.00	6,188.19	6,161.18	6,171.85	12.66	20.37	148.64	-561.66	251.37	791.42	757.80	33.61	23.545	
6,300.00	6,288.19	6,262.52	6,273.16	12.73	20.70	148.70	-563.86	251.75	793.46	759.39	34.07	23.288	
6,400.00	6,388.19	6,362.61	6,373.23	12.81	21.03	148.75	-565.80	252.07	795.28	760.76	34.52	23.035	
6,500.00	6,488.19	6,470.97	6,481.58	12.88	21.32	148.83	-567.81	252.04	796.88	761.93	34.95	22.801	
6,587.40	6,575.59	6,565.00	6,575.59	12.95	21.43	148.93	-568.31	250.76	796.62	761.50	35.13	22.679	
6,600.00	6,588.19	6,565.00	6,575.59	12.96	21.43	148.93	-568.31	250.76	796.72	761.59	35.13	22.677 SF	
6,700.00	6,688.19	6,610.34	6,620.81	13.03	21.45	149.10	-571.01	249.57	801.16	766.01	35.15	22.793	
6,800.00	6,788.19	6,648.17	6,658.06	13.11	21.46	149.43	-577.32	248.03	813.43	778.41	35.02	23.229	
6,900.00	6,888.19	6,689.00	6,697.35	13.18	21.48	149.98	-588.02	245.20	832.93	798.14	34.79	23.944	
7,000.00	6,988.19	6,720.00	6,726.32	13.26	21.49	150.53	-598.63	242.30	859.40	825.00	34.40	24.981	
7,100.00	7,088.19	6,751.00	6,754.48	13.33	21.51	151.15	-611.20	239.12	892.69	858.74	33.95	26.298	
7,200.00	7,188.19	6,783.00	6,782.58	13.41	21.53	151.83	-626.15	236.01	932.46	899.00	33.46	27.864	
7,300.00	7,288.19	6,814.00	6,808.83	13.49	21.55	152.48	-642.47	233.65	978.43	945.45	32.97	29.673	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM 3H - OWB - AWP												Offset Site Error: 0.00 usft
Survey Program: 100-r.5 SDI_KPR_ADK, 7080-r.5 MWD												Offset Well Error: 3.00 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	No-Go	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor
2,600.00	2,596.75	2,615.77	2,619.23	6.95	7.20	-29.22	144.73	-1,030.42	991.66	977.56	14.09	70.360
2,700.00	2,695.78	2,708.86	2,712.31	7.20	7.31	-29.61	144.18	-1,028.66	977.56	963.13	14.44	67.710
2,800.00	2,794.81	2,807.99	2,811.42	7.46	7.44	-30.06	143.35	-1,027.04	963.77	948.95	14.82	65.051
2,900.00	2,893.83	2,908.07	2,911.49	7.74	7.59	-30.50	142.85	-1,025.27	949.92	934.70	15.22	62.422
3,000.00	2,992.86	3,003.99	3,007.39	8.03	7.76	-30.92	142.81	-1,023.64	936.23	920.59	15.63	59.881
3,100.00	3,091.89	3,101.06	3,104.45	8.34	7.95	-31.34	142.80	-1,022.22	922.83	906.76	16.07	57.417
3,200.00	3,190.91	3,200.00	3,203.38	8.65	8.15	-31.79	142.82	-1,020.86	909.58	893.05	16.53	55.029
3,212.64	3,203.43	3,212.27	3,215.65	8.68	8.17	-31.85	142.83	-1,020.69	907.91	891.33	16.58	54.763
3,300.00	3,290.03	3,296.60	3,299.98	8.98	8.35	-32.16	142.84	-1,019.65	897.06	880.06	17.00	52.764
3,400.00	3,389.36	3,392.67	3,396.04	9.30	8.55	-32.49	142.75	-1,018.76	886.36	868.89	17.47	50.735
3,500.00	3,488.88	3,493.81	3,497.18	9.62	8.77	-32.80	142.54	-1,017.93	877.26	859.31	17.95	48.873
3,600.00	3,588.55	3,589.66	3,593.02	9.94	8.97	-33.06	142.22	-1,017.22	869.73	851.32	18.42	47.223
3,700.00	3,688.35	3,685.35	3,688.71	10.24	9.15	-33.27	141.88	-1,016.97	864.15	845.29	18.86	45.811
3,800.00	3,788.24	3,785.33	3,788.69	10.53	9.33	-33.43	141.62	-1,016.97	860.31	841.02	19.30	44.585
3,900.00	3,888.20	3,885.81	3,889.17	10.80	9.53	-33.53	141.49	-1,016.89	857.86	838.13	19.72	43.492
3,999.77	3,987.96	3,982.98	3,986.34	11.01	9.72	-33.56	141.48	-1,016.90	856.96	836.86	20.10	42.640 CC
4,000.00	3,988.19	3,983.20	3,986.56	11.02	9.72	-33.56	141.48	-1,016.90	856.96	836.86	20.10	42.638
4,012.81	4,001.00	3,995.61	3,998.97	11.02	9.74	-88.16	141.47	-1,016.93	856.97	836.84	20.13	42.573 ES
4,100.00	4,088.19	4,079.17	4,082.53	11.10	9.88	-88.17	141.45	-1,017.30	857.36	837.01	20.35	42.136
4,200.00	4,188.19	4,177.72	4,181.07	11.17	10.04	-88.17	141.35	-1,018.08	858.14	837.56	20.59	41.685
4,300.00	4,288.19	4,277.96	4,281.31	11.25	10.20	-88.20	141.00	-1,018.92	858.97	838.14	20.83	41.231
4,400.00	4,388.19	4,378.10	4,381.45	11.32	10.38	-88.24	140.47	-1,019.72	859.76	838.67	21.09	40.771
4,500.00	4,488.19	4,478.53	4,481.87	11.39	10.56	-88.29	139.65	-1,020.52	860.52	839.17	21.35	40.309
4,600.00	4,588.19	4,576.58	4,579.92	11.47	10.75	-88.34	139.01	-1,021.33	861.34	839.73	21.61	39.860
4,700.00	4,688.19	4,675.78	4,679.11	11.54	10.95	-88.37	138.47	-1,022.37	862.37	840.49	21.88	39.420
4,800.00	4,788.19	4,775.26	4,778.58	11.61	11.15	-88.43	137.66	-1,023.47	863.45	841.30	22.15	38.985
4,900.00	4,888.19	4,876.34	4,879.65	11.69	11.35	-88.50	136.61	-1,024.59	864.52	842.10	22.43	38.549
5,000.00	4,988.19	4,976.44	4,979.73	11.76	11.55	-88.58	135.39	-1,025.58	865.48	842.78	22.71	38.115
5,100.00	5,088.19	5,076.04	5,079.32	11.84	11.76	-88.67	134.09	-1,026.61	866.49	843.50	22.99	37.691
5,200.00	5,188.19	5,177.51	5,180.78	11.91	11.98	-88.77	132.62	-1,027.62	867.45	844.17	23.28	37.267
5,300.00	5,288.19	5,278.56	5,281.81	11.98	12.21	-88.89	130.86	-1,028.44	868.23	844.67	23.56	36.847
5,400.00	5,388.19	5,378.01	5,381.24	12.06	12.44	-89.00	129.11	-1,029.22	868.98	845.13	23.85	36.438
5,500.00	5,488.19	5,478.06	5,481.27	12.13	12.68	-89.12	127.31	-1,030.06	869.79	845.66	24.14	36.036
5,600.00	5,588.19	5,575.26	5,578.44	12.21	12.92	-89.26	125.21	-1,030.98	870.71	846.29	24.42	35.654
5,700.00	5,688.19	5,673.65	5,676.80	12.28	13.17	-89.40	123.12	-1,032.23	871.95	847.24	24.71	35.284
5,800.00	5,788.19	5,773.01	5,776.13	12.36	13.43	-89.54	121.01	-1,033.59	873.30	848.29	25.01	34.919
5,900.00	5,888.19	5,874.37	5,877.46	12.43	13.70	-89.68	118.89	-1,034.96	874.63	849.32	25.31	34.554
6,000.00	5,988.19	5,975.69	5,978.75	12.51	13.97	-89.84	116.48	-1,036.12	875.78	850.16	25.61	34.192
6,100.00	6,088.19	6,075.46	6,078.48	12.58	14.24	-90.00	113.94	-1,037.20	876.85	850.94	25.91	33.839
6,200.00	6,188.19	6,178.40	6,181.38	12.66	14.52	-90.17	111.35	-1,038.21	877.84	851.63	26.22	33.485
6,300.00	6,288.19	6,281.73	6,284.68	12.73	14.81	-90.32	109.12	-1,038.80	878.42	851.90	26.52	33.125
6,400.00	6,388.19	6,387.47	6,390.40	12.81	15.10	-90.47	106.80	-1,038.89	878.52	851.71	26.81	32.762
6,500.00	6,488.19	6,493.48	6,496.36	12.88	15.38	-90.66	103.82	-1,038.23	877.93	850.83	27.10	32.395
6,600.00	6,588.19	6,589.04	6,591.87	12.96	15.64	-90.86	100.77	-1,037.51	877.22	849.85	27.37	32.050
6,674.01	6,662.20	6,659.40	6,662.20	13.01	15.84	-90.98	98.94	-1,037.34	877.06	849.49	27.58	31.806
6,700.00	6,688.19	6,684.11	6,686.90	13.03	15.91	-91.03	98.31	-1,037.34	877.08	849.44	27.65	31.724
6,800.00	6,788.19	6,783.24	6,786.01	13.11	16.20	-91.18	95.86	-1,037.53	877.32	849.38	27.94	31.403
6,900.00	6,888.19	6,884.84	6,887.59	13.18	16.49	-91.33	93.60	-1,037.66	877.49	849.26	28.23	31.082
7,000.00	6,988.19	6,984.44	6,987.16	13.26	16.79	-91.48	91.32	-1,037.67	877.57	849.05	28.52	30.768
7,100.00	7,088.19	7,081.32	7,084.00	13.33	17.07	-91.65	88.73	-1,037.87	877.85	849.04	28.80	30.476
7,200.00	7,188.19	7,179.73	7,182.38	13.41	17.27	-91.81	86.22	-1,038.36	878.42	849.38	29.04	30.249

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM 3H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-r.5 SDI_KPR_ADK, 7080-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)			
7,300.00	7,288.19	7,276.29	7,278.92	13.49	17.40	-91.93	84.40	-1,039.07	879.21	849.99	29.22	30.086	
7,400.00	7,388.19	7,373.18	7,375.78	13.56	17.44	-92.03	82.87	-1,040.30	880.54	851.20	29.34	30.012	
7,500.00	7,488.19	7,473.30	7,475.89	13.64	17.49	-92.12	81.42	-1,041.63	881.92	852.46	29.46	29.938	
7,600.00	7,588.19	7,572.43	7,574.99	13.71	17.54	-92.23	79.58	-1,042.99	883.36	853.78	29.58	29.865	
7,700.00	7,688.19	7,664.07	7,666.54	13.79	17.59	-92.46	76.00	-1,044.61	885.29	855.61	29.68	29.827	
7,800.00	7,788.19	7,803.00	7,802.87	13.87	17.69	-94.07	51.21	-1,042.26	884.22	854.46	29.75	29.717	
7,835.00	7,823.19	7,826.69	7,825.56	13.89	17.71	-94.51	44.45	-1,041.43	883.77	853.98	29.79	29.668	
7,900.00	7,888.19	7,874.01	7,870.72	13.94	17.75	-95.43	30.39	-1,040.63	884.36	854.51	29.85	29.628 SF	
8,000.00	7,988.19	7,931.00	7,923.83	14.02	17.81	-96.75	9.74	-1,040.75	888.83	858.89	29.94	29.686	
8,100.00	8,088.19	8,019.24	7,999.92	14.09	17.96	-99.57	-34.48	-1,041.08	897.46	867.38	30.08	29.836	
8,200.00	8,188.19	8,081.69	8,045.61	14.17	18.07	-102.26	-76.87	-1,038.54	909.89	879.66	30.23	30.099	
8,300.00	8,288.19	8,123.92	8,072.28	14.25	18.13	-104.32	-109.50	-1,036.23	929.33	898.97	30.35	30.617	
8,400.00	8,388.19	8,176.77	8,101.77	14.32	18.21	-107.03	-153.16	-1,032.40	955.93	925.40	30.53	31.311	
8,500.00	8,488.19	8,206.22	8,116.17	14.40	18.25	-108.61	-178.69	-1,029.52	989.67	959.03	30.63	32.307	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Rule Assigned:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	11.10	0.00	3.00	-34.18	502.80	-341.40	607.85				
100.00	100.00	91.23	102.33	0.77	3.00	-34.24	502.30	-341.83	607.58	602.78	4.80	126.613	
200.00	200.00	191.23	202.31	1.44	3.00	-34.42	501.06	-343.29	607.38	602.26	5.12	118.618	
300.00	300.00	293.71	304.77	1.88	3.01	-34.59	499.51	-344.44	606.77	601.34	5.43	111.815	
400.00	400.00	397.04	408.09	2.25	3.03	-34.71	497.70	-344.69	605.46	599.73	5.72	105.823	
500.00	500.00	496.12	507.14	2.56	3.05	-34.84	495.97	-345.18	604.30	598.30	6.01	100.615	
600.00	600.00	590.69	601.70	2.84	3.07	-35.02	494.45	-346.48	603.77	597.49	6.28	96.169	
619.28	619.28	608.28	619.28	2.89	3.08	-35.05	494.24	-346.73	603.73	597.40	6.33	95.411	
700.00	700.00	686.72	697.70	3.10	3.10	-35.20	493.58	-348.25	604.07	597.54	6.54	92.386	
800.00	800.00	784.03	794.98	3.34	3.13	-35.44	492.61	-350.56	604.64	597.85	6.79	89.030	
900.00	900.00	881.12	892.01	3.57	3.17	-35.76	491.45	-353.91	605.67	598.64	7.04	86.065	
1,000.00	1,000.00	1,004.63	1,015.42	3.79	3.22	-36.16	488.72	-357.21	605.54	598.26	7.28	83.151	
1,100.00	1,100.00	1,102.01	1,112.75	3.99	3.26	-36.35	485.61	-357.40	603.09	595.56	7.52	80.150	
1,200.00	1,200.00	1,202.93	1,213.62	4.19	3.30	-36.58	482.20	-357.84	600.62	592.86	7.76	77.370	
1,285.62	1,285.62	1,275.00	1,285.66	4.35	3.33	-36.67	480.70	-357.96	599.34	591.38	7.96	75.278	
1,300.00	1,300.00	1,288.42	1,299.08	4.38	3.33	-36.67	480.73	-357.94	599.35	591.36	7.99	74.975	
1,400.00	1,400.00	1,389.26	1,399.93	4.56	3.33	-36.66	480.93	-357.90	599.49	591.27	8.22	72.963	
1,500.00	1,500.00	1,490.66	1,501.33	4.74	3.38	-36.69	480.59	-358.10	599.33	590.89	8.44	71.002	
1,600.00	1,600.00	1,596.76	1,607.39	4.91	3.38	-36.49	481.32	-356.01	598.72	590.06	8.66	69.105	
1,700.00	1,700.00	1,695.72	1,706.28	5.08	3.38	-36.15	482.62	-352.61	597.74	588.86	8.88	67.299	
1,800.00	1,800.00	1,795.12	1,805.63	5.24	3.38	-35.84	483.90	-349.57	596.99	587.89	9.10	65.627	
1,900.00	1,900.00	1,893.42	1,903.89	5.40	3.38	-35.61	484.75	-347.18	596.26	586.95	9.31	64.051	
2,000.00	2,000.00	2,003.18	2,013.61	5.56	3.40	-35.36	485.21	-344.25	595.08	585.56	9.52	62.490	
2,100.00	2,099.98	2,132.26	2,142.25	5.79	3.43	20.14	484.87	-334.16	588.75	578.93	9.81	59.988	
2,200.00	2,199.84	2,233.77	2,243.01	6.01	3.47	21.41	484.54	-321.86	576.81	566.71	10.10	57.094	
2,300.00	2,299.45	2,344.61	2,352.70	6.26	3.51	23.23	483.67	-306.02	560.39	549.99	10.40	53.889	
2,400.08	2,398.78	2,446.78	2,453.42	6.52	3.56	25.41	481.79	-288.95	539.13	528.42	10.71	50.331	
2,500.00	2,497.73	2,532.78	2,538.55	6.73	3.60	27.03	479.56	-277.04	517.73	506.75	10.98	47.163	
2,600.00	2,596.75	2,621.16	2,626.35	6.95	3.65	28.62	477.90	-267.05	498.57	487.32	11.26	44.296	
2,700.00	2,695.78	2,714.06	2,718.76	7.20	3.70	30.36	477.23	-257.48	481.33	469.79	11.54	41.705	
2,800.00	2,794.81	2,812.43	2,816.61	7.46	3.75	32.32	476.64	-247.50	464.80	452.97	11.83	39.289	
2,900.00	2,893.83	2,909.51	2,913.01	7.74	3.81	34.61	476.33	-235.99	448.50	436.38	12.12	37.011	
3,000.00	2,992.86	3,007.02	3,009.72	8.03	3.87	37.19	476.57	-223.64	433.25	420.85	12.40	34.949	
3,100.00	3,091.89	3,103.77	3,105.66	8.34	3.94	39.96	476.71	-211.07	418.76	406.10	12.66	33.070	
3,200.00	3,190.91	3,203.54	3,204.65	8.65	4.01	42.93	476.53	-198.62	405.14	392.23	12.91	31.387	
3,212.64	3,203.43	3,217.19	3,218.19	8.68	4.02	43.35	476.40	-196.89	403.41	390.48	12.92	31.214	
3,300.00	3,290.03	3,307.55	3,307.77	8.98	4.09	46.09	474.58	-185.22	391.41	378.28	13.13	29.810	
3,400.00	3,389.36	3,403.56	3,402.92	9.30	4.16	49.04	472.36	-172.60	379.57	366.24	13.33	28.472	
3,500.00	3,488.88	3,501.45	3,499.99	9.62	4.24	51.97	470.04	-160.16	369.96	356.45	13.50	27.396	
3,600.00	3,588.55	3,597.36	3,595.21	9.94	4.32	54.65	468.11	-148.80	362.79	349.12	13.66	26.552	
3,700.00	3,688.35	3,696.45	3,693.61	10.24	4.40	57.26	466.17	-137.30	357.51	343.72	13.80	25.913	
3,800.00	3,788.24	3,793.13	3,789.61	10.53	4.49	59.67	464.44	-126.05	354.10	340.18	13.92	25.440	
3,898.51	3,886.71	3,887.55	3,883.39	10.79	4.57	61.81	463.58	-115.10	353.05	339.03	14.03	25.166 CC	
3,900.00	3,888.20	3,888.96	3,884.79	10.80	4.57	61.84	463.57	-114.93	353.05	339.02	14.03	25.163 ES	
4,000.00	3,988.19	3,988.79	3,983.91	11.02	4.66	63.92	463.00	-103.07	353.71	339.59	14.12	25.052	
4,012.81	4,001.00	4,001.83	3,996.86	11.02	4.67	9.58	462.89	-101.50	353.86	339.74	14.12	25.069	
4,100.00	4,088.19	4,089.17	4,083.57	11.10	4.75	11.26	461.99	-91.11	354.85	340.67	14.18	25.028	
4,200.00	4,188.19	4,190.17	4,183.92	11.17	4.84	13.10	460.71	-79.75	356.00	341.76	14.24	25.000	
4,300.00	4,288.19	4,290.51	4,283.70	11.25	4.94	14.78	459.66	-69.21	357.51	343.20	14.32	24.974	
4,400.00	4,388.19	4,390.45	4,383.18	11.32	5.03	16.29	458.35	-59.78	358.78	344.38	14.41	24.907	
4,500.00	4,488.19	4,490.33	4,482.65	11.39	5.13	17.73	457.18	-50.70	360.33	345.83	14.50	24.845	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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 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)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,600.00	4,588.19	4,589.45	4,581.36	11.47	5.23	19.12	455.97	-41.82	362.01	347.41	14.61	24.781	
4,700.00	4,688.19	4,689.93	4,681.43	11.54	5.33	20.53	454.77	-32.79	363.94	349.22	14.72	24.725	
4,800.00	4,788.19	4,788.04	4,779.15	11.61	5.43	21.84	453.74	-24.22	366.13	351.29	14.84	24.674	
4,900.00	4,888.19	4,887.46	4,878.11	11.69	5.53	23.28	452.50	-14.73	368.65	353.69	14.96	24.642	
5,000.00	4,988.19	4,987.67	4,977.71	11.76	5.63	24.92	450.84	-3.88	371.58	356.49	15.09	24.630	
5,100.00	5,088.19	5,088.53	5,078.00	11.84	5.74	26.52	448.74	6.63	374.24	359.02	15.22	24.587	
5,200.00	5,188.19	5,189.86	5,178.81	11.91	5.85	28.04	446.66	16.75	377.00	361.64	15.36	24.537	
5,300.00	5,288.19	5,290.45	5,278.95	11.98	5.96	29.42	444.46	25.92	379.48	363.97	15.51	24.459 SF	
5,400.00	5,388.19	5,371.86	5,359.81	12.06	6.04	30.66	444.02	35.22	384.69	369.02	15.66	24.560	
5,500.00	5,488.19	5,472.25	5,459.33	12.13	6.15	32.29	444.51	48.42	392.01	376.18	15.83	24.765	
5,600.00	5,588.19	5,572.82	5,559.07	12.21	6.26	33.80	445.08	61.27	399.50	383.50	16.00	24.964	
5,700.00	5,688.19	5,673.97	5,659.16	12.28	6.37	35.61	443.78	75.78	406.66	390.48	16.19	25.119	
5,800.00	5,788.19	5,775.40	5,759.46	12.36	6.49	37.47	441.56	90.72	413.74	397.36	16.39	25.249	
5,900.00	5,888.19	5,878.16	5,861.17	12.43	6.60	39.26	438.92	105.12	420.48	403.89	16.59	25.342	
6,000.00	5,988.19	5,981.08	5,963.15	12.51	6.72	40.90	436.16	118.67	426.96	410.16	16.80	25.409	
6,100.00	6,088.19	6,084.93	6,066.26	12.58	6.84	42.37	433.20	130.73	432.58	415.57	17.02	25.422	
6,200.00	6,188.19	6,186.31	6,167.03	12.66	6.96	43.66	430.30	141.46	437.74	420.51	17.23	25.411	
6,300.00	6,288.19	6,287.68	6,267.92	12.73	7.07	44.79	427.53	150.80	442.22	424.78	17.43	25.367	
6,400.00	6,388.19	6,375.00	6,354.79	12.81	7.17	45.75	425.67	159.49	447.86	430.24	17.63	25.411	
6,500.00	6,488.19	6,472.88	6,451.80	12.88	7.29	47.05	423.75	172.33	456.05	438.20	17.85	25.552	
6,600.00	6,588.19	6,584.69	6,562.86	12.96	7.42	48.36	421.06	184.96	462.82	444.73	18.09	25.590	
6,700.00	6,688.19	6,690.34	6,668.15	13.03	7.54	49.24	419.04	193.44	467.60	449.30	18.30	25.550	
6,800.00	6,788.19	6,777.39	6,755.00	13.11	7.64	49.75	418.50	199.25	472.41	453.92	18.48	25.560	
6,900.00	6,888.19	6,876.71	6,853.89	13.18	7.75	50.34	419.68	208.27	480.14	461.45	18.69	25.694	
7,000.00	6,988.19	6,961.88	6,938.69	13.26	7.84	50.75	421.50	215.90	488.47	469.60	18.88	25.878	
7,100.00	7,088.19	7,071.78	7,047.99	13.33	7.96	51.27	424.59	226.91	498.09	479.00	19.09	26.094	
7,200.00	7,188.19	7,163.03	7,138.91	13.41	8.06	51.58	426.95	234.22	506.06	486.78	19.28	26.248	
7,300.00	7,288.19	7,266.56	7,241.78	13.49	8.18	52.17	429.28	245.56	516.10	496.60	19.49	26.476	
7,400.00	7,388.19	7,365.22	7,340.00	13.56	8.28	52.49	432.38	254.41	525.12	505.43	19.69	26.666	
7,500.00	7,488.19	7,457.07	7,431.20	13.64	8.39	53.11	433.46	265.20	535.20	515.29	19.91	26.886	
7,600.00	7,588.19	7,564.65	7,538.01	13.71	8.52	53.90	433.73	278.01	544.93	524.80	20.13	27.065	
7,700.00	7,688.19	7,678.97	7,651.52	13.79	8.66	54.95	430.82	291.23	552.89	532.51	20.38	27.128	
7,800.00	7,788.19	7,787.06	7,759.13	13.87	8.79	55.78	427.62	300.78	558.47	537.86	20.61	27.096	
7,900.00	7,888.19	7,893.15	7,864.87	13.94	8.91	56.48	424.80	308.82	563.30	542.47	20.83	27.040	
8,000.00	7,988.19	7,980.60	7,952.10	14.02	9.02	57.00	422.51	314.75	567.67	546.64	21.02	27.001	
8,100.00	8,088.19	8,068.97	8,039.92	14.09	9.13	57.69	420.55	324.26	575.49	554.25	21.24	27.095	
8,200.00	8,188.19	8,172.86	8,143.17	14.17	9.25	58.48	418.14	335.49	583.46	561.99	21.47	27.173	
8,300.00	8,288.19	8,263.17	8,233.01	14.25	9.36	59.07	416.57	344.58	591.27	569.58	21.69	27.260	
8,400.00	8,388.19	8,353.90	8,323.06	14.32	9.47	59.59	416.92	355.69	601.95	580.04	21.91	27.472	
8,500.00	8,488.19	8,452.20	8,420.68	14.40	9.60	60.06	417.82	367.18	612.54	590.41	22.13	27.678	
8,600.00	8,588.19	8,555.52	8,523.08	14.48	9.73	60.70	417.79	380.98	624.20	601.84	22.36	27.915	
8,700.00	8,688.19	8,670.24	8,637.20	14.55	9.87	61.28	416.94	392.55	632.56	609.98	22.58	28.009	
8,800.00	8,788.19	8,778.11	8,744.56	14.63	10.00	61.87	415.06	402.77	640.08	617.27	22.81	28.060	
8,900.00	8,888.19	8,860.28	8,826.29	14.71	10.10	62.35	413.35	411.04	648.06	625.04	23.03	28.146	
9,000.00	8,988.19	8,959.47	8,924.48	14.78	10.22	63.25	408.72	424.27	657.85	634.57	23.27	28.268	
9,100.00	9,088.19	9,071.29	9,035.41	14.86	10.36	64.15	403.56	437.36	666.29	642.78	23.52	28.333	
9,200.00	9,188.19	9,189.27	9,152.87	14.94	10.44	64.86	399.24	447.47	672.40	648.74	23.66	28.415	
9,300.00	9,288.19	9,320.39	9,283.22	15.02	10.47	65.88	390.48	457.01	676.50	652.65	23.85	28.364	
9,400.00	9,388.19	9,384.58	9,344.33	15.09	10.53	67.50	373.88	466.90	680.42	656.39	24.03	28.320	
9,500.00	9,488.19	9,452.00	9,404.33	15.17	10.60	70.03	347.89	483.10	689.80	665.47	24.33	28.348	
9,600.00	9,588.19	9,500.00	9,444.47	15.25	10.65	72.15	325.82	497.39	705.84	681.05	24.79	28.471	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:		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
9,700.00	9,688.19	9,563.08	9,493.81	15.32	10.73	75.24	293.05	519.05	729.03	703.66	25.37	28.732	
9,800.00	9,788.19	9,665.88	9,567.86	15.40	10.86	80.68	231.39	554.56	757.29	731.35	25.95	29.183	
9,900.00	9,888.19	9,723.90	9,605.91	15.48	10.95	83.96	191.63	572.88	789.56	762.84	26.72	29.553	
9,992.46	9,980.65	9,763.85	9,629.93	15.55	11.02	86.29	162.34	585.57	825.72	798.19	27.54	29.987	
10,000.00	9,988.19	9,766.79	9,631.63	15.55	11.02	86.11	160.14	586.52	828.94	801.40	27.54	30.099	
10,025.00	10,013.17	9,775.87	9,636.83	15.55	11.04	85.21	153.29	589.45	839.86	812.09	27.77	30.247	
10,050.00	10,038.05	9,784.00	9,641.41	15.56	11.05	84.21	147.12	592.09	851.14	823.14	28.00	30.400	
10,075.00	10,062.78	9,784.00	9,641.41	15.57	11.05	82.64	147.12	592.09	862.83	834.56	28.27	30.525	
10,100.00	10,087.28	9,797.02	9,648.59	15.57	11.08	81.89	137.12	596.33	874.77	846.29	28.48	30.710	
10,125.00	10,111.50	9,802.12	9,651.35	15.58	11.09	80.56	133.17	597.99	887.09	858.36	28.73	30.873	
10,150.00	10,135.35	9,806.30	9,653.59	15.59	11.09	79.13	129.91	599.36	899.71	870.72	28.98	31.041	
10,175.00	10,158.78	9,809.62	9,655.35	15.59	11.10	77.59	127.32	600.45	912.60	883.37	29.23	31.217	
10,200.00	10,181.72	9,812.11	9,656.66	15.60	11.11	75.97	125.37	601.27	925.74	896.26	29.48	31.400	
10,225.00	10,204.11	9,813.81	9,657.55	15.61	11.11	74.26	124.03	601.83	939.08	909.36	29.73	31.590	
10,250.00	10,225.88	9,814.77	9,658.05	15.62	11.11	72.48	123.28	602.14	952.60	922.63	29.97	31.789	
10,275.00	10,246.99	9,815.02	9,658.19	15.63	11.11	70.65	123.08	602.22	966.24	936.04	30.20	31.995	
10,300.00	10,267.36	9,814.61	9,657.97	15.64	11.11	68.77	123.40	602.09	979.98	949.55	30.42	32.210	
10,325.00	10,286.95	9,813.58	9,657.43	15.65	11.11	66.86	124.21	601.75	993.76	963.12	30.64	32.432	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 3.00 usft
Reference													Rule Assigned:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	10.10	0.00	3.00	-36.46	502.60	-371.30	624.96				
100.00	100.00	90.79	100.89	0.77	3.00	-36.50	502.28	-371.63	624.81	620.01	4.80	130.204	
200.00	200.00	191.26	201.35	1.44	3.00	-36.60	501.45	-372.47	624.65	619.53	5.12	121.990	
300.00	300.00	292.64	302.72	1.88	3.02	-36.74	500.31	-373.49	624.35	618.92	5.43	115.063	
400.00	400.00	393.93	403.99	2.25	3.03	-36.87	498.95	-374.23	623.71	617.99	5.72	109.057	
500.00	500.00	493.58	503.63	2.56	3.05	-37.01	497.56	-375.05	623.09	617.09	6.00	103.828	
600.00	600.00	591.53	601.58	2.84	3.08	-37.14	496.27	-375.92	622.58	616.30	6.27	99.241	
642.08	642.08	632.04	642.08	2.95	3.09	-37.21	495.78	-376.46	622.52	616.13	6.38	97.537	
700.00	700.00	687.24	697.27	3.10	3.11	-37.32	495.22	-377.48	622.69	616.16	6.53	95.287	
800.00	800.00	785.89	795.89	3.34	3.14	-37.51	494.33	-379.50	623.22	616.43	6.79	91.807	
900.00	900.00	893.64	903.63	3.57	3.15	-37.51	494.50	-379.53	623.37	616.33	7.04	88.591	
1,000.00	1,000.00	991.97	1,001.93	3.79	3.14	-37.30	495.47	-377.47	622.88	615.60	7.28	85.564	
1,100.00	1,100.00	1,091.98	1,101.92	3.99	3.14	-37.13	496.32	-375.83	622.57	615.05	7.52	82.810	
1,200.00	1,200.00	1,191.22	1,201.16	4.19	3.14	-37.05	496.73	-375.05	622.42	614.67	7.75	80.299	
1,295.78	1,295.78	1,285.84	1,295.78	4.37	3.14	-37.01	496.83	-374.53	622.18	614.21	7.97	78.049	
1,300.00	1,300.00	1,289.78	1,299.72	4.38	3.14	-37.01	496.84	-374.52	622.18	614.20	7.98	77.955	
1,400.00	1,400.00	1,384.66	1,394.60	4.56	3.16	-37.03	497.13	-375.00	622.73	614.53	8.20	75.926	
1,500.00	1,500.00	1,485.04	1,494.97	4.74	3.19	-37.13	497.13	-376.45	623.60	615.18	8.42	74.046	
1,600.00	1,600.00	1,585.54	1,595.45	4.91	3.21	-37.05	498.28	-376.10	624.30	615.66	8.64	72.259	
1,700.00	1,700.00	1,684.05	1,693.94	5.08	3.22	-36.85	500.25	-374.88	625.16	616.30	8.85	70.602	
1,800.00	1,800.00	1,783.59	1,793.46	5.24	3.24	-36.74	501.74	-374.50	626.13	617.06	9.07	69.047	
1,900.00	1,900.00	1,879.45	1,889.31	5.40	3.27	-36.71	502.95	-374.99	627.45	618.17	9.28	67.612	
2,000.00	2,000.00	1,978.58	1,988.43	5.56	3.31	-36.70	504.41	-376.04	629.26	619.77	9.49	66.284	
2,100.00	2,099.98	2,107.22	2,116.90	5.79	3.34	18.45	507.14	-371.57	627.27	617.48	9.79	64.087	
2,200.00	2,199.84	2,205.99	2,215.30	6.01	3.37	19.40	509.87	-363.55	619.82	609.75	10.07	61.559	
2,300.00	2,299.45	2,324.81	2,333.50	6.26	3.41	20.87	512.54	-351.78	607.89	597.53	10.36	58.667	
2,400.08	2,398.78	2,433.30	2,440.93	6.52	3.44	22.76	513.72	-336.75	589.87	579.21	10.67	55.288	
2,500.00	2,497.73	2,519.88	2,526.82	6.73	3.48	24.19	514.03	-325.88	570.89	559.96	10.93	52.250	
2,600.00	2,596.75	2,607.73	2,614.32	6.95	3.52	25.42	514.40	-318.21	554.22	543.02	11.20	49.479	
2,700.00	2,695.78	2,701.39	2,707.73	7.20	3.56	26.71	515.41	-311.37	539.12	527.63	11.49	46.915	
2,800.00	2,794.81	2,797.26	2,803.37	7.46	3.61	28.07	516.71	-304.86	524.82	513.02	11.79	44.496	
2,900.00	2,893.83	2,892.77	2,898.66	7.74	3.66	29.48	518.36	-298.70	511.30	499.20	12.11	42.227	
3,000.00	2,992.86	2,991.00	2,996.71	8.03	3.72	30.96	520.13	-292.86	498.41	485.98	12.43	40.104	
3,100.00	3,091.89	3,089.90	3,095.44	8.34	3.78	32.47	521.66	-287.32	485.75	473.00	12.75	38.097	
3,200.00	3,190.91	3,187.71	3,193.12	8.65	3.84	33.96	523.07	-282.60	473.63	460.55	13.07	36.224	
3,212.64	3,203.43	3,200.12	3,205.52	8.68	3.85	34.15	523.22	-282.05	472.11	459.00	13.10	36.027	
3,300.00	3,290.03	3,286.47	3,291.78	8.98	3.91	35.35	524.15	-278.36	462.24	448.83	13.41	34.481	
3,400.00	3,389.36	3,384.69	3,389.91	9.30	3.98	36.67	525.36	-274.28	452.70	438.98	13.72	32.997	
3,500.00	3,488.88	3,484.77	3,489.92	9.62	4.05	37.88	526.33	-270.48	444.67	430.64	14.02	31.709	
3,600.00	3,588.55	3,583.71	3,588.81	9.94	4.13	38.90	527.13	-267.44	438.25	423.93	14.32	30.598	
3,700.00	3,688.35	3,683.30	3,688.37	10.24	4.21	39.74	527.81	-264.88	433.33	418.72	14.61	29.653	
3,800.00	3,788.24	3,782.74	3,787.77	10.53	4.29	40.44	528.65	-262.50	430.04	415.14	14.89	28.874	
3,900.00	3,888.20	3,880.79	3,885.79	10.80	4.37	41.01	529.53	-260.09	428.17	413.01	15.16	28.245	
3,968.61	3,956.80	3,949.34	3,954.32	10.95	4.43	41.32	530.31	-258.54	427.85	412.54	15.31	27.940	
4,000.00	3,988.19	3,980.63	3,985.60	11.02	4.46	41.43	530.65	-257.86	427.92	412.53	15.39	27.812	
4,012.81	4,001.00	3,993.03	3,998.00	11.02	4.47	-13.13	530.79	-257.60	427.99	412.59	15.40	27.797	
4,100.00	4,088.19	4,080.44	4,085.38	11.10	4.55	-12.88	531.70	-255.91	428.49	412.97	15.52	27.617	
4,200.00	4,188.19	4,181.05	4,185.97	11.17	4.64	-12.66	532.62	-254.43	429.06	413.42	15.64	27.442	
4,300.00	4,288.19	4,282.35	4,287.27	11.25	4.73	-12.54	533.24	-253.64	429.48	413.72	15.76	27.249	
4,400.00	4,388.19	4,383.93	4,388.85	11.32	4.81	-12.49	533.48	-253.36	429.66	413.77	15.89	27.038	
4,439.57	4,427.76	4,422.84	4,427.76	11.35	4.84	-12.49	533.45	-253.31	429.62	413.68	15.94	26.948	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance			Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
4,500.00	4,488.19	4,482.35	4,487.27	11.39	4.90	-12.47	533.55	-253.18	429.69	413.66	16.02	26.814		
4,600.00	4,588.19	4,579.86	4,584.78	11.47	4.96	-12.45	533.90	-253.14	430.03	413.87	16.17	26.599		
4,700.00	4,688.19	4,683.38	4,688.30	11.54	4.97	-12.53	533.96	-253.70	430.20	413.90	16.30	26.389		
4,704.45	4,692.64	4,687.62	4,692.54	11.54	4.97	-12.53	533.96	-253.72	430.20	413.89	16.31	26.378		
4,800.00	4,788.19	4,782.32	4,787.24	11.61	4.97	-12.59	533.96	-254.23	430.31	413.87	16.44	26.169		
4,900.00	4,888.19	4,883.66	4,888.57	11.69	4.98	-12.70	533.87	-255.03	430.41	413.82	16.58	25.955		
5,000.00	4,988.19	4,983.66	4,988.57	11.76	4.98	-12.80	533.68	-255.77	430.38	413.66	16.72	25.736		
5,100.00	5,088.19	5,085.48	5,090.38	11.84	4.99	-12.97	533.14	-256.91	430.11	413.25	16.86	25.507		
5,200.00	5,188.19	5,185.78	5,190.67	11.91	5.00	-13.14	532.48	-258.08	429.74	412.73	17.00	25.273		
5,272.80	5,260.99	5,256.11	5,260.99	11.96	5.01	-13.22	532.02	-258.62	429.40	412.30	17.11	25.100		
5,300.00	5,288.19	5,281.89	5,286.78	11.98	5.02	-13.17	532.15	-258.24	429.45	412.30	17.14	25.050		
5,400.00	5,388.19	5,380.61	5,385.44	12.06	5.11	-12.78	533.36	-255.51	430.02	412.76	17.26	24.913		
5,500.00	5,488.19	5,479.64	5,484.42	12.13	5.20	-12.36	534.81	-252.63	430.82	413.44	17.38	24.791		
5,600.00	5,588.19	5,577.16	5,581.84	12.21	5.29	-11.79	536.93	-248.69	432.09	414.60	17.49	24.706		
5,700.00	5,688.19	5,677.42	5,681.97	12.28	5.38	-11.16	539.47	-244.30	433.70	416.11	17.60	24.648		
5,800.00	5,788.19	5,779.09	5,783.53	12.36	5.48	-10.56	541.61	-240.12	435.00	417.30	17.70	24.572		
5,900.00	5,888.19	5,880.11	5,884.46	12.43	5.58	-9.99	543.42	-236.07	436.05	418.23	17.81	24.478		
6,000.00	5,988.19	5,982.34	5,986.62	12.51	5.68	-9.52	544.53	-232.57	436.54	418.61	17.93	24.350		
6,100.00	6,088.19	6,083.66	6,087.90	12.58	5.78	-9.12	545.30	-229.64	436.82	418.78	18.05	24.205		
6,200.00	6,188.19	6,184.00	6,188.20	12.66	5.87	-8.77	545.64	-227.03	436.75	418.58	18.17	24.040		
6,204.45	6,192.64	6,188.21	6,192.41	12.66	5.88	-8.76	545.66	-226.92	436.75	418.58	18.17	24.032		
6,300.00	6,288.19	6,282.78	6,286.95	12.73	5.97	-8.50	546.24	-224.98	437.04	418.74	18.30	23.887		
6,400.00	6,388.19	6,380.98	6,385.13	12.81	6.07	-8.23	547.00	-223.06	437.52	419.09	18.43	23.743		
6,500.00	6,488.19	6,477.68	6,481.82	12.88	6.17	-8.05	548.22	-221.81	438.59	420.02	18.57	23.621		
6,600.00	6,588.19	6,574.25	6,578.36	12.96	6.27	-7.81	550.15	-220.25	440.35	421.64	18.71	23.538		
6,700.00	6,688.19	6,673.11	6,677.14	13.03	6.37	-7.43	552.86	-217.64	442.71	423.87	18.84	23.498		
6,800.00	6,788.19	6,773.19	6,777.16	13.11	6.47	-7.09	555.63	-215.37	445.17	426.20	18.98	23.460		
6,900.00	6,888.19	6,874.03	6,877.95	13.18	6.57	-6.80	558.17	-213.37	447.44	428.32	19.11	23.410		
7,000.00	6,988.19	6,970.71	6,974.54	13.26	6.68	-6.42	561.10	-210.69	450.13	430.87	19.25	23.381		
7,100.00	7,088.19	7,069.07	7,072.77	13.33	6.78	-5.94	564.73	-207.26	453.42	434.03	19.39	23.389		
7,200.00	7,188.19	7,170.14	7,173.75	13.41	6.88	-5.59	568.56	-204.90	456.96	437.44	19.53	23.402		
7,300.00	7,288.19	7,264.94	7,268.45	13.49	6.98	-5.30	572.15	-202.92	460.54	440.86	19.68	23.405		
7,400.00	7,388.19	7,367.29	7,370.69	13.56	7.09	-5.02	576.53	-200.99	464.64	444.81	19.82	23.439		
7,500.00	7,488.19	7,470.09	7,473.37	13.64	7.20	-4.57	580.02	-197.68	467.75	447.79	19.96	23.434		
7,600.00	7,588.19	7,571.49	7,574.68	13.71	7.31	-4.20	583.36	-194.87	470.82	450.72	20.10	23.420		
7,700.00	7,688.19	7,679.70	7,682.83	13.79	7.43	-3.86	585.92	-192.21	473.02	452.78	20.24	23.368		
7,800.00	7,788.19	7,788.70	7,791.64	13.87	7.54	-3.09	586.01	-185.89	472.71	452.35	20.36	23.221		
7,900.00	7,888.19	7,896.16	7,898.95	13.94	7.64	-2.42	584.53	-180.32	471.08	450.61	20.47	23.010		
8,000.00	7,988.19	8,001.31	8,003.94	14.02	7.72	-1.83	581.86	-175.36	468.36	447.78	20.59	22.749		
8,100.00	8,088.19	8,106.98	8,109.43	14.09	7.79	-1.28	577.61	-170.77	464.21	443.50	20.71	22.420		
8,200.00	8,188.19	8,206.43	8,208.70	14.17	7.85	-0.83	573.01	-167.05	459.51	438.69	20.82	22.073		
8,300.00	8,288.19	8,291.74	8,293.89	14.25	7.92	-0.40	570.45	-163.55	456.49	435.57	20.93	21.814		
8,400.00	8,388.19	8,389.42	8,391.49	14.32	8.02	0.09	569.55	-159.67	455.56	434.51	21.05	21.641		
8,470.93	8,459.12	8,457.10	8,459.12	14.38	8.09	0.42	569.40	-157.07	455.41	434.26	21.14	21.540		
8,500.00	8,488.19	8,484.95	8,486.96	14.40	8.12	0.55	569.41	-156.03	455.43	434.25	21.18	21.502		
8,600.00	8,588.19	8,582.47	8,584.37	14.48	8.23	1.08	570.16	-151.84	456.25	434.94	21.32	21.404		
8,700.00	8,688.19	8,692.77	8,694.54	14.55	8.34	1.77	569.56	-146.36	455.83	434.38	21.44	21.259		
8,765.65	8,753.84	8,752.15	8,753.84	14.60	8.38	2.14	569.03	-143.43	455.35	433.84	21.51	21.166		
8,800.00	8,788.19	8,783.09	8,784.74	14.63	8.41	2.33	569.09	-141.87	455.48	433.93	21.55	21.133		
8,900.00	8,888.19	8,884.27	8,885.81	14.71	8.44	2.91	569.89	-137.19	456.49	434.83	21.66	21.078		
9,000.00	8,988.19	8,988.72	8,990.22	14.78	8.47	3.28	569.84	-134.25	456.59	434.82	21.77	20.971		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													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)			
9,100.00	9,088.19	9,294.71	9,285.34	14.86	8.65	6.84	513.84	-112.43	448.37	424.02	24.35	18.411	
9,200.00	9,188.19	9,497.75	9,449.18	14.94	8.94	14.21	397.66	-88.60	392.08	364.37	27.72	14.146	
9,300.00	9,288.19	9,607.28	9,524.85	15.02	9.17	19.60	318.56	-87.56	321.18	291.92	29.26	10.977	
9,400.00	9,388.19	9,691.01	9,576.02	15.09	9.37	28.91	252.47	-83.93	245.57	215.37	30.20	8.132	
9,500.00	9,488.19	9,758.70	9,611.11	15.17	9.57	46.45	195.37	-74.82	170.45	140.36	30.09	5.664	
9,600.00	9,588.19	9,814.75	9,635.21	15.25	9.77	71.37	145.32	-67.49	108.74	81.68	27.05	4.019	
9,654.66	9,642.85	9,836.27	9,642.86	15.29	9.85	83.21	125.36	-65.02	96.05	71.29	24.77	3.878 CC, ES, SF	
9,700.00	9,688.19	9,851.11	9,647.60	15.32	9.91	91.54	111.39	-63.42	105.16	78.61	26.55	3.961	
9,800.00	9,788.19	9,877.17	9,655.02	15.40	10.01	105.43	86.54	-60.95	168.46	136.35	32.11	5.247	
9,900.00	9,888.19	9,898.63	9,660.36	15.48	10.10	115.45	65.83	-59.20	253.91	219.58	34.32	7.398	
9,992.46	9,980.65	9,916.69	9,664.56	15.55	10.18	122.63	48.32	-57.83	338.75	303.42	35.33	9.588	
10,000.00	9,988.19	9,918.02	9,664.86	15.55	10.18	121.16	47.02	-57.73	345.80	310.44	35.36	9.781	
10,025.00	10,013.17	9,921.69	9,665.68	15.55	10.20	114.99	43.46	-57.47	369.43	333.87	35.56	10.390	
10,050.00	10,038.05	9,924.23	9,666.24	15.56	10.21	106.92	40.98	-57.29	393.35	357.62	35.74	11.007	
10,075.00	10,062.78	9,925.69	9,666.56	15.57	10.22	96.80	39.56	-57.18	417.49	381.59	35.90	11.630	
10,100.00	10,087.28	9,926.11	9,666.65	15.57	10.22	84.95	39.16	-57.15	441.75	405.71	36.04	12.256	
10,125.00	10,111.50	9,925.54	9,666.53	15.58	10.21	72.35	39.72	-57.19	466.07	429.90	36.17	12.884	
10,150.00	10,135.35	9,924.01	9,666.19	15.59	10.21	60.34	41.20	-57.30	490.36	454.07	36.29	13.512	
10,175.00	10,158.78	9,921.58	9,665.65	15.59	10.20	49.93	43.57	-57.48	514.56	478.17	36.40	14.137	
10,200.00	10,181.72	9,918.29	9,664.92	15.60	10.18	41.43	46.76	-57.71	538.61	502.11	36.49	14.760	
10,225.00	10,204.11	9,914.18	9,663.99	15.61	10.17	34.71	50.75	-58.01	562.43	525.85	36.58	15.377	
10,250.00	10,225.88	9,909.30	9,662.87	15.62	10.15	29.43	55.49	-58.38	585.97	549.32	36.65	15.989	
10,275.00	10,246.99	9,903.68	9,661.56	15.63	10.12	25.27	60.94	-58.80	609.17	572.46	36.71	16.593	
10,300.00	10,267.36	9,897.37	9,660.06	15.64	10.10	21.97	67.05	-59.29	631.98	595.22	36.77	17.189	
10,325.00	10,286.95	9,885.00	9,657.03	15.65	10.05	18.93	79.00	-60.29	654.39	617.54	36.85	17.757	
10,350.00	10,305.70	9,885.00	9,657.03	15.66	10.05	17.25	79.00	-60.29	676.25	639.41	36.83	18.360	
10,375.00	10,323.56	9,885.00	9,657.03	15.68	10.05	15.82	79.00	-60.29	697.71	660.91	36.80	18.959	
10,400.00	10,340.48	9,871.73	9,653.57	15.69	9.99	14.05	91.76	-61.43	718.49	681.63	36.86	19.494	
10,425.00	10,356.41	9,865.42	9,651.81	15.70	9.97	12.84	97.79	-62.01	738.79	701.94	36.85	20.049	
10,450.00	10,371.31	9,858.85	9,649.92	15.72	9.94	11.80	104.05	-62.65	758.51	721.68	36.83	20.594	
10,475.00	10,385.14	9,852.04	9,647.88	15.74	9.91	10.91	110.51	-63.33	777.61	740.81	36.81	21.128	
10,500.00	10,397.87	9,838.00	9,643.43	15.75	9.86	9.95	123.74	-64.83	796.15	759.32	36.82	21.621	
10,525.00	10,409.45	9,838.00	9,643.43	15.77	9.86	9.45	123.74	-64.83	813.87	777.15	36.72	22.162	
10,550.00	10,419.85	9,838.00	9,643.43	15.79	9.86	8.99	123.74	-64.83	831.07	794.46	36.61	22.700	
10,575.00	10,429.05	9,838.00	9,643.43	15.81	9.86	8.58	123.74	-64.83	847.72	811.23	36.48	23.235	
10,600.00	10,437.02	9,818.66	9,636.67	15.84	9.79	7.89	141.73	-67.03	863.17	826.66	36.51	23.643	
10,625.00	10,443.74	9,812.03	9,634.17	15.86	9.76	7.48	147.82	-67.81	878.19	841.77	36.42	24.114	
10,650.00	10,449.19	9,790.00	9,625.21	15.89	9.68	6.89	167.76	-70.51	892.87	856.43	36.45	24.498	
10,675.00	10,453.36	9,790.00	9,625.21	15.92	9.68	6.67	167.76	-70.51	906.13	869.85	36.28	24.974	
10,700.00	10,456.23	9,790.00	9,625.21	15.95	9.68	6.46	167.76	-70.51	918.78	882.67	36.11	25.445	
10,725.00	10,457.80	9,790.00	9,625.21	15.98	9.68	6.28	167.76	-70.51	930.82	894.90	35.92	25.913	
10,738.48	10,458.10	9,790.00	9,625.21	16.00	9.68	6.19	167.76	-70.51	937.05	901.24	35.81	26.166	
10,800.00	10,458.61	9,743.00	9,603.55	16.09	9.52	5.58	208.91	-77.27	965.31	929.55	35.76	26.992	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 3.00 usft
Reference													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	11.10	0.00	3.00	-38.62	502.40	-401.30	643.09				
100.00	100.00	92.67	103.77	0.77	3.00	-38.66	501.87	-401.53	642.74	637.94	4.80	133.938	
200.00	200.00	193.50	204.59	1.44	3.00	-38.79	500.34	-402.09	641.90	636.78	5.12	125.335	
300.00	300.00	292.88	303.95	1.88	3.02	-38.90	499.01	-402.67	641.23	635.80	5.43	118.116	
400.00	400.00	393.93	404.99	2.25	3.03	-39.03	497.62	-403.35	640.58	634.86	5.72	111.928	
500.00	500.00	497.25	508.30	2.56	3.05	-39.16	495.75	-403.73	639.40	633.39	6.01	106.415	
600.00	600.00	597.08	608.10	2.84	3.08	-39.29	493.85	-404.00	638.10	631.81	6.29	101.512	
700.00	700.00	689.82	700.83	3.10	3.11	-39.42	492.34	-404.67	637.30	630.75	6.55	97.270	
705.23	705.23	694.22	705.23	3.12	3.11	-39.43	492.29	-404.73	637.30	630.74	6.56	97.076	
800.00	800.00	781.62	792.61	3.34	3.14	-39.59	491.46	-406.46	637.81	631.00	6.80	93.761	
900.00	900.00	875.89	886.83	3.57	3.16	-39.81	491.32	-409.43	639.69	632.65	7.04	90.825	
1,000.00	1,000.00	977.20	988.08	3.79	3.19	-40.08	490.83	-413.01	641.59	634.30	7.28	88.112	
1,100.00	1,100.00	1,076.97	1,087.76	3.99	3.23	-40.40	489.98	-417.02	643.53	636.01	7.52	85.622	
1,200.00	1,200.00	1,175.65	1,186.34	4.19	3.28	-40.76	488.83	-421.36	645.51	637.76	7.75	83.328	
1,300.00	1,300.00	1,275.14	1,285.71	4.38	3.32	-41.14	487.61	-426.04	647.67	639.69	7.97	81.221	
1,400.00	1,400.00	1,383.08	1,393.55	4.56	3.38	-41.52	486.30	-430.53	649.52	641.32	8.20	79.200	
1,500.00	1,500.00	1,480.49	1,490.91	4.74	3.44	-41.75	485.31	-433.19	650.59	642.16	8.42	77.247	
1,600.00	1,600.00	1,578.44	1,588.82	4.91	3.50	-41.98	484.77	-436.20	652.22	643.58	8.64	75.482	
1,700.00	1,700.00	1,682.92	1,693.28	5.08	3.54	-42.08	485.10	-438.09	653.67	644.81	8.86	73.773	
1,800.00	1,800.00	1,781.38	1,791.73	5.24	3.56	-42.06	486.12	-438.60	654.79	645.72	9.08	72.126	
1,900.00	1,900.00	1,875.59	1,885.92	5.40	3.60	-42.09	487.05	-439.94	656.48	647.18	9.29	70.635	
2,000.00	2,000.00	1,976.41	1,986.71	5.56	3.66	-42.18	487.96	-442.20	658.65	649.14	9.51	69.248	
2,100.00	2,099.98	2,090.21	2,100.51	5.79	3.70	12.43	488.58	-443.13	657.90	648.08	9.82	67.009	
2,200.00	2,199.84	2,193.17	2,203.45	6.01	3.68	12.67	489.23	-441.94	652.48	642.38	10.11	64.569	
2,300.00	2,299.45	2,308.85	2,319.08	6.26	3.66	13.17	489.62	-438.57	642.32	631.91	10.41	61.712	
2,400.08	2,398.78	2,423.58	2,433.58	6.52	3.66	13.98	488.91	-431.56	625.98	615.25	10.73	58.347	
2,500.00	2,497.73	2,508.61	2,518.40	6.73	3.66	14.64	488.20	-425.64	607.48	596.49	10.99	55.253	
2,600.00	2,596.75	2,588.51	2,598.28	6.95	3.66	15.05	488.35	-424.02	592.74	581.45	11.29	52.517	
2,700.00	2,695.78	2,687.38	2,697.15	7.20	3.66	15.51	488.86	-423.06	579.09	567.49	11.60	49.913	
2,800.00	2,794.81	2,786.50	2,796.27	7.46	3.67	15.99	489.33	-422.18	565.48	553.55	11.94	47.367	
2,900.00	2,893.83	2,883.75	2,893.50	7.74	3.68	16.46	489.65	-421.46	551.92	539.63	12.29	44.894	
3,000.00	2,992.86	2,983.01	2,992.77	8.03	3.69	16.97	490.17	-420.81	538.58	525.91	12.67	42.523	
3,100.00	3,091.89	3,081.88	3,091.64	8.34	3.71	17.50	490.68	-420.18	525.29	512.24	13.05	40.247	
3,200.00	3,190.91	3,180.76	3,190.51	8.65	3.74	18.05	491.24	-419.67	512.16	498.71	13.45	38.077	
3,212.64	3,203.43	3,192.99	3,202.74	8.68	3.74	18.12	491.30	-419.61	510.50	497.01	13.49	37.841	
3,300.00	3,290.03	3,279.37	3,289.12	8.98	3.77	18.56	491.74	-419.21	499.69	485.83	13.87	36.037	
3,400.00	3,389.36	3,378.34	3,388.08	9.30	3.80	19.02	492.20	-418.85	488.92	474.65	14.27	34.256	
3,500.00	3,488.88	3,478.53	3,488.27	9.62	3.84	19.45	492.70	-418.38	479.80	465.12	14.67	32.695	
3,600.00	3,588.55	3,577.74	3,587.48	9.94	3.89	19.80	493.03	-418.11	472.30	457.23	15.07	31.334	
3,700.00	3,688.35	3,677.58	3,687.32	10.24	3.94	20.07	493.34	-418.06	466.58	451.11	15.46	30.174	
3,800.00	3,788.24	3,776.31	3,786.05	10.53	3.99	20.26	493.68	-418.21	462.65	446.81	15.84	29.204	
3,900.00	3,888.20	3,874.59	3,884.33	10.80	4.05	20.37	494.20	-418.63	460.66	444.46	16.20	28.438	
3,951.80	3,939.99	3,925.66	3,935.40	10.91	4.08	20.39	494.56	-418.96	460.41	444.06	16.35	28.153 CC, ES	
4,000.00	3,988.19	3,973.47	3,983.21	11.02	4.11	20.40	494.96	-419.29	460.64	444.14	16.50	27.919	
4,012.81	4,001.00	3,986.13	3,995.87	11.02	4.12	-34.20	495.06	-419.38	460.77	444.25	16.51	27.901	
4,100.00	4,088.19	4,074.22	4,083.95	11.10	4.18	-34.22	495.81	-420.09	461.77	445.13	16.65	27.742	
4,200.00	4,188.19	4,173.00	4,182.72	11.17	4.24	-34.29	496.41	-421.16	462.88	446.10	16.78	27.583	
4,300.00	4,288.19	4,273.58	4,283.29	11.25	4.31	-34.39	496.94	-422.53	464.09	447.17	16.92	27.434	
4,400.00	4,388.19	4,374.21	4,383.91	11.32	4.38	-34.51	497.22	-423.85	465.06	448.00	17.05	27.272	
4,500.00	4,488.19	4,475.94	4,485.64	11.39	4.46	-34.59	497.45	-424.82	465.79	448.60	17.19	27.101	
4,600.00	4,588.19	4,575.59	4,585.28	11.47	4.52	-34.74	497.29	-426.15	466.42	449.10	17.32	26.925	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 3.00 usft
Reference													
Offset													
Semi Major Axis													
Highside													
Offset Wellbore Centre													
Distance													
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
4,700.00	4,688.19	4,663.54	4,673.20	11.54	4.59	-34.92	497.36	-428.03	467.78	450.30	17.48	26.768	
4,800.00	4,788.19	4,759.72	4,769.27	11.61	4.66	-35.24	499.01	-432.38	471.77	454.14	17.63	26.765	
4,900.00	4,888.19	4,860.50	4,869.93	11.69	4.75	-35.57	500.63	-436.91	475.68	457.91	17.78	26.761	
5,000.00	4,988.19	4,960.76	4,970.08	11.76	4.83	-35.90	502.14	-441.32	479.48	461.56	17.93	26.749	
5,100.00	5,088.19	5,063.44	5,072.65	11.84	4.92	-36.29	503.01	-446.08	482.89	464.81	18.07	26.716	
5,200.00	5,188.19	5,164.25	5,173.34	11.91	5.00	-36.71	503.50	-450.79	486.06	467.84	18.23	26.669	
5,300.00	5,288.19	5,267.02	5,276.01	11.98	5.09	-37.13	503.58	-455.37	488.80	470.43	18.37	26.602	
5,400.00	5,388.19	5,369.02	5,377.93	12.06	5.18	-37.54	503.26	-459.51	491.02	472.49	18.52	26.509	
5,500.00	5,488.19	5,468.67	5,477.51	12.13	5.26	-37.92	502.80	-463.34	493.00	474.33	18.67	26.403	
5,600.00	5,588.19	5,571.30	5,580.07	12.21	5.35	-38.31	502.29	-467.21	494.94	476.12	18.82	26.301	
5,700.00	5,688.19	5,672.19	5,680.89	12.28	5.44	-38.70	501.43	-470.76	496.47	477.50	18.96	26.178	
5,800.00	5,788.19	5,772.84	5,781.47	12.36	5.53	-39.09	500.38	-474.28	497.85	478.74	19.11	26.051	
5,900.00	5,888.19	5,875.04	5,883.60	12.43	5.61	-39.49	498.94	-477.65	498.85	479.59	19.25	25.909	
6,000.00	5,988.19	5,976.56	5,985.06	12.51	5.70	-39.89	497.34	-480.84	499.64	480.25	19.40	25.761	
6,100.00	6,088.19	6,076.62	6,085.06	12.58	5.79	-40.29	495.65	-483.93	500.34	480.80	19.54	25.608	
6,200.00	6,188.19	6,177.21	6,185.59	12.66	5.87	-40.69	493.79	-486.99	500.91	481.23	19.68	25.453	
6,300.00	6,288.19	6,278.05	6,286.37	12.73	5.96	-41.07	491.94	-489.78	501.33	481.51	19.82	25.294	
6,400.00	6,388.19	6,369.59	6,377.85	12.81	6.04	-41.42	490.37	-492.49	502.04	482.07	19.97	25.141	
6,500.00	6,488.19	6,465.59	6,473.77	12.88	6.14	-41.79	490.30	-496.70	504.88	484.76	20.13	25.087	
6,600.00	6,588.19	6,566.36	6,574.44	12.96	6.24	-42.15	490.26	-500.96	507.69	487.41	20.28	25.035	
6,700.00	6,688.19	6,668.51	6,676.50	13.03	6.35	-42.54	489.84	-505.25	510.21	489.78	20.43	24.972	
6,800.00	6,788.19	6,750.00	6,757.91	13.11	6.43	-42.81	490.06	-508.78	513.52	492.93	20.60	24.932	
6,900.00	6,888.19	6,845.78	6,853.45	13.18	6.53	-42.93	494.14	-514.03	520.35	499.60	20.76	25.069	
7,000.00	6,988.19	6,951.43	6,958.90	13.26	6.64	-43.13	497.59	-519.68	526.38	505.47	20.91	25.170	
7,100.00	7,088.19	7,053.73	7,061.02	13.33	6.74	-43.41	499.71	-525.24	531.61	510.54	21.07	25.227	
7,200.00	7,188.19	7,150.76	7,157.85	13.41	6.85	-43.80	500.84	-531.40	536.85	515.61	21.24	25.278	
7,300.00	7,288.19	7,252.81	7,259.64	13.49	6.96	-44.27	501.96	-538.55	542.52	521.12	21.40	25.350	
7,400.00	7,388.19	7,355.88	7,362.47	13.56	7.07	-44.79	502.04	-545.56	547.35	525.79	21.56	25.384	
7,500.00	7,488.19	7,459.17	7,465.55	13.64	7.19	-45.28	501.96	-552.21	551.85	530.13	21.72	25.403	
7,600.00	7,588.19	7,558.63	7,564.86	13.71	7.29	-45.69	501.92	-557.73	555.78	533.90	21.89	25.394	
7,700.00	7,688.19	7,645.03	7,651.09	13.79	7.38	-45.77	504.86	-561.94	561.59	539.53	22.06	25.460	
7,800.00	7,788.19	7,749.00	7,754.87	13.87	7.49	-45.69	509.84	-565.94	567.68	545.46	22.21	25.554	
7,900.00	7,888.19	7,849.07	7,854.75	13.94	7.58	-45.55	515.01	-569.15	573.59	551.21	22.37	25.637	
8,000.00	7,988.19	7,956.96	7,962.48	14.02	7.68	-45.39	519.94	-571.97	578.65	556.12	22.53	25.686	
8,100.00	8,088.19	8,055.19	8,060.61	14.09	7.77	-45.29	523.88	-574.47	583.28	560.59	22.69	25.705	
8,200.00	8,188.19	8,160.32	8,165.63	14.17	7.88	-45.23	527.50	-577.29	587.61	564.76	22.85	25.713	
8,300.00	8,288.19	8,264.41	8,269.66	14.25	7.99	-45.24	530.04	-579.95	591.15	568.13	23.02	25.681	
8,400.00	8,388.19	8,365.60	8,370.80	14.32	8.10	-45.27	531.92	-582.29	594.10	570.91	23.19	25.622	
8,500.00	8,488.19	8,465.30	8,470.47	14.40	8.21	-45.28	533.95	-584.45	597.07	573.71	23.36	25.563	
8,600.00	8,588.19	8,570.20	8,575.32	14.48	8.33	-45.31	535.68	-586.63	599.71	576.18	23.53	25.491	
8,700.00	8,688.19	8,678.60	8,683.70	14.55	8.45	-45.44	535.71	-588.63	601.03	577.35	23.69	25.374	
8,800.00	8,788.19	8,779.63	8,784.72	14.63	8.55	-45.59	535.04	-590.26	601.73	577.89	23.84	25.243	
8,900.00	8,888.19	8,877.78	8,882.84	14.71	8.65	-45.78	534.14	-592.16	602.47	578.48	23.99	25.117	
9,000.00	8,988.19	8,977.81	8,982.84	14.78	8.75	-46.02	533.05	-594.57	603.43	579.29	24.14	25.000	
9,100.00	9,088.19	9,077.33	9,082.32	14.86	8.81	-46.28	531.63	-597.18	604.34	580.07	24.27	24.901	
9,200.00	9,188.19	9,178.33	9,183.26	14.94	8.86	-46.60	529.89	-600.26	605.37	580.97	24.40	24.814	
9,300.00	9,288.19	9,347.01	9,345.67	15.02	8.92	-50.37	495.10	-620.60	600.28	575.60	24.68	24.322	
9,400.00	9,388.19	9,443.49	9,427.42	15.09	8.99	-55.24	450.82	-645.80	592.12	567.26	24.86	23.819	
9,496.59	9,484.78	9,520.13	9,484.78	15.17	9.08	-60.17	406.77	-670.93	588.52	563.51	25.01	23.532	
9,500.00	9,488.19	9,522.43	9,486.40	15.17	9.08	-60.33	405.35	-671.75	588.53	563.51	25.02	23.526	
9,600.00	9,588.19	9,607.32	9,543.13	15.25	9.22	-66.46	350.11	-702.28	592.80	567.55	25.25	23.474 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	3.00 usft
Rule Assigned:												Warning	
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	
9,700.00	9,688.19	9,700.12	9,602.25	15.32	9.41	-73.33	285.41	-732.75	603.61	578.07	25.54	23.634	
9,800.00	9,788.19	9,800.61	9,667.83	15.40	9.66	-80.48	214.62	-760.71	620.47	594.66	25.81	24.039	
9,900.00	9,888.19	9,875.65	9,716.42	15.48	9.88	-85.71	160.40	-778.75	643.44	617.16	26.28	24.484	
9,992.46	9,980.65	9,922.00	9,743.35	15.55	10.04	-89.07	124.20	-789.30	672.26	645.24	27.02	24.877	
10,000.00	9,988.19	9,922.00	9,743.35	15.55	10.04	-88.66	124.20	-789.30	674.96	647.78	27.18	24.833	
10,025.00	10,013.17	9,922.00	9,743.35	15.55	10.04	-87.43	124.20	-789.30	684.40	656.89	27.51	24.879	
10,050.00	10,038.05	9,935.56	9,750.73	15.56	10.09	-87.18	113.27	-792.46	694.31	666.60	27.71	25.053	
10,075.00	10,062.78	9,940.94	9,753.57	15.57	10.11	-86.22	108.88	-793.74	704.89	676.90	27.99	25.180	
10,100.00	10,087.28	9,945.46	9,755.92	15.57	10.13	-85.10	105.18	-794.83	716.05	687.77	28.28	25.320	
10,125.00	10,111.50	9,949.17	9,757.82	15.58	10.14	-83.83	102.13	-795.73	727.75	699.18	28.57	25.474	
10,150.00	10,135.35	9,952.10	9,759.30	15.59	10.15	-82.42	99.70	-796.45	739.96	711.10	28.86	25.642	
10,175.00	10,158.78	9,954.30	9,760.41	15.59	10.16	-80.86	97.88	-796.99	752.63	723.49	29.14	25.827	
10,200.00	10,181.72	9,955.81	9,761.17	15.60	10.16	-79.18	96.62	-797.37	765.73	736.31	29.42	26.027	
10,225.00	10,204.11	9,969.00	9,767.57	15.61	10.21	-78.46	85.58	-800.68	779.41	749.85	29.56	26.364	
10,250.00	10,225.88	9,969.00	9,767.57	15.62	10.21	-76.52	85.58	-800.68	793.20	763.37	29.83	26.595	
10,275.00	10,246.99	9,969.00	9,767.57	15.63	10.21	-74.54	85.58	-800.68	807.27	777.21	30.07	26.847	
10,300.00	10,267.36	9,969.00	9,767.57	15.64	10.21	-72.53	85.58	-800.68	821.59	791.29	30.29	27.121	
10,325.00	10,286.95	9,954.50	9,760.51	15.65	10.16	-69.31	97.71	-797.04	835.79	805.14	30.65	27.270	
10,350.00	10,305.70	9,952.70	9,759.61	15.66	10.15	-67.16	99.20	-796.60	850.35	819.50	30.85	27.563	
10,375.00	10,323.56	9,950.48	9,758.49	15.68	10.14	-65.01	101.04	-796.05	864.97	833.93	31.04	27.870	
10,400.00	10,340.48	9,947.85	9,757.15	15.69	10.14	-62.86	103.21	-795.41	879.60	848.39	31.20	28.188	
10,425.00	10,356.41	9,944.84	9,755.60	15.70	10.12	-60.74	105.69	-794.68	894.19	862.83	31.36	28.518	
10,450.00	10,371.31	9,941.47	9,753.85	15.72	10.11	-58.66	108.45	-793.87	908.69	877.20	31.49	28.857	
10,475.00	10,385.14	9,937.77	9,751.91	15.74	10.10	-56.63	111.47	-792.98	923.06	891.45	31.60	29.206	
10,500.00	10,397.87	9,922.00	9,743.35	15.75	10.04	-53.94	124.20	-789.30	937.45	905.62	31.83	29.455	
10,525.00	10,409.45	9,922.00	9,743.35	15.77	10.04	-52.34	124.20	-789.30	951.30	919.44	31.86	29.856	
10,550.00	10,419.85	9,922.00	9,743.35	15.79	10.04	-50.81	124.20	-789.30	964.95	933.07	31.88	30.268	
10,575.00	10,429.05	9,922.00	9,743.35	15.81	10.04	-49.35	124.20	-789.30	978.35	946.48	31.88	30.691	
10,600.00	10,437.02	9,922.00	9,743.35	15.84	10.04	-47.96	124.20	-789.30	991.50	959.64	31.86	31.124	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 3.00 usft
Rule Assigned:													Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
0.00	0.00	0.00	13.60	0.00	3.00	-25.89	702.80	-341.10	781.32				
100.00	100.00	86.40	100.00	0.77	3.00	-25.89	702.80	-341.10	781.20	776.40	4.80	162.787	
200.00	200.00	186.40	200.00	1.44	3.00	-25.89	702.80	-341.10	781.20	776.08	5.12	152.474	
300.00	300.00	286.40	300.00	1.88	3.01	-25.89	702.80	-341.10	781.20	775.77	5.44	143.723	
400.00	400.00	386.40	400.00	2.25	3.03	-25.89	702.80	-341.10	781.20	775.47	5.74	136.170	
500.00	500.00	486.40	500.00	2.56	3.05	-25.89	702.80	-341.10	781.20	775.17	6.03	129.560	
600.00	600.00	586.40	600.00	2.84	3.08	-25.89	702.80	-341.10	781.20	774.89	6.31	123.708	
700.00	700.00	686.40	700.00	3.10	3.11	-25.89	702.80	-341.10	781.20	774.61	6.59	118.476	
800.00	800.00	786.40	800.00	3.34	3.15	-25.89	702.80	-341.10	781.20	774.34	6.87	113.762	
900.00	900.00	886.40	900.00	3.57	3.19	-25.89	702.80	-341.10	781.20	774.07	7.14	109.483	
1,000.00	1,000.00	986.40	1,000.00	3.79	3.24	-25.89	702.80	-341.10	781.20	773.80	7.40	105.576	
1,100.00	1,100.00	1,086.40	1,100.00	3.99	3.29	-25.89	702.80	-341.10	781.20	773.54	7.66	101.989	
1,200.00	1,200.00	1,186.40	1,200.00	4.19	3.35	-25.89	702.80	-341.10	781.20	773.29	7.92	98.681	
1,300.00	1,300.00	1,286.40	1,300.00	4.38	3.41	-25.89	702.80	-341.10	781.20	773.03	8.17	95.617	
1,400.00	1,400.00	1,386.40	1,400.00	4.56	3.47	-25.89	702.80	-341.10	781.20	772.78	8.42	92.768	
1,500.00	1,500.00	1,486.40	1,500.00	4.74	3.54	-25.89	702.80	-341.10	781.20	772.53	8.67	90.111	
1,600.00	1,600.00	1,586.40	1,600.00	4.91	3.61	-25.89	702.80	-341.10	781.20	772.29	8.92	87.624	
1,700.00	1,700.00	1,686.40	1,700.00	5.08	3.69	-25.89	702.80	-341.10	781.20	772.04	9.16	85.290	
1,800.00	1,800.00	1,786.40	1,800.00	5.24	3.76	-25.89	702.80	-341.10	781.20	771.80	9.40	83.095	
1,900.00	1,900.00	1,886.40	1,900.00	5.40	3.84	-25.89	702.80	-341.10	781.20	771.56	9.64	81.025	
2,000.00	2,000.00	1,986.40	2,000.00	5.56	3.93	-25.89	702.80	-341.10	781.20	771.32	9.88	79.069	
2,100.00	2,099.98	2,086.38	2,099.98	5.79	4.01	28.78	702.80	-341.10	779.67	769.49	10.18	76.566	
2,200.00	2,199.84	2,186.24	2,199.84	6.01	4.10	29.02	702.80	-341.10	775.09	764.61	10.48	73.940	
2,300.00	2,299.45	2,285.85	2,299.45	6.26	4.19	29.41	702.80	-341.10	767.47	756.68	10.80	71.071	
2,400.08	2,398.78	2,385.18	2,398.78	6.52	4.29	29.96	702.80	-341.10	756.86	745.72	11.13	67.976	
2,500.00	2,497.73	2,484.13	2,497.73	6.73	4.38	30.50	702.80	-341.10	744.81	733.39	11.42	65.219	
2,600.00	2,596.75	2,592.69	2,606.28	6.95	4.45	31.21	702.80	-339.60	732.28	720.58	11.70	62.592	
2,700.00	2,695.78	2,701.92	2,715.35	7.20	4.49	32.26	702.80	-333.99	718.39	706.44	11.95	60.099	
2,800.00	2,794.81	2,804.25	2,817.32	7.46	4.53	33.53	702.80	-325.47	703.54	691.32	12.22	57.571	
2,900.00	2,893.83	2,901.91	2,914.61	7.74	4.56	34.82	702.80	-316.96	688.90	676.40	12.50	55.110	
3,000.00	2,992.86	2,999.57	3,011.90	8.03	4.60	36.17	702.80	-308.45	674.62	661.83	12.79	52.755	
3,100.00	3,091.89	3,097.23	3,109.19	8.34	4.65	37.57	702.80	-299.94	660.73	647.65	13.08	50.515	
3,200.00	3,190.91	3,194.89	3,206.48	8.65	4.69	39.03	702.80	-291.42	647.27	633.89	13.37	48.397	
3,212.64	3,203.43	3,207.23	3,218.78	8.68	4.70	39.22	702.80	-290.35	645.59	632.19	13.40	48.179	
3,300.00	3,290.03	3,292.69	3,303.90	8.98	4.74	40.45	702.80	-282.90	634.74	621.07	13.67	46.420	
3,400.00	3,389.36	3,390.82	3,401.66	9.30	4.80	41.81	702.80	-274.35	623.95	609.99	13.96	44.707	
3,500.00	3,488.88	3,489.26	3,499.73	9.62	4.85	43.13	702.80	-265.77	614.83	600.60	14.23	43.210	
3,600.00	3,588.55	3,587.98	3,598.07	9.94	4.91	44.39	702.80	-257.16	607.33	592.84	14.49	41.914	
3,700.00	3,688.35	3,686.95	3,696.67	10.24	4.98	45.57	702.80	-248.54	601.37	586.63	14.74	40.805	
3,800.00	3,788.24	3,786.14	3,795.48	10.53	5.04	46.67	702.80	-239.89	596.89	581.92	14.97	39.871	
3,900.00	3,888.20	3,885.51	3,894.47	10.80	5.11	47.67	702.80	-231.23	593.83	578.64	15.19	39.106	
4,000.00	3,988.19	3,985.05	3,993.63	11.02	5.18	48.57	702.80	-222.56	592.11	576.74	15.37	38.533	
4,012.81	4,001.00	3,997.81	4,006.34	11.02	5.19	-5.92	702.80	-221.45	591.98	576.61	15.37	38.511	
4,100.00	4,088.19	4,084.67	4,092.87	11.10	5.25	-5.19	702.80	-213.87	591.24	575.77	15.47	38.223	
4,200.00	4,188.19	4,184.29	4,192.11	11.17	5.33	-4.35	702.80	-205.19	590.51	574.95	15.56	37.948	
4,300.00	4,288.19	4,283.90	4,291.35	11.25	5.41	-3.51	702.80	-196.51	589.91	574.26	15.66	37.679	
4,400.00	4,388.19	4,383.52	4,390.59	11.32	5.48	-2.67	702.80	-187.83	589.44	573.69	15.75	37.416	
4,500.00	4,488.19	4,483.14	4,489.83	11.39	5.57	-1.82	702.80	-179.15	589.10	573.25	15.85	37.158	
4,600.00	4,588.19	4,582.76	4,589.07	11.47	5.65	-0.98	702.80	-170.46	588.89	572.93	15.96	36.905	
4,700.00	4,688.19	4,682.38	4,688.31	11.54	5.74	-0.13	702.80	-161.78	588.80	572.74	16.06	36.658	
4,715.90	4,704.09	4,698.22	4,704.09	11.55	5.75	0.00	702.80	-160.40	588.80	572.72	16.08	36.619	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			No-Go Distance (usft)	
4,800.00	4,788.19	4,782.00	4,787.55	11.61	5.82	0.71	702.80	-153.10	588.85	572.68	16.17	36.415		
4,900.00	4,888.19	4,881.62	4,886.79	11.69	5.91	1.56	702.80	-144.42	589.02	572.74	16.28	36.178		
5,000.00	4,988.19	4,981.24	4,986.03	11.76	6.00	2.40	702.80	-135.73	589.32	572.93	16.39	35.946		
5,100.00	5,088.19	5,080.86	5,085.27	11.84	6.09	3.24	702.80	-127.05	589.75	573.24	16.51	35.718		
5,200.00	5,188.19	5,180.48	5,184.51	11.91	6.19	4.08	702.80	-118.37	590.31	573.68	16.63	35.496		
5,300.00	5,288.19	5,280.10	5,283.75	11.98	6.28	4.92	702.80	-109.69	591.00	574.24	16.75	35.278		
5,400.00	5,388.19	5,379.72	5,382.99	12.06	6.38	5.76	702.80	-101.00	591.81	574.93	16.88	35.065		
5,500.00	5,488.19	5,479.34	5,482.24	12.13	6.47	6.60	702.80	-92.32	592.75	575.75	17.01	34.857		
5,600.00	5,588.19	5,578.96	5,581.48	12.21	6.57	7.43	702.80	-83.64	593.82	576.68	17.14	34.654		
5,700.00	5,688.19	5,678.58	5,680.72	12.28	6.67	8.26	702.80	-74.96	595.01	577.74	17.27	34.455		
5,800.00	5,788.19	5,778.20	5,779.96	12.36	6.77	9.08	702.80	-66.27	596.33	578.93	17.41	34.260		
5,900.00	5,888.19	5,877.82	5,879.20	12.43	6.87	9.90	702.80	-57.59	597.78	580.23	17.55	34.071		
6,000.00	5,988.19	5,977.44	5,978.44	12.51	6.97	10.72	702.80	-48.91	599.34	581.65	17.69	33.885		
6,100.00	6,088.19	6,077.06	6,077.68	12.58	7.08	11.54	702.80	-40.23	601.03	583.20	17.83	33.704		
6,200.00	6,188.19	6,176.67	6,176.92	12.66	7.18	12.34	702.80	-31.54	602.84	584.86	17.98	33.528		
6,300.00	6,288.19	6,276.29	6,276.16	12.73	7.29	13.15	702.80	-22.86	604.77	586.64	18.13	33.356		
6,400.00	6,388.19	6,375.91	6,375.40	12.81	7.39	13.95	702.80	-14.18	606.82	588.54	18.28	33.188		
6,500.00	6,488.19	6,475.53	6,474.64	12.88	7.50	14.74	702.80	-5.50	608.99	590.55	18.44	33.025		
6,600.00	6,588.19	6,575.15	6,573.88	12.96	7.61	15.53	702.80	3.19	611.27	592.67	18.60	32.866		
6,700.00	6,688.19	6,674.77	6,673.12	13.03	7.71	16.31	702.80	11.87	613.67	594.91	18.76	32.711		
6,800.00	6,788.19	6,774.39	6,772.36	13.11	7.82	17.08	702.80	20.55	616.18	597.26	18.92	32.561		
6,900.00	6,888.19	6,874.01	6,871.60	13.18	7.93	17.85	702.80	29.23	618.81	599.72	19.09	32.415		
7,000.00	6,988.19	6,973.63	6,970.84	13.26	8.04	18.61	702.80	37.92	621.54	602.28	19.26	32.273		
7,100.00	7,088.19	7,073.25	7,070.08	13.33	8.15	19.37	702.80	46.60	624.39	604.96	19.43	32.135		
7,200.00	7,188.19	7,172.87	7,169.32	13.41	8.26	20.12	702.80	55.28	627.34	607.74	19.60	32.001		
7,300.00	7,288.19	7,272.49	7,268.56	13.49	8.38	20.86	702.80	63.96	630.40	610.62	19.78	31.872		
7,400.00	7,388.19	7,372.11	7,367.80	13.56	8.49	21.59	702.80	72.64	633.57	613.61	19.96	31.746		
7,500.00	7,488.19	7,471.73	7,467.04	13.64	8.60	22.32	702.80	81.33	636.84	616.70	20.14	31.625		
7,600.00	7,588.19	7,571.35	7,566.28	13.71	8.72	23.04	702.80	90.01	640.21	619.89	20.32	31.507		
7,700.00	7,688.19	7,670.97	7,665.52	13.79	8.83	23.75	702.80	98.69	643.68	623.18	20.50	31.394		
7,800.00	7,788.19	7,770.59	7,764.76	13.87	8.94	24.46	702.80	107.37	647.25	626.56	20.69	31.284		
7,900.00	7,888.19	7,870.21	7,864.04	13.94	9.06	25.15	702.80	116.06	650.92	630.04	20.88	31.178		
8,000.00	7,988.19	7,969.83	7,963.24	14.02	9.17	25.84	702.80	124.74	654.68	633.62	21.07	31.076		
8,100.00	8,088.19	8,069.44	8,062.49	14.09	9.29	26.52	702.80	133.42	658.54	637.28	21.26	30.977		
8,200.00	8,188.19	8,169.06	8,161.73	14.17	9.41	27.19	702.80	142.10	662.49	641.04	21.45	30.883		
8,300.00	8,288.19	8,268.68	8,260.97	14.25	9.52	27.86	702.80	150.79	666.53	644.88	21.65	30.792		
8,400.00	8,388.19	8,368.30	8,360.21	14.32	9.64	28.51	702.80	159.47	670.66	648.82	21.84	30.704		
8,500.00	8,488.19	8,467.92	8,459.45	14.40	9.76	29.16	702.80	168.15	674.88	652.84	22.04	30.620		
8,600.00	8,588.19	8,567.54	8,558.69	14.48	9.88	29.80	702.80	176.83	679.18	656.94	22.24	30.540		
8,700.00	8,688.19	8,667.16	8,657.93	14.55	9.99	30.43	702.80	185.52	683.56	661.12	22.44	30.462		
8,800.00	8,788.19	8,766.78	8,757.17	14.63	10.11	31.06	702.80	194.20	688.03	665.39	22.64	30.389		
8,900.00	8,888.19	8,866.40	8,856.41	14.71	10.23	31.67	702.80	202.88	692.58	669.74	22.84	30.318		
9,000.00	8,988.19	8,966.02	8,955.65	14.78	10.35	32.28	702.80	211.56	697.21	674.16	23.05	30.250		
9,100.00	9,088.19	9,065.64	9,054.89	14.86	10.47	32.88	702.80	220.25	701.92	678.66	23.25	30.186		
9,200.00	9,188.19	9,165.26	9,154.13	14.94	10.59	33.47	702.80	228.93	706.70	683.24	23.46	30.125		
9,300.00	9,288.19	9,264.88	9,253.37	15.02	10.71	34.06	702.80	237.61	711.55	687.89	23.67	30.066		
9,400.00	9,388.19	9,364.50	9,352.61	15.09	10.83	34.63	702.80	246.29	716.48	692.61	23.87	30.011		
9,500.00	9,488.19	9,464.12	9,451.85	15.17	10.95	35.20	702.80	254.98	721.49	697.40	24.08	29.958		
9,600.00	9,588.19	9,563.74	9,551.09	15.25	11.07	35.76	702.80	263.66	726.56	702.27	24.29	29.909		
9,700.00	9,688.19	9,663.36	9,650.33	15.32	11.20	36.31	702.80	272.34	731.70	707.20	24.50	29.861		
9,800.00	9,788.19	9,762.98	9,749.57	15.40	11.32	36.86	702.80	281.02	736.91	712.19	24.71	29.817		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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
9,900.00	9,888.19	9,862.59	9,848.81	15.48	11.44	37.40	702.80	289.70	742.18	717.25	24.93	29.775	
9,992.46	9,980.65	9,954.70	9,940.57	15.55	11.55	37.89	702.80	297.73	747.11	722.00	25.12	29.745	
10,000.00	9,988.19	9,962.21	9,948.05	15.55	11.56	37.97	702.80	298.39	747.47	722.35	25.12	29.750	
10,025.00	10,013.17	9,987.09	9,972.84	15.55	11.59	38.11	702.80	300.56	747.99	722.82	25.17	29.722	
10,050.00	10,038.05	10,011.89	9,997.53	15.56	11.62	38.39	702.80	302.72	747.49	722.28	25.21	29.654	
10,075.00	10,062.78	10,036.52	10,022.07	15.57	11.65	38.80	702.80	304.86	745.98	720.73	25.25	29.543	
10,100.00	10,087.28	10,060.93	10,046.39	15.57	11.68	39.35	702.80	306.99	743.48	718.19	25.30	29.390	
10,125.00	10,111.50	10,085.05	10,070.42	15.58	11.71	40.05	702.80	309.09	740.02	714.67	25.35	29.198	
10,150.00	10,135.35	10,108.81	10,094.09	15.59	11.74	40.88	702.80	311.16	735.61	710.21	25.40	28.966	
10,175.00	10,158.78	10,132.15	10,117.34	15.59	11.77	41.86	702.80	313.20	730.30	704.85	25.45	28.697	
10,200.00	10,181.72	10,155.00	10,140.10	15.60	11.80	43.00	702.80	315.19	724.11	698.61	25.50	28.392	
10,225.00	10,204.11	10,177.30	10,162.32	15.61	11.83	44.28	702.80	317.13	717.10	691.54	25.56	28.054	
10,250.00	10,225.88	10,199.00	10,183.93	15.62	11.85	45.73	702.80	319.02	709.32	683.70	25.62	27.685	
10,275.00	10,246.99	10,220.02	10,204.88	15.63	11.88	47.33	702.80	320.86	700.82	675.14	25.68	27.287	
10,300.00	10,267.36	10,240.31	10,225.09	15.64	11.90	49.08	702.80	322.63	691.66	665.91	25.75	26.863	
10,325.00	10,286.95	10,259.83	10,244.53	15.65	11.93	50.99	702.80	324.33	681.90	656.09	25.81	26.416	
10,350.00	10,305.70	10,278.50	10,263.14	15.66	11.95	53.05	702.80	325.95	671.63	645.74	25.88	25.948	
10,375.00	10,323.56	10,306.57	10,291.06	15.68	11.99	55.93	702.18	328.67	660.78	634.83	25.95	25.466	
10,400.00	10,340.48	10,330.68	10,314.96	15.69	11.99	58.92	700.64	331.43	649.37	623.36	26.01	24.964	
10,425.00	10,356.41	10,350.97	10,334.98	15.70	11.99	61.90	698.63	334.05	637.62	611.53	26.09	24.444	
10,450.00	10,371.31	10,367.79	10,351.49	15.72	11.99	64.80	696.47	336.44	625.71	599.55	26.16	23.917	
10,475.00	10,385.14	10,381.49	10,364.87	15.74	12.00	67.56	694.37	338.52	613.81	587.57	26.24	23.393	
10,500.00	10,397.87	10,392.43	10,375.50	15.75	12.00	70.12	692.49	340.27	602.06	575.75	26.32	22.877	
10,525.00	10,409.45	10,400.93	10,383.73	15.77	12.00	72.45	690.90	341.68	590.62	564.22	26.40	22.374	
10,550.00	10,419.85	10,407.26	10,389.84	15.79	12.00	74.54	689.64	342.77	579.58	553.10	26.48	21.886	
10,575.00	10,429.05	10,411.68	10,394.09	15.81	12.00	76.37	688.72	343.54	569.06	542.49	26.57	21.418	
10,600.00	10,437.02	10,414.42	10,396.73	15.84	12.00	77.93	688.13	344.02	559.15	532.49	26.66	20.972	
10,625.00	10,443.74	10,415.68	10,397.93	15.86	12.00	79.23	687.86	344.25	549.93	523.17	26.76	20.550	
10,650.00	10,449.19	10,415.61	10,397.86	15.89	12.00	80.29	687.88	344.24	541.48	514.62	26.86	20.156	
10,675.00	10,453.36	10,414.37	10,396.67	15.92	12.00	81.10	688.15	344.01	533.86	506.88	26.97	19.792	
10,700.00	10,456.23	10,412.08	10,394.48	15.95	12.00	81.67	688.63	343.61	527.10	500.01	27.09	19.459	
10,725.00	10,457.80	10,408.86	10,391.38	15.98	12.00	82.03	689.31	343.05	521.25	494.05	27.20	19.162	
10,738.48	10,458.10	10,406.77	10,389.37	16.00	12.00	82.14	689.74	342.68	518.49	491.22	27.27	19.016	
10,800.00	10,458.61	10,400.00	10,382.83	16.09	12.00	81.39	691.08	341.53	509.98	482.44	27.54	18.517	
10,842.31	10,458.97	10,391.81	10,374.90	16.18	12.00	80.48	692.60	340.17	508.25	480.50	27.75	18.317 CC, ES	
10,900.00	10,459.45	10,384.96	10,368.25	16.30	12.00	79.72	693.80	339.07	511.45	483.47	27.97	18.285 SF	
11,000.00	10,460.28	10,374.92	10,358.46	16.55	11.99	78.60	695.41	337.51	531.72	503.47	28.25	18.822	
11,100.00	10,461.12	10,366.69	10,350.41	16.85	11.99	77.68	696.62	336.28	568.86	540.49	28.37	20.052	
11,200.00	10,461.95	10,350.00	10,334.03	17.20	11.99	75.83	698.74	333.92	620.06	591.61	28.45	21.795	
11,300.00	10,462.79	10,350.00	10,334.03	17.60	11.99	75.83	698.74	333.92	681.80	653.47	28.33	24.065	
11,400.00	10,463.62	10,350.00	10,334.03	18.03	11.99	75.83	698.74	333.92	751.81	723.61	28.20	26.660	
11,500.00	10,464.45	10,350.00	10,334.03	18.50	11.99	75.83	698.74	333.92	828.01	799.94	28.08	29.493	
11,600.00	10,465.29	10,350.00	10,334.03	19.00	11.99	75.83	698.74	333.92	908.83	880.86	27.97	32.495	
11,700.00	10,466.12	10,350.00	10,334.03	19.52	11.99	75.83	698.74	333.92	993.15	965.27	27.88	35.621	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 3.00 usft
Reference													Rule Assigned:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	13.70	0.00	3.00	-27.84	702.60	-371.00	794.65				
100.00	100.00	86.30	100.00	0.77	3.00	-27.84	702.60	-371.00	794.54	789.74	4.80	165.566	
200.00	200.00	186.30	200.00	1.44	3.00	-27.84	702.60	-371.00	794.54	789.41	5.12	155.080	
300.00	300.00	286.30	300.00	1.88	3.01	-27.84	702.60	-371.00	794.54	789.10	5.44	146.186	
400.00	400.00	386.30	400.00	2.25	3.03	-27.84	702.60	-371.00	794.54	788.80	5.74	138.511	
500.00	500.00	486.30	500.00	2.56	3.05	-27.84	702.60	-371.00	794.54	788.51	6.03	131.795	
600.00	600.00	586.30	600.00	2.84	3.08	-27.84	702.60	-371.00	794.54	788.22	6.31	125.851	
700.00	700.00	686.30	700.00	3.10	3.11	-27.84	702.60	-371.00	794.54	787.94	6.59	120.538	
800.00	800.00	786.30	800.00	3.34	3.15	-27.84	702.60	-371.00	794.54	787.67	6.86	115.750	
900.00	900.00	886.30	900.00	3.57	3.19	-27.84	702.60	-371.00	794.54	787.40	7.13	111.405	
1,000.00	1,000.00	986.30	1,000.00	3.79	3.24	-27.84	702.60	-371.00	794.54	787.14	7.40	107.438	
1,100.00	1,100.00	1,086.30	1,100.00	3.99	3.29	-27.84	702.60	-371.00	794.54	786.88	7.65	103.796	
1,200.00	1,200.00	1,186.30	1,200.00	4.19	3.35	-27.84	702.60	-371.00	794.54	786.63	7.91	100.438	
1,300.00	1,300.00	1,286.30	1,300.00	4.38	3.41	-27.84	702.60	-371.00	794.54	786.37	8.16	97.327	
1,400.00	1,400.00	1,386.30	1,400.00	4.56	3.47	-27.84	702.60	-371.00	794.54	786.12	8.41	94.435	
1,500.00	1,500.00	1,486.30	1,500.00	4.74	3.54	-27.84	702.60	-371.00	794.54	785.88	8.66	91.736	
1,600.00	1,600.00	1,586.30	1,600.00	4.91	3.61	-27.84	702.60	-371.00	794.54	785.63	8.91	89.212	
1,700.00	1,700.00	1,686.30	1,700.00	5.08	3.69	-27.84	702.60	-371.00	794.54	785.39	9.15	86.843	
1,800.00	1,800.00	1,786.30	1,800.00	5.24	3.76	-27.84	702.60	-371.00	794.54	785.15	9.39	84.614	
1,900.00	1,900.00	1,886.30	1,900.00	5.40	3.84	-27.84	702.60	-371.00	794.54	784.91	9.63	82.512	
2,000.00	2,000.00	1,986.30	2,000.00	5.56	3.93	-27.84	702.60	-371.00	794.54	784.67	9.87	80.526	
2,100.00	2,099.98	2,086.28	2,099.98	5.79	4.01	26.83	702.60	-371.00	792.98	782.81	10.17	77.959	
2,200.00	2,199.84	2,186.14	2,199.84	6.01	4.10	27.05	702.60	-371.00	788.31	777.84	10.47	75.266	
2,300.00	2,299.45	2,285.75	2,299.45	6.26	4.19	27.41	702.60	-371.00	780.56	769.76	10.79	72.322	
2,400.08	2,398.78	2,385.08	2,398.78	6.52	4.29	27.93	702.60	-371.00	769.73	758.60	11.13	69.146	
2,500.00	2,497.73	2,484.03	2,497.73	6.73	4.38	28.42	702.60	-371.00	757.45	746.03	11.42	66.325	
2,600.00	2,596.75	2,583.05	2,596.75	6.95	4.48	28.93	702.60	-371.00	745.21	733.48	11.73	63.544	
2,700.00	2,695.78	2,682.08	2,695.78	7.20	4.57	29.45	702.60	-371.00	733.03	720.97	12.05	60.818	
2,800.00	2,794.81	2,781.11	2,794.81	7.46	4.67	30.00	702.60	-371.00	720.91	708.51	12.39	58.164	
2,900.00	2,893.83	2,880.13	2,893.83	7.74	4.77	30.56	702.60	-371.00	708.86	696.11	12.75	55.598	
3,000.00	2,992.86	2,979.16	2,992.86	8.03	4.88	31.14	702.60	-371.00	696.88	683.76	13.12	53.128	
3,100.00	3,091.89	3,078.19	3,091.89	8.34	4.98	31.74	702.60	-371.00	684.97	671.47	13.49	50.760	
3,200.00	3,190.91	3,177.21	3,190.91	8.65	5.09	32.36	702.60	-371.00	673.14	659.26	13.88	48.498	
3,212.64	3,203.43	3,189.73	3,203.43	8.68	5.10	32.44	702.60	-371.00	671.65	657.73	13.92	48.257	
3,300.00	3,290.03	3,276.33	3,290.03	8.98	5.19	32.92	702.60	-371.00	661.94	647.66	14.28	46.361	
3,400.00	3,389.36	3,375.66	3,389.36	9.30	5.30	33.42	702.60	-371.00	652.26	637.59	14.67	44.474	
3,500.00	3,488.88	3,475.18	3,488.88	9.62	5.41	33.85	702.60	-371.00	644.08	629.03	15.05	42.794	
3,600.00	3,588.55	3,574.85	3,588.55	9.94	5.52	34.22	702.60	-371.00	637.39	621.96	15.43	41.309	
3,700.00	3,688.35	3,674.65	3,688.35	10.24	5.63	34.51	702.60	-371.00	632.16	616.36	15.80	40.008	
3,800.00	3,788.24	3,774.54	3,788.24	10.53	5.74	34.72	702.60	-371.00	628.39	612.23	16.16	38.886	
3,900.00	3,888.20	3,874.50	3,888.20	10.80	5.85	34.86	702.60	-371.00	626.05	609.55	16.50	37.942	
4,000.00	3,988.19	3,974.49	3,988.19	11.02	5.97	34.91	702.60	-371.00	625.15	608.36	16.80	37.215	
4,012.81	4,001.00	3,987.30	4,001.00	11.02	5.98	-19.69	702.60	-371.00	625.14	608.32	16.82	37.173	
4,100.00	4,088.19	4,074.49	4,088.19	11.10	6.08	-19.69	702.60	-371.00	625.14	608.16	16.98	36.809	
4,200.00	4,188.19	4,174.49	4,188.19	11.17	6.20	-19.69	702.60	-371.00	625.14	607.99	17.16	36.438	
4,300.00	4,288.19	4,274.49	4,288.19	11.25	6.31	-19.69	702.60	-371.00	625.14	607.81	17.33	36.073	
4,400.00	4,388.19	4,374.49	4,388.19	11.32	6.43	-19.69	702.60	-371.00	625.14	607.64	17.50	35.713	
4,500.00	4,488.19	4,474.49	4,488.19	11.39	6.54	-19.69	702.60	-371.00	625.14	607.46	17.68	35.359	
4,600.00	4,588.19	4,574.49	4,588.19	11.47	6.66	-19.69	702.60	-371.00	625.14	607.29	17.86	35.010	
4,700.00	4,688.19	4,674.49	4,688.19	11.54	6.78	-19.69	702.60	-371.00	625.14	607.11	18.03	34.667	
4,800.00	4,788.19	4,774.49	4,788.19	11.61	6.90	-19.69	702.60	-371.00	625.14	606.93	18.21	34.329	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	3.00 usft
Rule Assigned:												Warning	
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)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
4,900.00	4,888.19	4,874.49	4,888.19	11.69	7.02	-19.69	702.60	-371.00	625.14	606.75	18.39	33.996	
5,000.00	4,988.19	4,974.49	4,988.19	11.76	7.14	-19.69	702.60	-371.00	625.14	606.57	18.57	33.669	
5,100.00	5,088.19	5,074.49	5,088.19	11.84	7.26	-19.69	702.60	-371.00	625.14	606.39	18.75	33.346	
5,200.00	5,188.19	5,174.49	5,188.19	11.91	7.38	-19.69	702.60	-371.00	625.14	606.21	18.93	33.029	
5,300.00	5,288.19	5,274.49	5,288.19	11.98	7.50	-19.69	702.60	-371.00	625.14	606.03	19.11	32.716	
5,400.00	5,388.19	5,374.49	5,388.19	12.06	7.62	-19.69	702.60	-371.00	625.14	605.85	19.29	32.409	
5,500.00	5,488.19	5,474.49	5,488.19	12.13	7.74	-19.69	702.60	-371.00	625.14	605.67	19.47	32.106	
5,600.00	5,588.19	5,570.90	5,584.60	12.21	7.84	-19.61	703.08	-370.26	625.36	605.72	19.64	31.845	
5,700.00	5,688.19	5,665.93	5,679.54	12.28	7.93	-19.26	705.22	-366.97	626.33	606.56	19.77	31.676	
5,800.00	5,788.19	5,763.82	5,777.19	12.36	8.01	-18.67	708.85	-361.39	627.99	608.09	19.90	31.563	
5,900.00	5,888.19	5,863.57	5,876.70	12.43	8.09	-18.05	712.68	-355.50	629.77	609.75	20.02	31.457	
6,000.00	5,988.19	5,963.32	5,976.20	12.51	8.17	-17.43	716.51	-349.61	631.64	611.49	20.15	31.354	
6,100.00	6,088.19	6,063.07	6,075.71	12.58	8.26	-16.82	720.34	-343.73	633.57	613.30	20.27	31.254	
6,200.00	6,188.19	6,162.82	6,175.21	12.66	8.34	-16.22	724.17	-337.84	635.58	615.18	20.40	31.155	
6,300.00	6,288.19	6,262.58	6,274.72	12.73	8.43	-15.61	727.99	-331.96	637.65	617.12	20.53	31.059	
6,400.00	6,388.19	6,362.33	6,374.22	12.81	8.52	-15.01	731.82	-326.07	639.80	619.14	20.66	30.966	
6,500.00	6,488.19	6,462.08	6,473.73	12.88	8.61	-14.42	735.65	-320.19	642.02	621.23	20.79	30.875	
6,600.00	6,588.19	6,561.83	6,573.23	12.96	8.70	-13.82	739.48	-314.30	644.31	623.38	20.93	30.785	
6,700.00	6,688.19	6,661.58	6,672.74	13.03	8.79	-13.24	743.31	-308.42	646.66	625.60	21.06	30.699	
6,800.00	6,788.19	6,761.34	6,772.24	13.11	8.89	-12.65	747.13	-302.53	649.09	627.88	21.20	30.614	
6,900.00	6,888.19	6,861.09	6,871.75	13.18	8.98	-12.07	750.96	-296.65	651.58	630.24	21.34	30.531	
7,000.00	6,988.19	6,960.84	6,971.25	13.26	9.08	-11.50	754.79	-290.76	654.13	632.65	21.48	30.450	
7,100.00	7,088.19	7,060.59	7,070.75	13.33	9.17	-10.93	758.62	-284.88	656.76	635.13	21.62	30.371	
7,200.00	7,188.19	7,160.34	7,170.26	13.41	9.27	-10.36	762.45	-278.99	659.44	637.68	21.77	30.294	
7,300.00	7,288.19	7,260.10	7,269.76	13.49	9.37	-9.80	766.27	-273.11	662.20	640.28	21.91	30.219	
7,400.00	7,388.19	7,359.85	7,369.27	13.56	9.46	-9.25	770.10	-267.22	665.01	642.95	22.06	30.145	
7,500.00	7,488.19	7,459.60	7,468.77	13.64	9.56	-8.70	773.93	-261.34	667.89	645.68	22.21	30.074	
7,600.00	7,588.19	7,559.35	7,568.28	13.71	9.66	-8.15	777.76	-255.45	670.82	648.47	22.36	30.004	
7,700.00	7,688.19	7,659.10	7,667.78	13.79	9.76	-7.61	781.59	-249.56	673.82	651.31	22.51	29.936	
7,800.00	7,788.19	7,758.86	7,767.29	13.87	9.86	-7.07	785.41	-243.68	676.88	654.22	22.66	29.869	
7,900.00	7,888.19	7,858.61	7,866.79	13.94	9.97	-6.54	789.24	-237.79	680.00	657.18	22.82	29.804	
8,000.00	7,988.19	7,958.36	7,966.30	14.02	10.07	-6.01	793.07	-231.91	683.18	660.20	22.97	29.741	
8,100.00	8,088.19	8,058.11	8,065.80	14.09	10.17	-5.49	796.90	-226.02	686.41	663.28	23.13	29.679	
8,200.00	8,188.19	8,157.86	8,165.31	14.17	10.28	-4.97	800.73	-220.14	689.70	666.41	23.29	29.619	
8,300.00	8,288.19	8,257.62	8,264.81	14.25	10.38	-4.46	804.55	-214.25	693.04	669.60	23.45	29.560	
8,400.00	8,388.19	8,357.37	8,364.32	14.32	10.49	-3.95	808.38	-208.37	696.45	672.84	23.61	29.503	
8,500.00	8,488.19	8,457.12	8,463.82	14.40	10.59	-3.45	812.21	-202.48	699.90	676.13	23.77	29.447	
8,600.00	8,588.19	8,556.87	8,563.32	14.48	10.70	-2.95	816.04	-196.60	703.41	679.48	23.93	29.392	
8,700.00	8,688.19	8,656.62	8,662.83	14.55	10.81	-2.46	819.87	-190.71	706.97	682.87	24.10	29.339	
8,800.00	8,788.19	8,756.38	8,762.33	14.63	10.92	-1.97	823.69	-184.83	710.58	686.32	24.26	29.287	
8,900.00	8,888.19	8,856.13	8,861.84	14.71	11.02	-1.49	827.52	-178.94	714.25	689.82	24.43	29.236	
9,000.00	8,988.19	8,955.88	8,961.34	14.78	11.13	-1.01	831.35	-173.06	717.96	693.36	24.60	29.187	
9,100.00	9,088.19	9,055.63	9,060.85	14.86	11.24	-0.54	835.18	-167.17	721.73	696.96	24.77	29.139	
9,200.00	9,188.19	9,155.38	9,160.35	14.94	11.35	-0.07	839.01	-161.28	725.54	700.60	24.94	29.092	
9,300.00	9,288.19	9,255.14	9,259.86	15.02	11.46	0.39	842.83	-155.40	729.40	704.29	25.11	29.047	
9,400.00	9,388.19	9,354.89	9,359.36	15.09	11.57	0.85	846.66	-149.51	733.31	708.02	25.28	29.002	
9,500.00	9,488.19	9,454.64	9,458.87	15.17	11.68	1.30	850.49	-143.63	737.26	711.80	25.46	28.959	
9,600.00	9,588.19	9,554.39	9,558.37	15.25	11.79	1.75	854.32	-137.74	741.26	715.63	25.63	28.917	
9,700.00	9,688.19	9,654.14	9,657.88	15.32	11.91	2.20	858.15	-131.86	745.31	719.50	25.81	28.876	
9,800.00	9,788.19	9,753.90	9,757.38	15.40	12.02	2.64	861.97	-125.97	749.40	723.41	25.99	28.836	
9,900.00	9,888.19	9,853.65	9,856.88	15.48	12.13	3.07	865.80	-120.09	753.53	727.37	26.17	28.797	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error:	3.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
9,992.46	9,980.65	9,945.88	9,948.89	15.55	12.24	3.47	869.34	-114.65	757.39	731.06	26.33	28.768		
10,000.00	9,988.19	9,953.40	9,956.39	15.55	12.25	3.56	869.63	-114.20	757.65	731.31	26.34	28.767		
10,025.00	10,013.17	9,978.36	9,981.28	15.55	12.27	3.68	870.59	-112.73	757.65	731.28	26.37	28.728		
10,050.00	10,038.05	10,003.27	10,006.14	15.56	12.30	3.80	871.54	-111.26	756.35	729.95	26.41	28.643		
10,075.00	10,062.78	11,309.63	10,792.39	15.57	13.42	142.57	116.44	-60.72	736.40	695.28	41.12	17.909		
10,100.00	10,087.28	11,304.52	10,792.42	15.57	13.41	148.40	121.56	-60.75	712.16	671.00	41.17	17.300		
10,125.00	10,111.50	11,298.13	10,792.47	15.58	13.40	152.44	127.95	-60.78	688.24	647.03	41.21	16.701		
10,150.00	10,135.35	11,290.48	10,792.52	15.59	13.39	155.34	135.59	-60.81	664.69	623.45	41.25	16.115		
10,175.00	10,158.78	11,281.60	10,792.59	15.59	13.37	157.49	144.47	-60.85	641.60	600.32	41.28	15.542		
10,200.00	10,181.72	11,271.51	10,792.66	15.60	13.36	159.11	154.56	-60.90	619.01	577.70	41.31	14.984		
10,225.00	10,204.11	11,260.24	10,792.74	15.61	13.34	160.36	165.84	-60.95	596.99	555.66	41.33	14.444		
10,250.00	10,225.88	11,247.81	10,792.82	15.62	13.33	161.33	178.26	-61.01	575.61	534.26	41.35	13.920		
10,275.00	10,246.99	11,234.27	10,792.92	15.63	13.31	162.08	191.80	-61.08	554.92	513.56	41.36	13.417		
10,300.00	10,267.36	11,219.64	10,793.02	15.64	13.29	162.67	206.43	-61.15	534.98	493.61	41.37	12.933		
10,325.00	10,286.95	11,203.98	10,793.13	15.65	13.27	163.12	222.10	-61.22	515.84	474.48	41.36	12.471		
10,350.00	10,305.70	11,187.31	10,793.25	15.66	13.25	163.46	238.76	-61.30	497.56	456.20	41.36	12.030		
10,375.00	10,323.56	11,169.70	10,793.37	15.68	13.23	163.71	256.37	-61.38	480.18	438.83	41.35	11.612		
10,400.00	10,340.48	11,151.18	10,793.50	15.69	13.22	163.89	274.89	-61.47	463.75	422.42	41.34	11.219		
10,425.00	10,356.41	11,131.80	10,793.64	15.70	13.20	164.02	294.27	-61.56	448.32	407.00	41.32	10.851		
10,450.00	10,371.31	11,076.90	10,792.14	15.72	13.14	163.14	349.13	-61.93	433.44	392.26	41.19	10.524		
10,475.00	10,385.14	11,007.06	10,782.75	15.74	13.07	161.59	418.28	-62.84	417.30	376.57	40.73	10.245		
10,500.00	10,397.87	10,947.65	10,768.20	15.75	13.01	160.07	475.84	-64.00	400.10	360.00	40.10	9.977		
10,525.00	10,409.45	10,896.32	10,750.90	15.77	12.96	158.60	524.14	-65.28	382.18	342.79	39.39	9.703		
10,550.00	10,419.85	10,851.22	10,732.19	15.79	12.91	157.18	565.14	-66.60	363.77	325.13	38.64	9.414		
10,575.00	10,429.05	10,789.86	10,701.38	15.81	12.84	154.12	618.11	-68.70	344.97	307.79	37.19	9.277		
10,600.00	10,437.02	10,774.59	10,693.22	15.84	12.83	154.46	631.00	-69.25	326.16	289.02	37.14	8.782		
10,625.00	10,443.74	10,741.22	10,673.57	15.86	12.79	153.11	657.93	-70.55	307.19	270.79	36.40	8.438		
10,650.00	10,449.19	10,710.30	10,654.00	15.89	12.76	151.73	681.83	-71.84	288.24	252.57	35.67	8.080		
10,675.00	10,453.36	10,681.38	10,634.55	15.92	12.74	150.29	703.19	-73.10	269.37	234.38	34.99	7.699		
10,700.00	10,456.23	10,654.09	10,615.23	15.95	12.71	148.75	722.42	-74.35	250.66	216.36	34.29	7.309		
10,725.00	10,457.80	10,628.17	10,596.05	15.98	12.69	147.07	739.82	-75.58	232.15	198.54	33.61	6.906		
10,738.48	10,458.10	10,614.68	10,585.77	16.00	12.68	146.09	748.52	-76.23	222.29	189.03	33.25	6.685		
10,800.00	10,458.61	10,561.03	10,542.92	16.09	12.64	135.33	780.67	-78.94	176.59	144.87	31.72	5.568		
10,900.00	10,459.45	10,497.45	10,488.54	16.30	12.60	109.90	813.36	-82.33	105.83	76.95	28.88	3.664		
10,980.37	10,460.12	10,460.57	10,455.44	16.50	12.58	86.52	829.49	-84.38	77.00	50.76	26.24	2.935 Normal Operations, CC, ES, SF		
11,000.00	10,460.28	10,452.94	10,448.47	16.55	12.57	81.32	832.56	-84.81	79.08	52.68	26.41	2.995 Normal Operations		
11,100.00	10,461.12	10,420.41	10,418.31	16.85	12.56	60.65	844.59	-86.66	135.33	106.73	28.60	4.731		
11,200.00	10,461.95	10,400.00	10,399.05	17.20	12.55	50.17	851.26	-87.84	220.18	191.40	28.78	7.652		
11,300.00	10,462.79	10,376.44	10,376.55	17.60	12.54	40.69	858.09	-89.21	311.93	282.99	28.93	10.781		
11,400.00	10,463.62	10,360.98	10,361.64	18.03	12.54	35.78	862.07	-90.11	406.49	377.66	28.83	14.100		
11,500.00	10,464.45	10,350.00	10,350.99	18.50	12.54	32.80	864.65	-90.76	502.50	473.79	28.70	17.506		
11,600.00	10,465.29	10,350.00	10,350.99	19.00	12.54	32.80	864.65	-90.76	599.64	571.18	28.47	21.064		
11,700.00	10,466.12	10,328.88	10,330.37	19.52	12.53	28.04	869.03	-92.01	696.89	668.27	28.62	24.350		
11,800.00	10,466.96	10,321.26	10,322.89	20.07	12.53	26.58	870.43	-92.46	794.82	766.23	28.59	27.801		
11,900.00	10,467.79	10,300.00	10,301.93	20.65	12.52	23.08	873.79	-93.72	893.39	864.65	28.74	31.086		
12,000.00	10,468.63	10,300.00	10,301.93	21.24	12.52	23.08	873.79	-93.72	991.70	963.03	28.66	34.599		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		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	14.10	0.00	3.00	-29.72	702.40	-401.00	808.93				
100.00	100.00	85.90	100.00	0.77	3.00	-29.72	702.40	-401.00	808.81	804.01	4.80	168.539	
200.00	200.00	185.90	200.00	1.44	3.00	-29.72	702.40	-401.00	808.81	803.68	5.12	157.869	
300.00	300.00	285.90	300.00	1.88	3.01	-29.72	702.40	-401.00	808.81	803.37	5.43	148.821	
400.00	400.00	385.90	400.00	2.25	3.03	-29.72	702.40	-401.00	808.81	803.07	5.74	141.016	
500.00	500.00	485.90	500.00	2.56	3.05	-29.72	702.40	-401.00	808.81	802.78	6.03	134.188	
600.00	600.00	585.90	600.00	2.84	3.08	-29.72	702.40	-401.00	808.81	802.49	6.31	128.144	
700.00	700.00	685.90	700.00	3.10	3.11	-29.72	702.40	-401.00	808.81	802.22	6.59	122.744	
800.00	800.00	785.90	800.00	3.34	3.15	-29.72	702.40	-401.00	808.81	801.94	6.86	117.877	
900.00	900.00	885.90	900.00	3.57	3.19	-29.72	702.40	-401.00	808.81	801.68	7.13	113.462	
1,000.00	1,000.00	985.90	1,000.00	3.79	3.24	-29.72	702.40	-401.00	808.81	801.41	7.39	109.430	
1,100.00	1,100.00	1,085.90	1,100.00	3.99	3.29	-29.72	702.40	-401.00	808.81	801.16	7.65	105.730	
1,200.00	1,200.00	1,185.90	1,200.00	4.19	3.35	-29.72	702.40	-401.00	808.81	800.90	7.90	102.317	
1,300.00	1,300.00	1,285.90	1,300.00	4.38	3.41	-29.72	702.40	-401.00	808.81	800.65	8.16	99.156	
1,400.00	1,400.00	1,385.90	1,400.00	4.56	3.47	-29.72	702.40	-401.00	808.81	800.40	8.41	96.217	
1,500.00	1,500.00	1,485.90	1,500.00	4.74	3.54	-29.72	702.40	-401.00	808.81	800.15	8.65	93.475	
1,600.00	1,600.00	1,585.90	1,600.00	4.91	3.61	-29.72	702.40	-401.00	808.81	799.91	8.90	90.910	
1,700.00	1,700.00	1,685.90	1,700.00	5.08	3.68	-29.72	702.40	-401.00	808.81	799.67	9.14	88.503	
1,800.00	1,800.00	1,785.90	1,800.00	5.24	3.76	-29.72	702.40	-401.00	808.81	799.43	9.38	86.238	
1,900.00	1,900.00	1,885.90	1,900.00	5.40	3.84	-29.72	702.40	-401.00	808.81	799.19	9.62	84.103	
2,000.00	2,000.00	1,985.90	2,000.00	5.56	3.93	-29.72	702.40	-401.00	808.81	798.95	9.85	82.084	
2,100.00	2,099.98	2,085.88	2,099.98	5.79	4.01	24.94	702.40	-401.00	807.22	797.06	10.16	79.451	
2,200.00	2,199.84	2,185.74	2,199.84	6.01	4.10	25.14	702.40	-401.00	802.48	792.02	10.46	76.690	
2,300.00	2,299.45	2,285.35	2,299.45	6.26	4.19	25.47	702.40	-401.00	794.60	783.81	10.79	73.671	
2,400.08	2,398.78	2,384.68	2,398.78	6.52	4.29	25.95	702.40	-401.00	783.59	772.46	11.13	70.413	
2,500.00	2,497.73	2,483.63	2,497.73	6.73	4.38	26.40	702.40	-401.00	771.08	759.67	11.42	67.530	
2,600.00	2,596.75	2,582.65	2,596.75	6.95	4.48	26.87	702.40	-401.00	758.62	746.89	11.73	64.683	
2,700.00	2,695.78	2,681.68	2,695.78	7.20	4.57	27.35	702.40	-401.00	746.20	734.14	12.06	61.888	
2,800.00	2,794.81	2,780.71	2,794.81	7.46	4.67	27.85	702.40	-401.00	733.84	721.44	12.40	59.166	
2,900.00	2,893.83	2,879.73	2,893.83	7.74	4.77	28.37	702.40	-401.00	721.53	708.77	12.76	56.530	
3,000.00	2,992.86	2,978.76	2,992.86	8.03	4.88	28.90	702.40	-401.00	709.29	696.15	13.14	53.991	
3,100.00	3,091.89	3,077.79	3,091.89	8.34	4.98	29.45	702.40	-401.00	697.11	683.59	13.52	51.554	
3,200.00	3,190.91	3,176.81	3,190.91	8.65	5.08	30.02	702.40	-401.00	684.99	671.08	13.92	49.225	
3,212.64	3,203.43	3,189.33	3,203.43	8.68	5.10	30.10	702.40	-401.00	683.46	669.51	13.95	48.977	
3,300.00	3,290.03	3,275.93	3,290.03	8.98	5.19	30.54	702.40	-401.00	673.51	659.19	14.32	47.024	
3,400.00	3,389.36	3,375.26	3,389.36	9.30	5.30	30.99	702.40	-401.00	663.58	648.86	14.72	45.080	
3,500.00	3,488.88	3,474.78	3,488.88	9.62	5.41	31.39	702.40	-401.00	655.18	640.06	15.11	43.348	
3,600.00	3,588.55	3,574.45	3,588.55	9.94	5.52	31.72	702.40	-401.00	648.30	632.79	15.50	41.818	
3,700.00	3,688.35	3,674.25	3,688.35	10.24	5.63	31.99	702.40	-401.00	642.92	627.04	15.88	40.479	
3,800.00	3,788.24	3,774.14	3,788.24	10.53	5.74	32.19	702.40	-401.00	639.03	622.78	16.25	39.325	
3,900.00	3,888.20	3,874.10	3,888.20	10.80	5.85	32.31	702.40	-401.00	636.63	620.03	16.60	38.357	
4,000.00	3,988.19	3,974.09	3,988.19	11.02	5.97	32.36	702.40	-401.00	635.70	618.80	16.90	37.616	
4,012.81	4,001.00	3,986.90	4,001.00	11.02	5.98	-22.24	702.40	-401.00	635.69	618.77	16.92	37.573	
4,100.00	4,088.19	4,074.09	4,088.19	11.10	6.08	-22.24	702.40	-401.00	635.69	618.61	17.08	37.214	
4,200.00	4,188.19	4,174.09	4,188.19	11.17	6.20	-22.24	702.40	-401.00	635.69	618.44	17.25	36.847	
4,300.00	4,288.19	4,274.09	4,288.19	11.25	6.31	-22.24	702.40	-401.00	635.69	618.27	17.42	36.486	
4,400.00	4,388.19	4,374.09	4,388.19	11.32	6.43	-22.24	702.40	-401.00	635.69	618.10	17.59	36.130	
4,500.00	4,488.19	4,474.09	4,488.19	11.39	6.54	-22.24	702.40	-401.00	635.69	617.92	17.77	35.779	
4,600.00	4,588.19	4,574.09	4,588.19	11.47	6.66	-22.24	702.40	-401.00	635.69	617.75	17.94	35.433	
4,700.00	4,688.19	4,674.09	4,688.19	11.54	6.78	-22.24	702.40	-401.00	635.69	617.58	18.11	35.093	
4,800.00	4,788.19	4,774.09	4,788.19	11.61	6.90	-22.24	702.40	-401.00	635.69	617.40	18.29	34.758	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Rule Assigned:	
Offset												Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,900.00	4,888.19	4,874.09	4,888.19	11.69	7.02	-22.24	702.40	-401.00	635.69	617.23	18.46	34.427	
5,000.00	4,988.19	4,974.09	4,988.19	11.76	7.14	-22.24	702.40	-401.00	635.69	617.05	18.64	34.102	
5,100.00	5,088.19	5,074.09	5,088.19	11.84	7.26	-22.24	702.40	-401.00	635.69	616.87	18.82	33.782	
5,200.00	5,188.19	5,174.09	5,188.19	11.91	7.38	-22.24	702.40	-401.00	635.69	616.70	19.00	33.466	
5,300.00	5,288.19	5,274.09	5,288.19	11.98	7.50	-22.24	702.40	-401.00	635.69	616.52	19.17	33.155	
5,400.00	5,388.19	5,374.09	5,388.19	12.06	7.62	-22.24	702.40	-401.00	635.69	616.34	19.35	32.849	
5,500.00	5,488.19	5,474.09	5,488.19	12.13	7.74	-22.24	702.40	-401.00	635.69	616.16	19.53	32.548 CC, ES	
5,600.00	5,588.19	5,565.31	5,579.40	12.21	7.83	-22.29	702.59	-401.72	636.20	616.50	19.70	32.290	
5,700.00	5,688.19	5,653.33	5,667.36	12.28	7.89	-22.53	703.46	-404.96	638.52	618.65	19.87	32.132	
5,800.00	5,788.19	5,741.07	5,754.89	12.36	7.94	-22.96	705.02	-410.79	642.74	622.70	20.04	32.074	
5,900.00	5,888.19	5,839.46	5,852.90	12.43	8.00	-23.56	707.24	-419.06	648.14	627.93	20.21	32.071	
6,000.00	5,988.19	5,939.08	5,952.14	12.51	8.06	-24.15	709.49	-427.45	653.62	633.24	20.38	32.072	
6,100.00	6,088.19	6,038.70	6,051.38	12.58	8.12	-24.74	711.73	-435.83	659.17	638.62	20.55	32.076	
6,200.00	6,188.19	6,138.32	6,150.62	12.66	8.19	-25.32	713.98	-444.22	664.79	644.07	20.72	32.083	
6,300.00	6,288.19	6,237.93	6,249.86	12.73	8.25	-25.88	716.23	-452.61	670.47	649.58	20.89	32.093	
6,400.00	6,388.19	6,337.55	6,349.10	12.81	8.32	-26.44	718.48	-460.99	676.22	655.16	21.06	32.106	
6,500.00	6,488.19	6,437.17	6,448.34	12.88	8.39	-26.99	720.72	-469.38	682.03	660.80	21.23	32.121	
6,600.00	6,588.19	6,536.79	6,547.58	12.96	8.46	-27.53	722.97	-477.77	687.91	666.50	21.40	32.139	
6,700.00	6,688.19	6,636.41	6,646.82	13.03	8.53	-28.06	725.22	-486.15	693.84	672.26	21.58	32.159	
6,800.00	6,788.19	6,736.03	6,746.06	13.11	8.61	-28.58	727.46	-494.54	699.83	678.08	21.75	32.181	
6,900.00	6,888.19	6,835.65	6,845.30	13.18	8.68	-29.09	729.71	-502.93	705.88	683.96	21.92	32.205	
7,000.00	6,988.19	6,935.27	6,944.54	13.26	8.76	-29.59	731.96	-511.31	711.98	689.89	22.09	32.231	
7,100.00	7,088.19	7,034.89	7,043.78	13.33	8.84	-30.08	734.21	-519.70	718.14	695.88	22.26	32.259	
7,200.00	7,188.19	7,134.51	7,143.02	13.41	8.92	-30.57	736.45	-528.09	724.35	701.91	22.43	32.288	
7,300.00	7,288.19	7,234.13	7,242.26	13.49	9.00	-31.05	738.70	-536.47	730.61	708.00	22.61	32.319	
7,400.00	7,388.19	7,333.75	7,341.51	13.56	9.08	-31.52	740.95	-544.86	736.92	714.14	22.78	32.351	
7,500.00	7,488.19	7,433.37	7,440.75	13.64	9.16	-31.98	743.19	-553.25	743.28	720.33	22.95	32.385	
7,600.00	7,588.19	7,532.99	7,539.99	13.71	9.25	-32.43	745.44	-561.63	749.69	726.56	23.12	32.419	
7,700.00	7,688.19	7,632.61	7,639.23	13.79	9.33	-32.88	747.69	-570.02	756.14	732.84	23.30	32.455	
7,800.00	7,788.19	7,732.23	7,738.47	13.87	9.42	-33.32	749.94	-578.41	762.64	739.17	23.47	32.492	
7,900.00	7,888.19	7,831.85	7,837.71	13.94	9.51	-33.75	752.18	-586.79	769.18	745.53	23.65	32.530	
8,000.00	7,988.19	7,931.47	7,936.95	14.02	9.60	-34.17	754.43	-595.18	775.76	751.94	23.82	32.568	
8,100.00	8,088.19	8,031.09	8,036.19	14.09	9.69	-34.59	756.68	-603.57	782.39	758.40	23.99	32.608	
8,200.00	8,188.19	8,130.70	8,135.43	14.17	9.78	-35.00	758.92	-611.95	789.06	764.89	24.17	32.648	
8,300.00	8,288.19	8,230.32	8,234.67	14.25	9.87	-35.40	761.17	-620.34	795.76	771.42	24.34	32.689	
8,400.00	8,388.19	8,329.94	8,333.91	14.32	9.97	-35.80	763.42	-628.73	802.51	777.99	24.52	32.730	
8,500.00	8,488.19	8,429.56	8,433.15	14.40	10.06	-36.19	765.67	-637.11	809.29	784.60	24.69	32.772	
8,600.00	8,588.19	8,529.18	8,532.39	14.48	10.16	-36.57	767.91	-645.50	816.11	791.24	24.87	32.814	
8,700.00	8,688.19	8,628.80	8,631.63	14.55	10.25	-36.95	770.16	-653.88	822.97	797.92	25.05	32.857	
8,800.00	8,788.19	8,728.42	8,730.87	14.63	10.35	-37.32	772.41	-662.27	829.86	804.63	25.22	32.900	
8,900.00	8,888.19	8,828.04	8,830.11	14.71	10.45	-37.68	774.65	-670.66	836.78	811.38	25.40	32.943	
9,000.00	8,988.19	8,927.66	8,929.35	14.78	10.55	-38.04	776.90	-679.04	843.74	818.16	25.58	32.986	
9,100.00	9,088.19	9,027.28	9,028.59	14.86	10.65	-38.39	779.15	-687.43	850.73	824.97	25.76	33.030	
9,200.00	9,188.19	9,126.90	9,127.83	14.94	10.75	-38.74	781.40	-695.82	857.75	831.81	25.93	33.074	
9,300.00	9,288.19	9,226.52	9,227.07	15.02	10.85	-39.08	783.64	-704.20	864.80	838.69	26.11	33.118	
9,400.00	9,388.19	9,326.14	9,326.31	15.09	10.95	-39.41	785.89	-712.59	871.88	845.59	26.29	33.162	
9,500.00	9,488.19	9,425.76	9,425.55	15.17	11.05	-39.75	788.14	-720.98	878.99	852.52	26.47	33.207	
9,600.00	9,588.19	9,525.38	9,524.79	15.25	11.16	-40.07	790.38	-729.36	886.14	859.49	26.65	33.251	
9,700.00	9,688.19	9,625.00	9,624.03	15.32	11.26	-40.39	792.63	-737.75	893.30	866.47	26.83	33.295	
9,800.00	9,788.19	9,724.62	9,723.27	15.40	11.37	-40.70	794.88	-746.14	900.50	873.49	27.01	33.339	
9,900.00	9,888.19	9,824.24	9,822.51	15.48	11.47	-41.01	797.13	-754.52	907.72	880.53	27.19	33.383	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,992.46	9,980.65	9,916.34	9,914.27	15.55	11.57	-41.30	799.20	-762.28	914.42	887.07	27.35	33.431	
10,000.00	9,988.19	9,923.86	9,921.76	15.55	11.58	-41.21	799.37	-762.91	914.92	887.55	27.37	33.426	
10,025.00	10,013.17	9,948.76	9,946.57	15.55	11.61	-41.25	799.94	-765.01	915.95	888.55	27.40	33.424	
10,050.00	10,038.05	9,973.60	9,971.32	15.56	11.63	-41.42	800.50	-767.10	916.01	888.57	27.43	33.390	
10,075.00	10,062.78	9,998.32	9,995.94	15.57	11.66	-41.72	801.05	-769.18	915.09	887.62	27.46	33.321	
10,100.00	10,087.28	10,022.84	10,020.37	15.57	11.69	-42.14	801.61	-771.24	913.21	885.72	27.49	33.218	
10,125.00	10,111.50	10,047.10	10,044.54	15.58	11.71	-42.70	802.15	-773.29	910.40	882.88	27.52	33.081	
10,150.00	10,135.35	10,071.04	10,068.38	15.59	11.74	-43.39	802.69	-775.30	906.66	879.12	27.55	32.913	
10,175.00	10,158.78	10,094.57	10,091.82	15.59	11.76	-44.22	803.22	-777.28	902.04	874.47	27.57	32.714	
10,200.00	10,181.72	10,117.65	10,114.81	15.60	11.79	-45.18	803.75	-779.22	896.56	868.97	27.59	32.493	
10,225.00	10,204.11	10,140.21	10,137.28	15.61	11.81	-46.28	804.25	-781.12	890.27	862.66	27.61	32.249	
10,250.00	10,225.88	10,162.18	10,159.17	15.62	11.84	-47.52	804.75	-782.97	883.19	855.58	27.62	31.980	
10,275.00	10,246.99	10,183.51	10,180.42	15.63	11.86	-48.90	805.23	-784.77	875.39	847.76	27.62	31.688	
10,300.00	10,267.36	10,230.23	10,226.93	15.64	11.87	-51.42	804.72	-788.92	866.38	838.76	27.62	31.367	
10,325.00	10,286.95	10,383.90	10,377.00	15.65	11.91	-60.28	779.22	-805.62	855.10	827.11	27.98	30.557	
10,350.00	10,305.70	10,450.20	10,438.41	15.66	11.93	-66.29	755.84	-814.25	842.17	813.92	28.25	29.810	
10,375.00	10,323.56	10,488.78	10,472.70	15.68	11.95	-70.96	739.03	-819.59	828.72	800.34	28.38	29.203	
10,400.00	10,340.48	10,485.03	10,469.21	15.69	11.95	-72.48	740.36	-819.10	815.07	786.85	28.21	28.890	
10,425.00	10,356.41	10,523.67	10,502.66	15.70	11.98	-77.46	721.86	-824.60	801.80	773.46	28.33	28.300	
10,450.00	10,371.31	10,529.64	10,507.67	15.72	11.98	-79.77	718.75	-825.48	788.70	760.47	28.23	27.940	
10,475.00	10,385.14	10,531.15	10,508.94	15.74	11.98	-81.65	717.95	-825.70	775.97	747.87	28.10	27.619	
10,500.00	10,397.87	10,529.50	10,507.56	15.75	11.98	-83.19	718.82	-825.46	763.68	735.73	27.95	27.326	
10,525.00	10,409.45	10,525.52	10,504.22	15.77	11.98	-84.45	720.90	-824.87	751.88	724.09	27.79	27.054	
10,550.00	10,419.85	10,519.79	10,499.38	15.79	11.97	-85.47	723.86	-824.04	740.60	712.97	27.64	26.798	
10,575.00	10,429.05	10,512.69	10,493.35	15.81	11.97	-86.29	727.46	-823.01	729.88	702.40	27.48	26.557	
10,600.00	10,437.02	10,504.53	10,486.36	15.84	11.96	-86.92	731.51	-821.83	719.74	692.41	27.34	26.328	
10,625.00	10,443.74	10,495.50	10,478.55	15.86	11.96	-87.40	735.86	-820.54	710.21	683.01	27.20	26.110	
10,650.00	10,449.19	10,485.77	10,470.07	15.89	11.95	-87.74	740.42	-819.17	701.30	674.22	27.08	25.902	
10,675.00	10,453.36	10,475.46	10,460.99	15.92	11.95	-87.94	745.09	-817.72	693.02	666.06	26.96	25.704	
10,700.00	10,456.23	10,464.66	10,451.40	15.95	11.94	-88.01	749.81	-816.23	685.39	658.53	26.86	25.518	
10,725.00	10,457.80	10,453.46	10,441.35	15.98	11.94	-87.98	754.51	-814.69	678.41	651.64	26.77	25.344	
10,738.48	10,458.10	10,447.27	10,435.75	16.00	11.93	-87.91	757.02	-813.85	674.92	648.20	26.72	25.255	
10,800.00	10,458.61	10,421.75	10,412.41	16.09	11.92	-85.84	766.74	-810.45	661.63	635.07	26.56	24.912	
10,900.00	10,459.45	10,390.03	10,382.80	16.30	11.91	-83.20	777.36	-806.38	650.39	624.01	26.39	24.646	
10,930.82	10,459.71	10,382.06	10,375.27	16.37	11.91	-82.53	779.77	-805.39	649.72	623.36	26.36	24.645 SF	
11,000.00	10,460.28	10,366.49	10,360.45	16.55	11.90	-81.21	784.17	-803.48	653.15	626.83	26.32	24.815	
11,100.00	10,461.12	10,350.00	10,344.64	16.85	11.90	-79.81	788.40	-801.50	670.16	643.83	26.33	25.450	
11,200.00	10,461.95	10,334.03	10,329.21	17.20	11.89	-78.44	792.05	-799.64	700.62	674.17	26.45	26.491	
11,300.00	10,462.79	10,322.41	10,317.91	17.60	11.89	-77.44	794.44	-798.32	743.03	716.43	26.60	27.934	
11,400.00	10,463.62	10,312.81	10,308.54	18.03	11.89	-76.62	796.24	-797.25	795.55	768.78	26.77	29.713	
11,500.00	10,464.45	10,300.00	10,295.99	18.50	11.88	-75.52	798.40	-795.85	856.43	829.43	27.00	31.720	
11,600.00	10,465.29	10,300.00	10,295.99	19.00	11.88	-75.52	798.40	-795.85	923.97	896.85	27.12	34.075	
11,700.00	10,466.12	10,300.00	10,295.99	19.52	11.88	-75.52	798.40	-795.85	996.97	969.74	27.24	36.602	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 701H - OWB - PWP2													Offset Site Error: 0.00 usft	
Survey Program: Reference		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				
Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation		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)	Distance (usft)	Factor		
0.00	0.00	0.90	0.00	0.00	0.01	89.66	1.20	200.00	200.00					
100.00	100.00	100.90	100.00	0.77	0.77	89.66	1.20	200.00	200.00	198.01	2.00	100.143		
200.00	200.00	200.90	200.00	1.44	1.44	89.66	1.20	200.00	200.00	196.69	3.32	60.323		
300.00	300.00	300.90	300.00	1.88	1.89	89.66	1.20	200.00	200.00	195.81	4.20	47.636		
400.00	400.00	400.90	400.00	2.25	2.25	89.66	1.20	200.00	200.00	195.09	4.91	40.694		
500.00	500.00	500.90	500.00	2.56	2.56	89.66	1.20	200.00	200.00	194.47	5.54	36.131		
600.00	600.00	600.90	600.00	2.84	2.85	89.66	1.20	200.00	200.00	193.91	6.09	32.828		
700.00	700.00	700.90	700.00	3.10	3.11	89.66	1.20	200.00	200.00	193.40	6.60	30.288		
800.00	800.00	800.90	800.00	3.34	3.35	89.66	1.20	200.00	200.00	192.92	7.08	28.255		
900.00	900.00	900.90	900.00	3.57	3.57	89.66	1.20	200.00	200.00	192.48	7.53	26.577		
1,000.00	1,000.00	1,000.90	1,000.00	3.79	3.79	89.66	1.20	200.00	200.00	192.05	7.95	25.160		
1,100.00	1,100.00	1,100.90	1,100.00	3.99	3.99	89.66	1.20	200.00	200.00	191.65	8.35	23.943		
1,200.00	1,200.00	1,200.90	1,200.00	4.19	4.19	89.66	1.20	200.00	200.00	191.26	8.74	22.881		
1,300.00	1,300.00	1,300.90	1,300.00	4.38	4.38	89.66	1.20	200.00	200.00	190.89	9.11	21.944		
1,400.00	1,400.00	1,400.90	1,400.00	4.56	4.56	89.66	1.20	200.00	200.00	190.53	9.47	21.109		
1,500.00	1,500.00	1,500.90	1,500.00	4.74	4.74	89.66	1.20	200.00	200.00	190.18	9.82	20.358		
1,600.00	1,600.00	1,600.90	1,600.00	4.91	4.91	89.66	1.20	200.00	200.00	189.84	10.16	19.678		
1,700.00	1,700.00	1,700.90	1,700.00	5.08	5.08	89.66	1.20	200.00	200.00	189.51	10.49	19.058		
1,800.00	1,800.00	1,800.90	1,800.00	5.24	5.24	89.66	1.20	200.00	200.00	189.19	10.82	18.490		
1,900.00	1,900.00	1,900.90	1,900.00	5.40	5.40	89.66	1.20	200.00	200.00	188.87	11.13	17.966		
1,966.36	1,966.36	1,967.26	1,966.36	5.50	5.50	89.66	1.20	200.00	200.00	188.67	11.34	17.642 CC		
2,000.00	2,000.00	2,000.00	1,999.10	5.56	5.56	89.66	1.20	200.00	200.01	188.57	11.44	17.484 ES		
2,100.00	2,099.98	2,094.33	2,093.41	5.79	5.77	144.41	1.49	201.52	203.05	191.21	11.85	17.142 SF		
2,200.00	2,199.84	2,187.28	2,186.25	6.01	5.98	144.84	2.36	206.01	212.14	199.91	12.23	17.344		
2,300.00	2,299.45	2,279.18	2,277.84	6.26	6.21	145.47	3.77	213.35	227.23	214.60	12.63	17.990		
2,400.08	2,398.78	2,369.61	2,367.69	6.52	6.44	146.21	5.71	223.38	248.29	235.24	13.05	19.029		
2,500.00	2,497.73	2,458.30	2,455.44	6.73	6.69	147.07	8.13	235.92	273.75	260.32	13.43	20.384		
2,600.00	2,596.75	2,545.63	2,541.44	6.95	6.91	147.65	11.01	250.87	302.15	288.36	13.79	21.906		
2,700.00	2,695.78	2,637.76	2,631.75	7.20	7.12	148.06	14.46	268.76	332.77	318.58	14.18	23.462		
2,800.00	2,794.81	2,732.88	2,724.96	7.46	7.37	148.41	18.06	287.38	363.56	348.90	14.65	24.812		
2,900.00	2,893.83	2,828.00	2,818.17	7.74	7.64	148.70	21.65	306.00	394.35	379.21	15.15	26.036		
3,000.00	2,992.86	2,923.12	2,911.38	8.03	7.92	148.95	25.24	324.62	425.16	409.49	15.67	27.139		
3,100.00	3,091.89	3,018.25	3,004.59	8.34	8.22	149.16	28.83	343.24	455.97	439.76	16.21	28.130		
3,200.00	3,190.91	3,113.37	3,097.81	8.65	8.54	149.35	32.42	361.86	486.79	470.02	16.77	29.021		
3,212.64	3,203.43	3,125.39	3,109.59	8.68	8.58	149.38	32.88	364.22	490.69	473.85	16.84	29.140		
3,300.00	3,290.03	3,208.67	3,191.19	8.98	8.86	149.62	36.02	380.52	517.06	499.70	17.36	29.782		
3,400.00	3,389.36	3,304.41	3,285.02	9.30	9.20	149.79	39.64	399.26	545.91	527.96	17.95	30.407		
3,500.00	3,488.88	3,400.58	3,379.25	9.62	9.54	149.86	43.27	418.09	573.32	554.76	18.56	30.897		
3,600.00	3,588.55	3,497.14	3,473.88	9.94	9.90	149.83	46.92	436.99	599.27	580.10	19.16	31.271		
3,700.00	3,688.35	3,594.07	3,568.85	10.24	10.27	149.73	50.58	455.97	623.76	603.99	19.77	31.545		
3,800.00	3,788.24	3,691.32	3,664.16	10.53	10.64	149.56	54.25	475.01	646.81	626.43	20.38	31.735		
3,900.00	3,888.20	3,788.88	3,759.76	10.80	11.02	149.33	57.93	494.11	668.40	647.42	20.98	31.858		
4,000.00	3,988.19	3,886.72	3,855.63	11.02	11.41	149.03	61.63	513.26	688.56	667.01	21.55	31.950		
4,012.81	4,001.00	3,899.27	3,867.93	11.02	11.46	94.39	62.10	515.72	691.04	669.43	21.61	31.979		
4,100.00	4,088.19	3,984.71	3,951.65	11.10	11.81	94.02	65.33	532.44	707.84	685.80	22.04	32.116		
4,200.00	4,188.19	4,082.70	4,047.68	11.17	12.21	93.61	69.03	551.63	727.15	704.62	22.53	32.274		
4,300.00	4,288.19	4,180.69	4,143.70	11.25	12.61	93.23	72.73	570.81	746.49	723.46	23.03	32.413		
4,400.00	4,388.19	4,278.69	4,239.73	11.32	13.02	92.87	76.43	589.99	765.86	742.32	23.54	32.534		
4,500.00	4,488.19	4,376.68	4,335.75	11.39	13.43	92.52	80.13	609.18	785.26	761.20	24.06	32.640		
4,600.00	4,588.19	4,474.67	4,431.78	11.47	13.84	92.19	83.83	628.36	804.69	780.10	24.58	32.731		
4,700.00	4,688.19	4,572.66	4,527.80	11.54	14.26	91.88	87.53	647.54	824.14	799.02	25.12	32.810		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
4,800.00	4,788.19	4,670.65	4,623.83	11.61	14.68	91.58	91.23	666.73	843.61	817.95	25.66	32.877	
4,900.00	4,888.19	4,768.65	4,719.85	11.69	15.10	91.29	94.93	685.91	863.10	836.90	26.21	32.935	
5,000.00	4,988.19	4,866.64	4,815.88	11.76	15.52	91.02	98.63	705.10	882.62	855.87	26.75	32.998	
5,100.00	5,088.19	4,981.14	4,928.28	11.84	16.00	90.73	102.77	726.55	901.32	873.92	27.40	32.892	
5,200.00	5,188.19	5,097.84	5,043.25	11.91	16.50	90.47	106.55	746.14	918.09	890.02	28.07	32.712	
5,300.00	5,288.19	5,215.31	5,159.38	11.98	16.99	90.25	109.91	763.54	932.88	904.17	28.71	32.494	
5,400.00	5,388.19	5,333.48	5,276.53	12.06	17.47	90.07	112.83	778.68	945.69	916.36	29.33	32.239	
5,500.00	5,488.19	5,452.23	5,394.56	12.13	17.93	89.92	115.30	791.50	956.49	926.56	29.93	31.955	
5,600.00	5,588.19	5,571.48	5,513.34	12.21	18.38	89.80	117.32	801.95	965.27	934.76	30.50	31.646	
5,700.00	5,688.19	5,691.13	5,632.70	12.28	18.80	89.71	118.87	810.00	972.00	940.96	31.04	31.319	
5,800.00	5,788.19	5,811.07	5,752.50	12.36	19.20	89.65	119.95	815.61	976.68	945.16	31.52	30.985	
5,900.00	5,888.19	5,931.19	5,872.58	12.43	19.54	89.62	120.56	818.76	979.31	947.37	31.93	30.667	
6,000.00	5,988.19	6,046.81	5,988.19	12.51	19.73	89.61	120.70	819.50	979.92	947.74	32.18	30.452	
6,100.00	6,088.19	6,146.81	6,088.19	12.58	19.77	89.61	120.70	819.50	979.92	947.64	32.28	30.359	
6,200.00	6,188.19	6,246.81	6,188.19	12.66	19.81	89.61	120.70	819.50	979.92	947.54	32.38	30.260	
6,300.00	6,288.19	6,346.81	6,288.19	12.73	19.85	89.61	120.70	819.50	979.92	947.43	32.49	30.161	
6,400.00	6,388.19	6,446.81	6,388.19	12.81	19.89	89.61	120.70	819.50	979.92	947.33	32.60	30.063	
6,500.00	6,488.19	6,546.81	6,488.19	12.88	19.93	89.61	120.70	819.50	979.92	947.22	32.70	29.965	
6,600.00	6,588.19	6,646.81	6,588.19	12.96	19.97	89.61	120.70	819.50	979.92	947.11	32.81	29.867	
6,700.00	6,688.19	6,746.81	6,688.19	13.03	20.01	89.61	120.70	819.50	979.92	947.01	32.92	29.769	
6,800.00	6,788.19	6,846.81	6,788.19	13.11	20.05	89.61	120.70	819.50	979.92	946.90	33.03	29.671	
6,900.00	6,888.19	6,946.81	6,888.19	13.18	20.09	89.61	120.70	819.50	979.92	946.79	33.13	29.574	
7,000.00	6,988.19	7,046.81	6,988.19	13.26	20.13	89.61	120.70	819.50	979.92	946.68	33.24	29.477	
7,100.00	7,088.19	7,146.81	7,088.19	13.33	20.18	89.61	120.70	819.50	979.92	946.57	33.35	29.380	
7,200.00	7,188.19	7,246.81	7,188.19	13.41	20.22	89.61	120.70	819.50	979.92	946.46	33.46	29.284	
7,300.00	7,288.19	7,346.81	7,288.19	13.49	20.26	89.61	120.70	819.50	979.92	946.35	33.57	29.187	
7,400.00	7,388.19	7,446.81	7,388.19	13.56	20.30	89.61	120.70	819.50	979.92	946.24	33.68	29.091	
7,500.00	7,488.19	7,546.81	7,488.19	13.64	20.35	89.61	120.70	819.50	979.92	946.13	33.80	28.996	
7,600.00	7,588.19	7,646.81	7,588.19	13.71	20.39	89.61	120.70	819.50	979.92	946.02	33.91	28.900	
7,700.00	7,688.19	7,746.81	7,688.19	13.79	20.43	89.61	120.70	819.50	979.92	945.90	34.02	28.805	
7,800.00	7,788.19	7,846.81	7,788.19	13.87	20.48	89.61	120.70	819.50	979.92	945.79	34.13	28.710	
7,900.00	7,888.19	7,946.81	7,888.19	13.94	20.52	89.61	120.70	819.50	979.92	945.68	34.24	28.616	
8,000.00	7,988.19	8,046.81	7,988.19	14.02	20.57	89.61	120.70	819.50	979.92	945.57	34.36	28.522	
8,100.00	8,088.19	8,146.81	8,088.19	14.09	20.61	89.61	120.70	819.50	979.92	945.45	34.47	28.428	
8,200.00	8,188.19	8,246.81	8,188.19	14.17	20.66	89.61	120.70	819.50	979.92	945.34	34.58	28.334	
8,300.00	8,288.19	8,346.81	8,288.19	14.25	20.70	89.61	120.70	819.50	979.92	945.22	34.70	28.241	
8,400.00	8,388.19	8,446.81	8,388.19	14.32	20.75	89.61	120.70	819.50	979.92	945.11	34.81	28.148	
8,500.00	8,488.19	8,546.81	8,488.19	14.40	20.79	89.61	120.70	819.50	979.92	944.99	34.93	28.055	
8,600.00	8,588.19	8,646.81	8,588.19	14.48	20.84	89.61	120.70	819.50	979.92	944.88	35.04	27.963	
8,700.00	8,688.19	8,746.81	8,688.19	14.55	20.88	89.61	120.70	819.50	979.92	944.76	35.16	27.870	
8,800.00	8,788.19	8,846.81	8,788.19	14.63	20.93	89.61	120.70	819.50	979.92	944.65	35.28	27.779	
8,900.00	8,888.19	8,946.81	8,888.19	14.71	20.97	89.61	120.70	819.50	979.92	944.53	35.39	27.687	
9,000.00	8,988.19	9,046.81	8,988.19	14.78	21.02	89.61	120.70	819.50	979.92	944.41	35.51	27.596	
9,100.00	9,088.19	9,146.81	9,088.19	14.86	21.07	89.61	120.70	819.50	979.92	944.30	35.63	27.506	
9,110.00	9,098.19	9,156.81	9,098.19	14.87	21.07	89.61	120.70	819.50	979.92	944.28	35.64	27.497	
9,200.00	9,188.19	9,246.11	9,187.42	14.94	21.10	89.47	123.00	819.50	979.94	944.21	35.73	27.427	
9,300.00	9,288.19	9,340.81	9,280.13	15.02	21.11	88.39	141.53	819.48	980.30	944.45	35.84	27.349	
9,400.00	9,388.19	9,425.00	9,358.07	15.09	21.12	86.55	173.08	819.44	982.08	946.08	36.00	27.281	
9,500.00	9,488.19	9,497.06	9,419.51	15.17	21.13	84.37	210.60	819.39	986.94	950.76	36.18	27.278	
9,600.00	9,588.19	9,556.07	9,465.16	15.25	21.14	82.22	247.93	819.35	996.49	960.11	36.38	27.394	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		Offset Wellbore Centre			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	0.90	0.00	0.00	0.01	95.37	-18.80	200.10	200.98					
100.00	100.00	100.90	100.00	0.77	0.77	95.37	-18.80	200.10	200.98	198.98	2.00	100.632		
200.00	200.00	200.90	200.00	1.44	1.44	95.37	-18.80	200.10	200.98	197.67	3.32	60.618		
300.00	300.00	300.90	300.00	1.88	1.89	95.37	-18.80	200.10	200.98	196.78	4.20	47.869		
400.00	400.00	400.90	400.00	2.25	2.25	95.37	-18.80	200.10	200.98	196.07	4.91	40.893		
500.00	500.00	500.90	500.00	2.56	2.56	95.37	-18.80	200.10	200.98	195.45	5.54	36.308		
600.00	600.00	600.90	600.00	2.84	2.85	95.37	-18.80	200.10	200.98	194.89	6.09	32.988		
700.00	700.00	700.90	700.00	3.10	3.11	95.37	-18.80	200.10	200.98	194.38	6.60	30.436		
800.00	800.00	800.90	800.00	3.34	3.35	95.37	-18.80	200.10	200.98	193.90	7.08	28.393		
900.00	900.00	900.90	900.00	3.57	3.57	95.37	-18.80	200.10	200.98	193.46	7.53	26.706		
1,000.00	1,000.00	1,000.90	1,000.00	3.79	3.79	95.37	-18.80	200.10	200.98	193.03	7.95	25.283		
1,100.00	1,100.00	1,100.90	1,100.00	3.99	3.99	95.37	-18.80	200.10	200.98	192.63	8.35	24.060		
1,200.00	1,200.00	1,200.90	1,200.00	4.19	4.19	95.37	-18.80	200.10	200.98	192.24	8.74	22.993		
1,300.00	1,300.00	1,300.90	1,300.00	4.38	4.38	95.37	-18.80	200.10	200.98	191.87	9.11	22.051		
1,400.00	1,400.00	1,400.90	1,400.00	4.56	4.56	95.37	-18.80	200.10	200.98	191.51	9.47	21.212		
1,500.00	1,500.00	1,500.90	1,500.00	4.74	4.74	95.37	-18.80	200.10	200.98	191.16	9.82	20.457		
1,600.00	1,600.00	1,600.90	1,600.00	4.91	4.91	95.37	-18.80	200.10	200.98	190.82	10.16	19.774		
1,700.00	1,700.00	1,700.90	1,700.00	5.08	5.08	95.37	-18.80	200.10	200.98	190.49	10.49	19.151		
1,800.00	1,800.00	1,800.90	1,800.00	5.24	5.24	95.37	-18.80	200.10	200.98	190.16	10.82	18.580		
1,900.00	1,900.00	1,900.90	1,900.00	5.40	5.40	95.37	-18.80	200.10	200.98	189.85	11.13	18.054		
2,000.00	2,000.00	2,000.90	2,000.00	5.56	5.56	95.37	-18.80	200.10	200.98	189.54	11.44	17.567 CC, ES		
2,100.00	2,099.98	2,100.88	2,099.98	5.79	5.70	150.20	-18.80	200.10	202.49	190.71	11.79	17.180		
2,200.00	2,199.84	2,200.76	2,199.86	6.01	5.83	150.87	-18.80	200.10	207.05	194.94	12.12	17.089		
2,300.00	2,299.45	2,304.15	2,303.23	6.26	6.05	151.54	-17.05	199.39	213.82	201.34	12.48	17.130		
2,400.08	2,398.78	2,407.74	2,406.66	6.52	6.28	151.75	-11.82	197.28	221.92	209.06	12.86	17.252		
2,500.00	2,497.73	2,511.33	2,509.81	6.73	6.51	151.41	-3.13	193.76	229.79	216.60	13.19	17.425		
2,600.00	2,596.75	2,612.56	2,610.32	6.95	6.64	150.48	8.07	189.24	236.29	222.83	13.46	17.555		
2,700.00	2,695.78	2,712.27	2,709.29	7.20	6.85	149.55	19.34	184.68	242.73	228.92	13.81	17.582		
2,800.00	2,794.81	2,811.99	2,808.27	7.46	7.07	148.68	30.61	180.12	249.23	235.07	14.17	17.594		
2,900.00	2,893.83	2,911.71	2,907.24	7.74	7.30	147.84	41.88	175.56	255.79	241.26	14.53	17.609		
3,000.00	2,992.86	3,009.56	3,004.46	8.03	7.57	147.23	52.19	171.39	262.75	247.82	14.93	17.600		
3,100.00	3,091.89	3,107.36	3,101.80	8.34	7.82	146.97	60.94	167.85	270.44	255.11	15.33	17.644		
3,200.00	3,190.91	3,205.05	3,199.18	8.65	8.08	147.04	68.15	164.94	278.84	263.09	15.74	17.711		
3,212.64	3,203.43	3,217.39	3,211.49	8.68	8.11	147.07	68.96	164.61	279.95	264.16	15.79	17.731		
3,300.00	3,290.03	3,302.65	3,296.59	8.98	8.33	147.38	73.82	162.65	287.39	271.21	16.18	17.760		
3,400.00	3,389.36	3,400.00	3,393.83	9.30	8.58	147.82	77.94	160.98	295.22	278.61	16.62	17.767		
3,500.00	3,488.88	3,497.73	3,491.52	9.62	8.82	148.35	80.53	159.93	302.33	285.27	17.05	17.730		
3,600.00	3,588.55	3,595.19	3,588.97	9.94	9.01	148.96	81.57	159.51	308.71	291.23	17.48	17.659		
3,700.00	3,688.35	3,694.56	3,688.35	10.24	9.12	149.57	81.60	159.50	314.14	296.25	17.90	17.552		
3,800.00	3,788.24	3,794.46	3,788.24	10.53	9.21	150.01	81.60	159.50	318.11	299.82	18.29	17.395		
3,900.00	3,888.20	3,894.42	3,888.20	10.80	9.31	150.28	81.60	159.50	320.57	301.92	18.65	17.191		
4,000.00	3,988.19	3,994.41	3,988.19	11.02	9.40	150.38	81.60	159.50	321.52	302.57	18.95	16.963		
4,012.81	4,001.00	4,007.22	4,001.00	11.02	9.41	95.78	81.60	159.50	321.54	302.56	18.97	16.946		
4,100.00	4,088.19	4,094.41	4,088.19	11.10	9.49	95.78	81.60	159.50	321.54	302.40	19.14	16.800		
4,200.00	4,188.19	4,194.41	4,188.19	11.17	9.58	95.78	81.60	159.50	321.54	302.23	19.31	16.650		
4,300.00	4,288.19	4,294.41	4,288.19	11.25	9.67	95.78	81.60	159.50	321.54	302.05	19.48	16.503		
4,400.00	4,388.19	4,394.41	4,388.19	11.32	9.76	95.78	81.60	159.50	321.54	301.88	19.66	16.358		
4,500.00	4,488.19	4,494.41	4,488.19	11.39	9.85	95.78	81.60	159.50	321.54	301.71	19.83	16.216		
4,600.00	4,588.19	4,594.41	4,588.19	11.47	9.94	95.78	81.60	159.50	321.54	301.54	20.00	16.077		
4,700.00	4,688.19	4,694.41	4,688.19	11.54	10.03	95.78	81.60	159.50	321.54	301.37	20.17	15.940		
4,800.00	4,788.19	4,794.41	4,788.19	11.61	10.12	95.78	81.60	159.50	321.54	301.19	20.34	15.806		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		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)	Distance (usft)	Separation Factor	
4,900.00	4,888.19	4,894.41	4,888.19	11.69	10.21	95.78	81.60	159.50	321.54	301.02	20.51	15.674	
5,000.00	4,988.19	4,994.41	4,988.19	11.76	10.30	95.78	81.60	159.50	321.54	300.85	20.68	15.545	
5,100.00	5,088.19	5,094.41	5,088.19	11.84	10.39	95.78	81.60	159.50	321.54	300.68	20.86	15.417	
5,200.00	5,188.19	5,194.41	5,188.19	11.91	10.48	95.78	81.60	159.50	321.54	300.51	21.03	15.292	
5,300.00	5,288.19	5,294.41	5,288.19	11.98	10.57	95.78	81.60	159.50	321.54	300.34	21.20	15.169	
5,400.00	5,388.19	5,394.41	5,388.19	12.06	10.65	95.78	81.60	159.50	321.54	300.17	21.37	15.048	
5,500.00	5,488.19	5,494.41	5,488.19	12.13	10.74	95.78	81.60	159.50	321.54	300.00	21.54	14.929	
5,600.00	5,588.19	5,594.41	5,588.19	12.21	10.83	95.78	81.60	159.50	321.54	299.83	21.71	14.812	
5,700.00	5,688.19	5,694.41	5,688.19	12.28	10.92	95.78	81.60	159.50	321.54	299.66	21.88	14.697	
5,800.00	5,788.19	5,794.41	5,788.19	12.36	11.01	95.78	81.60	159.50	321.54	299.49	22.05	14.584	
5,900.00	5,888.19	5,894.41	5,888.19	12.43	11.10	95.78	81.60	159.50	321.54	299.32	22.22	14.472	
6,000.00	5,988.19	5,994.41	5,988.19	12.51	11.19	95.78	81.60	159.50	321.54	299.15	22.39	14.363	
6,100.00	6,088.19	6,094.41	6,088.19	12.58	11.27	95.78	81.60	159.50	321.54	298.98	22.56	14.255	
6,200.00	6,188.19	6,194.41	6,188.19	12.66	11.36	95.78	81.60	159.50	321.54	298.81	22.73	14.149	
6,300.00	6,288.19	6,294.41	6,288.19	12.73	11.45	95.78	81.60	159.50	321.54	298.64	22.89	14.044	
6,400.00	6,388.19	6,394.41	6,388.19	12.81	11.54	95.78	81.60	159.50	321.54	298.47	23.06	13.941	
6,500.00	6,488.19	6,494.41	6,488.19	12.88	11.63	95.78	81.60	159.50	321.54	298.30	23.23	13.840	
6,600.00	6,588.19	6,594.41	6,588.19	12.96	11.71	95.78	81.60	159.50	321.54	298.13	23.40	13.740	
6,700.00	6,688.19	6,694.41	6,688.19	13.03	11.80	95.78	81.60	159.50	321.54	297.97	23.57	13.642	
6,800.00	6,788.19	6,794.41	6,788.19	13.11	11.89	95.78	81.60	159.50	321.54	297.80	23.74	13.545	
6,900.00	6,888.19	6,894.41	6,888.19	13.18	11.98	95.78	81.60	159.50	321.54	297.63	23.91	13.449	
7,000.00	6,988.19	6,994.41	6,988.19	13.26	12.06	95.78	81.60	159.50	321.54	297.46	24.08	13.355	
7,100.00	7,088.19	7,094.41	7,088.19	13.33	12.15	95.78	81.60	159.50	321.54	297.29	24.24	13.262	
7,200.00	7,188.19	7,194.41	7,188.19	13.41	12.24	95.78	81.60	159.50	321.54	297.12	24.41	13.171	
7,300.00	7,288.19	7,294.41	7,288.19	13.49	12.33	95.78	81.60	159.50	321.54	296.96	24.58	13.081	
7,400.00	7,388.19	7,394.41	7,388.19	13.56	12.41	95.78	81.60	159.50	321.54	296.79	24.75	12.992	
7,500.00	7,488.19	7,494.41	7,488.19	13.64	12.50	95.78	81.60	159.50	321.54	296.62	24.92	12.905	
7,600.00	7,588.19	7,594.41	7,588.19	13.71	12.59	95.78	81.60	159.50	321.54	296.45	25.08	12.818	
7,700.00	7,688.19	7,694.41	7,688.19	13.79	12.67	95.78	81.60	159.50	321.54	296.28	25.25	12.733	
7,800.00	7,788.19	7,794.41	7,788.19	13.87	12.76	95.78	81.60	159.50	321.54	296.12	25.42	12.649	
7,900.00	7,888.19	7,894.41	7,888.19	13.94	12.85	95.78	81.60	159.50	321.54	295.95	25.59	12.566	
8,000.00	7,988.19	7,994.41	7,988.19	14.02	12.93	95.78	81.60	159.50	321.54	295.78	25.75	12.485	
8,100.00	8,088.19	8,094.41	8,088.19	14.09	13.02	95.78	81.60	159.50	321.54	295.61	25.92	12.404	
8,200.00	8,188.19	8,194.41	8,188.19	14.17	13.11	95.78	81.60	159.50	321.54	295.45	26.09	12.324	
8,300.00	8,288.19	8,294.41	8,288.19	14.25	13.19	95.78	81.60	159.50	321.54	295.28	26.26	12.246	
8,400.00	8,388.19	8,394.41	8,388.19	14.32	13.28	95.78	81.60	159.50	321.54	295.11	26.42	12.169	
8,500.00	8,488.19	8,494.41	8,488.19	14.40	13.37	95.78	81.60	159.50	321.54	294.95	26.59	12.092	
8,600.00	8,588.19	8,594.41	8,588.19	14.48	13.45	95.78	81.60	159.50	321.54	294.78	26.76	12.017	
8,700.00	8,688.19	8,694.41	8,688.19	14.55	13.54	95.78	81.60	159.50	321.54	294.61	26.92	11.942	
8,800.00	8,788.19	8,794.41	8,788.19	14.63	13.63	95.78	81.60	159.50	321.54	294.45	27.09	11.869	
8,900.00	8,888.19	8,894.41	8,888.19	14.71	13.71	95.78	81.60	159.50	321.54	294.28	27.26	11.796	
9,000.00	8,988.19	8,994.41	8,988.19	14.78	13.80	95.78	81.60	159.50	321.54	294.11	27.42	11.724	
9,100.00	9,088.19	9,094.41	9,088.19	14.86	13.88	95.78	81.60	159.50	321.54	293.95	27.59	11.653	
9,200.00	9,188.19	9,194.41	9,188.19	14.94	13.97	95.78	81.60	159.50	321.54	293.78	27.76	11.584	
9,300.00	9,288.19	9,294.41	9,288.19	15.02	14.06	95.78	81.60	159.50	321.54	293.61	27.92	11.515	
9,400.00	9,388.19	9,399.03	9,392.49	15.09	14.11	94.71	87.66	159.49	321.00	293.01	28.00	11.465	
9,500.00	9,488.19	9,498.65	9,488.49	15.17	14.16	90.07	113.60	159.46	319.86	291.97	27.89	11.468	
9,504.45	9,492.64	9,502.80	9,492.35	15.17	14.17	89.80	115.11	159.46	319.86	291.98	27.88	11.471	
9,600.00	9,588.19	9,584.61	9,565.48	15.25	14.22	83.30	151.57	159.42	322.82	295.08	27.73	11.639	
9,700.00	9,688.19	9,655.19	9,622.78	15.32	14.27	76.18	192.66	159.37	335.74	307.88	27.86	12.052	
9,800.00	9,788.19	9,711.85	9,664.01	15.40	14.31	69.82	231.48	159.33	362.56	334.01	28.54	12.702	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
9,900.00	9,888.19	9,757.15	9,693.48	15.48	14.34	64.59	265.87	159.29	403.95	374.23	29.72	13.592	
9,992.46	9,980.65	9,791.10	9,713.36	15.55	14.37	60.70	293.38	159.25	453.65	422.68	30.98	14.646	
10,000.00	9,988.19	9,793.62	9,714.75	15.55	14.37	59.91	295.48	159.25	458.10	427.08	31.03	14.765	
10,025.00	10,013.17	9,800.00	9,718.24	15.55	14.37	57.35	300.82	159.24	472.91	441.52	31.39	15.068	
10,050.00	10,038.05	9,810.77	9,723.96	15.56	14.38	54.46	309.94	159.23	487.72	456.04	31.68	15.397	
10,075.00	10,062.78	9,825.00	9,731.20	15.57	14.39	51.47	322.19	159.22	502.53	470.61	31.92	15.744	
10,100.00	10,087.28	9,825.00	9,731.20	15.57	14.39	49.80	322.19	159.22	517.13	484.79	32.35	15.987	
10,125.00	10,111.50	9,837.76	9,737.38	15.58	14.40	47.26	333.35	159.21	531.56	498.95	32.60	16.304	
10,150.00	10,135.35	9,850.00	9,743.03	15.59	14.41	44.97	344.21	159.19	545.78	512.92	32.86	16.610	
10,175.00	10,158.78	9,856.43	9,745.89	15.59	14.41	43.20	349.97	159.19	559.68	526.50	33.18	16.868	
10,200.00	10,181.72	9,865.93	9,749.96	15.60	14.42	41.38	358.56	159.18	573.27	539.81	33.46	17.135	
10,225.00	10,204.11	9,875.00	9,753.69	15.61	14.43	39.73	366.82	159.17	586.49	552.76	33.73	17.388	
10,250.00	10,225.88	9,885.23	9,757.71	15.62	14.43	38.17	376.23	159.16	599.30	565.32	33.98	17.635	
10,275.00	10,246.99	9,900.00	9,763.15	15.63	14.44	36.57	389.96	159.14	611.72	577.53	34.18	17.894	
10,300.00	10,267.36	9,900.00	9,763.15	15.64	14.44	35.61	389.96	159.14	623.63	589.11	34.52	18.065	
10,325.00	10,286.95	9,914.79	9,768.18	15.65	14.45	34.26	403.87	159.12	635.00	600.30	34.71	18.296	
10,350.00	10,305.70	9,925.00	9,771.39	15.66	14.46	33.17	413.56	159.11	645.91	610.98	34.93	18.492	
10,375.00	10,323.56	9,934.83	9,774.29	15.68	14.46	32.19	422.95	159.10	656.27	621.13	35.14	18.674	
10,400.00	10,340.48	9,950.00	9,778.39	15.69	14.47	31.18	437.56	159.08	666.12	630.82	35.31	18.865	
10,425.00	10,356.41	9,950.00	9,778.39	15.70	14.47	30.57	437.56	159.08	675.36	639.78	35.58	18.982	
10,450.00	10,371.31	9,965.28	9,782.04	15.72	14.48	29.74	452.39	159.07	683.96	648.23	35.73	19.144	
10,475.00	10,385.14	9,975.00	9,784.11	15.74	14.48	29.09	461.89	159.06	692.00	656.09	35.91	19.272	
10,500.00	10,397.87	9,985.78	9,786.19	15.75	14.49	28.49	472.47	159.04	699.42	663.35	36.07	19.391	
10,525.00	10,409.45	10,000.00	9,788.56	15.77	14.50	27.92	486.49	159.03	706.24	670.03	36.21	19.506	
10,550.00	10,419.85	10,000.00	9,788.56	15.79	14.50	27.56	486.49	159.03	712.43	676.03	36.40	19.570	
10,575.00	10,429.05	10,016.77	9,790.81	15.81	14.51	27.09	503.11	159.01	717.87	681.35	36.51	19.661	
10,600.00	10,437.02	10,025.00	9,791.71	15.84	14.51	26.76	511.29	159.00	722.72	686.07	36.65	19.720	
10,625.00	10,443.74	10,037.55	9,792.80	15.86	14.52	26.45	523.79	158.98	726.89	690.13	36.76	19.775	
10,650.00	10,449.19	10,050.00	9,793.56	15.89	14.52	26.19	536.22	158.97	730.40	693.54	36.86	19.815	
10,675.00	10,453.36	10,058.38	9,793.88	15.92	14.53	26.00	544.60	158.96	733.23	696.26	36.97	19.836	
10,700.00	10,456.23	10,070.99	9,794.10	15.95	14.53	25.85	557.20	158.95	735.38	698.33	37.05	19.849	
10,725.00	10,457.80	10,090.77	9,794.18	15.98	14.54	25.75	576.97	158.92	736.69	699.58	37.11	19.853	
10,738.48	10,458.10	10,104.24	9,794.23	16.00	14.55	25.73	590.45	158.91	736.91	699.79	37.13	19.847	
10,800.00	10,458.61	10,165.76	9,794.47	16.09	14.60	25.72	651.97	158.83	737.16	699.93	37.24	19.797	
10,900.00	10,459.45	10,265.76	9,794.86	16.30	14.74	25.70	751.97	158.72	737.56	700.12	37.44	19.700	
11,000.00	10,460.28	10,365.76	9,795.25	16.55	14.99	25.69	851.97	158.60	737.96	700.29	37.67	19.588	
11,100.00	10,461.12	10,465.76	9,795.64	16.85	15.34	25.67	951.96	158.48	738.36	700.42	37.94	19.462	
11,200.00	10,461.95	10,565.76	9,796.03	17.20	15.76	25.66	1,051.96	158.37	738.76	700.53	38.23	19.323	
11,300.00	10,462.79	10,665.76	9,796.42	17.60	16.23	25.64	1,151.96	158.25	739.16	700.60	38.56	19.171	
11,400.00	10,463.62	10,765.76	9,796.82	18.03	16.73	25.63	1,251.96	158.13	739.56	700.65	38.91	19.008	
11,500.00	10,464.45	10,865.76	9,797.21	18.50	17.26	25.61	1,351.96	158.02	739.96	700.68	39.29	18.835	
11,600.00	10,465.29	10,965.75	9,797.60	19.00	17.82	25.60	1,451.96	157.90	740.36	700.67	39.69	18.653	
11,700.00	10,466.12	11,065.75	9,797.99	19.52	18.41	25.58	1,551.95	157.78	740.76	700.64	40.12	18.463	
11,800.00	10,466.96	11,165.75	9,798.38	20.07	19.01	25.57	1,651.95	157.67	741.16	700.58	40.58	18.265	
11,900.00	10,467.79	11,265.75	9,798.77	20.65	19.63	25.55	1,751.95	157.55	741.56	700.51	41.06	18.062	
12,000.00	10,468.63	11,365.75	9,799.16	21.24	20.28	25.54	1,851.95	157.43	741.96	700.40	41.56	17.853	
12,100.00	10,469.46	11,465.75	9,799.55	21.86	20.93	25.52	1,951.95	157.32	742.36	700.28	42.08	17.640	
12,200.00	10,470.30	11,565.75	9,799.94	22.49	21.60	25.51	2,051.94	157.20	742.76	700.13	42.63	17.424	
12,300.00	10,471.13	11,665.75	9,800.33	23.13	22.29	25.49	2,151.94	157.08	743.16	699.97	43.20	17.204	
12,400.00	10,471.96	11,765.75	9,800.72	23.79	22.98	25.48	2,251.94	156.97	743.57	699.78	43.78	16.983	
12,500.00	10,472.80	11,865.75	9,801.11	24.46	23.69	25.46	2,351.94	156.85	743.97	699.58	44.39	16.761	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
12,600.00	10,473.63	11,965.74	9,801.50	25.15	24.41	25.45	2,451.94	156.73	744.37	699.36	45.01	16.538	
12,700.00	10,474.47	12,065.74	9,801.89	25.84	25.13	25.44	2,551.94	156.62	744.77	699.12	45.65	16.315	
12,800.00	10,475.30	12,165.74	9,802.29	26.54	25.87	25.42	2,651.93	156.50	745.17	698.86	46.31	16.092	
12,900.00	10,476.14	12,265.74	9,802.68	27.26	26.61	25.41	2,751.93	156.38	745.57	698.59	46.98	15.870	
13,000.00	10,476.97	12,365.74	9,803.07	27.98	27.35	25.39	2,851.93	156.27	745.97	698.30	47.67	15.650	
13,100.00	10,477.81	12,465.74	9,803.46	28.71	28.11	25.38	2,951.93	156.15	746.37	698.00	48.37	15.431	
13,200.00	10,478.64	12,565.74	9,803.85	29.44	28.87	25.36	3,051.93	156.03	746.77	697.69	49.08	15.214	
13,300.00	10,479.47	12,665.74	9,804.24	30.18	29.63	25.35	3,151.92	155.92	747.17	697.36	49.81	14.999	
13,400.00	10,480.31	12,765.74	9,804.63	30.93	30.40	25.33	3,251.92	155.80	747.57	697.02	50.56	14.787	
13,500.00	10,481.14	12,865.74	9,805.02	31.69	31.18	25.32	3,351.92	155.68	747.98	696.67	51.31	14.578	
13,600.00	10,481.98	12,965.73	9,805.41	32.45	31.96	25.30	3,451.92	155.57	748.38	696.30	52.07	14.372	
13,700.00	10,482.81	13,065.73	9,805.80	33.21	32.74	25.29	3,551.92	155.45	748.78	695.93	52.85	14.168	
13,800.00	10,483.65	13,165.73	9,806.19	33.98	33.52	25.28	3,651.92	155.33	749.18	695.54	53.64	13.968	
13,900.00	10,484.48	13,265.73	9,806.58	34.75	34.31	25.26	3,751.91	155.22	749.58	695.15	54.43	13.771	
14,000.00	10,485.31	13,365.73	9,806.97	35.53	35.11	25.25	3,851.91	155.10	749.98	694.75	55.24	13.578	
14,100.00	10,486.15	13,465.73	9,807.37	36.31	35.90	25.23	3,951.91	154.98	750.38	694.33	56.05	13.387	
14,200.00	10,486.98	13,565.73	9,807.76	37.09	36.70	25.22	4,051.91	154.87	750.79	693.91	56.87	13.201	
14,300.00	10,487.82	13,665.73	9,808.15	37.87	37.50	25.20	4,151.91	154.75	751.19	693.48	57.71	13.017	
14,400.00	10,488.65	13,765.73	9,808.54	38.66	38.31	25.19	4,251.90	154.63	751.59	693.04	58.55	12.838	
14,500.00	10,489.49	13,865.73	9,808.93	39.46	39.11	25.17	4,351.90	154.52	751.99	692.60	59.39	12.661	
14,600.00	10,490.32	13,965.73	9,809.32	40.25	39.92	25.16	4,451.90	154.40	752.39	692.15	60.25	12.489	
14,700.00	10,491.16	14,065.72	9,809.71	41.05	40.73	25.15	4,551.90	154.28	752.79	691.69	61.11	12.319	
14,800.00	10,491.99	14,165.72	9,810.10	41.85	41.54	25.13	4,651.90	154.17	753.20	691.22	61.97	12.153	
14,900.00	10,492.82	14,265.72	9,810.49	42.65	42.36	25.12	4,751.90	154.05	753.60	690.75	62.85	11.991	
15,000.00	10,493.66	14,365.72	9,810.88	43.46	43.17	25.10	4,851.89	153.93	754.00	690.27	63.73	11.832	
15,100.00	10,494.49	14,465.72	9,811.27	44.26	43.99	25.09	4,951.89	153.82	754.40	689.79	64.61	11.676	
15,200.00	10,495.33	14,565.72	9,811.66	45.07	44.81	25.07	5,051.89	153.70	754.80	689.30	65.50	11.523	
15,300.00	10,496.16	14,665.72	9,812.05	45.88	45.63	25.06	5,151.89	153.58	755.21	688.81	66.40	11.374	
15,400.00	10,497.00	14,765.72	9,812.44	46.69	46.45	25.05	5,251.89	153.47	755.61	688.31	67.30	11.227	
15,500.00	10,497.83	14,865.72	9,812.84	47.50	47.27	25.03	5,351.88	153.35	756.01	687.80	68.21	11.084	
15,600.00	10,498.67	14,965.72	9,813.23	48.32	48.10	25.02	5,451.88	153.23	756.41	687.29	69.12	10.944	
15,700.00	10,499.50	15,065.71	9,813.62	49.13	48.92	25.00	5,551.88	153.12	756.81	686.78	70.03	10.807	
15,800.00	10,500.33	15,165.71	9,814.01	49.95	49.75	24.99	5,651.88	153.00	757.22	686.27	70.95	10.672	
15,900.00	10,501.17	15,265.71	9,814.40	50.77	50.58	24.98	5,751.88	152.88	757.62	685.74	71.87	10.541	
16,000.00	10,502.00	15,365.71	9,814.79	51.59	51.40	24.96	5,851.88	152.77	758.02	685.22	72.80	10.412	
16,100.00	10,502.84	15,465.71	9,815.18	52.41	52.23	24.95	5,951.87	152.65	758.42	684.69	73.73	10.286	
16,200.00	10,503.67	15,565.71	9,815.57	53.23	53.06	24.93	6,051.87	152.53	758.83	684.16	74.67	10.163	
16,300.00	10,504.51	15,665.71	9,815.96	54.06	53.89	24.92	6,151.87	152.42	759.23	683.63	75.60	10.042	
16,400.00	10,505.34	15,765.71	9,816.35	54.88	54.73	24.90	6,251.87	152.30	759.63	683.09	76.54	9.924	
16,500.00	10,506.17	15,865.71	9,816.74	55.71	55.56	24.89	6,351.87	152.18	760.03	682.55	77.49	9.808	
16,600.00	10,507.01	15,965.71	9,817.13	56.53	56.39	24.88	6,451.86	152.07	760.44	682.00	78.43	9.695	
16,700.00	10,507.84	16,065.70	9,817.52	57.36	57.23	24.86	6,551.86	151.95	760.84	681.46	79.38	9.584	
16,800.00	10,508.68	16,165.70	9,817.91	58.19	58.06	24.85	6,651.86	151.83	761.24	680.91	80.34	9.476	
16,900.00	10,509.51	16,265.70	9,818.31	59.02	58.90	24.83	6,751.86	151.72	761.65	680.35	81.29	9.369	
17,000.00	10,510.35	16,365.70	9,818.70	59.85	59.73	24.82	6,851.86	151.60	762.05	679.80	82.25	9.265	
17,100.00	10,511.18	16,465.70	9,819.09	60.68	60.57	24.81	6,951.86	151.48	762.45	679.24	83.21	9.163	
17,200.00	10,512.02	16,565.70	9,819.48	61.51	61.41	24.79	7,051.85	151.37	762.85	678.68	84.17	9.063	
17,300.00	10,512.85	16,665.70	9,819.87	62.34	62.24	24.78	7,151.85	151.25	763.26	678.12	85.14	8.965	
17,400.00	10,513.68	16,765.70	9,820.26	63.17	63.08	24.76	7,251.85	151.13	763.66	677.56	86.10	8.869	
17,500.00	10,514.52	16,865.70	9,820.65	64.01	63.92	24.75	7,351.85	151.02	764.06	676.99	87.07	8.775	
17,600.00	10,515.35	16,965.70	9,821.04	64.84	64.76	24.74	7,451.85	150.90	764.47	676.42	88.04	8.683	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		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)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
17,700.00	10,516.19	17,065.69	9,821.43	65.67	65.60	24.72	7,551.84	150.78	764.87	675.85	89.02	8.592			
17,800.00	10,517.02	17,165.69	9,821.82	66.51	66.44	24.71	7,651.84	150.67	765.27	675.28	89.99	8.504			
17,900.00	10,517.86	17,265.69	9,822.21	67.34	67.28	24.70	7,751.84	150.55	765.68	674.71	90.97	8.417			
18,000.00	10,518.69	17,365.69	9,822.60	68.18	68.12	24.68	7,851.84	150.43	766.08	674.13	91.95	8.332			
18,100.00	10,519.53	17,465.69	9,822.99	69.02	68.96	24.67	7,951.84	150.32	766.48	673.56	92.93	8.248			
18,200.00	10,520.36	17,565.69	9,823.39	69.85	69.81	24.65	8,051.84	150.20	766.89	672.98	93.91	8.166			
18,300.00	10,521.19	17,665.69	9,823.78	70.69	70.65	24.64	8,151.83	150.08	767.29	672.40	94.89	8.086			
18,400.00	10,522.03	17,765.69	9,824.17	71.53	71.49	24.63	8,251.83	149.97	767.69	671.82	95.87	8.007			
18,500.00	10,522.86	17,865.69	9,824.56	72.37	72.33	24.61	8,351.83	149.85	768.10	671.24	96.86	7.930			
18,600.00	10,523.70	17,965.69	9,824.95	73.21	73.18	24.60	8,451.83	149.73	768.50	670.65	97.85	7.854			
18,700.00	10,524.53	18,065.68	9,825.34	74.05	74.02	24.59	8,551.83	149.62	768.90	670.07	98.84	7.780			
18,800.00	10,525.37	18,165.68	9,825.73	74.89	74.86	24.57	8,651.82	149.50	769.31	669.48	99.82	7.707			
18,900.00	10,526.20	18,265.68	9,826.12	75.73	75.71	24.56	8,751.82	149.38	769.71	668.89	100.82	7.635			
19,000.00	10,527.04	18,365.68	9,826.51	76.57	76.55	24.54	8,851.82	149.27	770.11	668.31	101.81	7.564			
19,100.00	10,527.87	18,465.68	9,826.90	77.41	77.40	24.53	8,951.82	149.15	770.52	667.72	102.80	7.495			
19,200.00	10,528.70	18,565.68	9,827.29	78.25	78.24	24.52	9,051.82	149.03	770.92	667.13	103.80	7.427			
19,300.00	10,529.54	18,665.68	9,827.68	79.09	79.09	24.50	9,151.82	148.92	771.33	666.54	104.79	7.361			
19,400.00	10,530.37	18,765.68	9,828.07	79.93	79.93	24.49	9,251.81	148.80	771.73	665.94	105.79	7.295			
19,500.00	10,531.21	18,865.68	9,828.46	80.77	80.78	24.48	9,351.81	148.68	772.13	665.35	106.78	7.231			
19,600.00	10,532.04	18,965.68	9,828.86	81.62	81.63	24.46	9,451.81	148.57	772.54	664.76	107.78	7.168			
19,700.00	10,532.88	19,065.68	9,829.25	82.46	82.47	24.45	9,551.81	148.45	772.94	664.16	108.78	7.105			
19,800.00	10,533.71	19,165.67	9,829.64	83.30	83.32	24.44	9,651.81	148.33	773.35	663.56	109.78	7.044			
19,900.00	10,534.54	19,265.67	9,830.03	84.14	84.17	24.42	9,751.80	148.22	773.75	662.97	110.78	6.984			
20,000.00	10,535.38	19,365.67	9,830.42	84.99	85.01	24.41	9,851.80	148.10	774.15	662.37	111.78	6.925			
20,100.00	10,536.21	19,465.67	9,830.81	85.83	85.86	24.39	9,951.80	147.98	774.56	661.77	112.79	6.868			
20,200.00	10,537.05	19,565.67	9,831.20	86.68	86.71	24.38	10,051.80	147.87	774.96	661.17	113.79	6.811			
20,300.00	10,537.88	19,665.67	9,831.59	87.52	87.55	24.37	10,151.80	147.75	775.37	660.57	114.79	6.755			
20,400.00	10,538.72	19,765.67	9,831.98	88.36	88.40	24.35	10,251.80	147.63	775.77	659.97	115.80	6.699			
20,500.00	10,539.55	19,865.67	9,832.37	89.21	89.25	24.34	10,351.79	147.52	776.18	659.37	116.80	6.645			
20,600.00	10,540.39	19,965.67	9,832.76	90.05	90.10	24.33	10,451.79	147.40	776.58	658.77	117.81	6.592			
20,685.65	10,541.10	20,051.31	9,833.10	90.78	90.82	24.32	10,537.44	147.30	776.93	658.26	118.67	6.547 SF			
20,686.55	10,541.11	20,051.98	9,833.10	90.78	90.83	24.32	10,538.10	147.30	776.93	658.27	118.66	6.548			

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP2													Offset Site Error: 0.00 usft	
Survey Program: Reference		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 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	0.90	0.00	0.00	0.01	100.97	-38.80	200.20	203.93					
100.00	100.00	100.90	100.00	0.77	0.77	100.97	-38.80	200.20	203.93	201.93	2.00	102.106		
200.00	200.00	200.90	200.00	1.44	1.44	100.97	-38.80	200.20	203.93	200.61	3.32	61.506		
300.00	300.00	300.90	300.00	1.88	1.89	100.97	-38.80	200.20	203.93	199.73	4.20	48.570		
400.00	400.00	400.90	400.00	2.25	2.25	100.97	-38.80	200.20	203.93	199.01	4.91	41.492		
500.00	500.00	500.90	500.00	2.56	2.56	100.97	-38.80	200.20	203.93	198.39	5.54	36.840		
600.00	600.00	600.90	600.00	2.84	2.85	100.97	-38.80	200.20	203.93	197.83	6.09	33.471		
700.00	700.00	700.90	700.00	3.10	3.11	100.97	-38.80	200.20	203.93	197.32	6.60	30.882		
800.00	800.00	800.90	800.00	3.34	3.35	100.97	-38.80	200.20	203.93	196.85	7.08	28.809		
900.00	900.00	900.90	900.00	3.57	3.57	100.97	-38.80	200.20	203.93	196.40	7.53	27.098		
1,000.00	1,000.00	1,000.90	1,000.00	3.79	3.79	100.97	-38.80	200.20	203.93	195.98	7.95	25.653		
1,100.00	1,100.00	1,100.90	1,100.00	3.99	3.99	100.97	-38.80	200.20	203.93	195.57	8.35	24.412		
1,200.00	1,200.00	1,200.90	1,200.00	4.19	4.19	100.97	-38.80	200.20	203.93	195.18	8.74	23.330		
1,300.00	1,300.00	1,300.90	1,300.00	4.38	4.38	100.97	-38.80	200.20	203.93	194.81	9.11	22.374		
1,400.00	1,400.00	1,400.90	1,400.00	4.56	4.56	100.97	-38.80	200.20	203.93	194.45	9.47	21.523		
1,500.00	1,500.00	1,500.90	1,500.00	4.74	4.74	100.97	-38.80	200.20	203.93	194.10	9.82	20.757		
1,600.00	1,600.00	1,600.90	1,600.00	4.91	4.91	100.97	-38.80	200.20	203.93	193.76	10.16	20.064		
1,700.00	1,700.00	1,700.90	1,700.00	5.08	5.08	100.97	-38.80	200.20	203.93	193.43	10.49	19.432		
1,800.00	1,800.00	1,800.90	1,800.00	5.24	5.24	100.97	-38.80	200.20	203.93	193.11	10.82	18.852		
1,900.00	1,900.00	1,900.90	1,900.00	5.40	5.40	100.97	-38.80	200.20	203.93	192.79	11.13	18.318		
2,000.00	2,000.00	2,000.97	2,000.07	5.56	5.56	100.97	-38.80	200.20	203.93	192.48	11.44	17.823		
2,100.00	2,099.98	2,108.62	2,107.70	5.79	5.81	155.78	-38.37	198.19	203.60	191.71	11.89	17.121		
2,200.00	2,199.84	2,216.23	2,215.12	6.01	6.05	156.41	-37.08	192.23	202.72	190.39	12.33	16.446		
2,300.00	2,299.45	2,323.74	2,322.15	6.26	6.32	157.46	-34.95	182.34	201.32	188.54	12.79	15.746		
2,400.08	2,398.78	2,431.21	2,428.68	6.52	6.61	158.97	-31.97	168.54	199.49	186.21	13.28	15.023		
2,500.00	2,497.73	2,538.27	2,534.21	6.73	6.89	160.73	-28.17	150.91	195.69	181.98	13.71	14.269		
2,600.00	2,596.75	2,640.36	2,634.30	6.95	7.12	162.57	-23.92	131.24	189.15	175.00	14.15	13.363		
2,700.00	2,695.78	2,739.95	2,731.89	7.20	7.39	164.50	-19.74	111.84	182.59	167.92	14.67	12.443		
2,800.00	2,794.81	2,839.54	2,829.48	7.46	7.67	166.56	-15.55	92.43	176.25	161.03	15.23	11.576		
2,900.00	2,893.83	2,939.13	2,927.07	7.74	7.97	168.78	-11.36	73.02	170.16	154.36	15.81	10.766		
3,000.00	2,992.86	3,038.72	3,024.66	8.03	8.29	171.16	-7.17	53.61	164.35	147.94	16.41	10.016		
3,100.00	3,091.89	3,138.31	3,122.25	8.34	8.62	173.71	-2.99	34.21	158.83	141.81	17.03	9.329		
3,200.00	3,190.91	3,237.90	3,219.84	8.65	8.96	176.43	1.20	14.80	153.66	136.01	17.65	8.706		
3,212.64	3,203.43	3,250.48	3,232.17	8.68	9.01	176.79	1.73	12.35	153.03	135.31	17.72	8.636		
3,300.00	3,290.03	3,337.45	3,317.39	8.98	9.31	179.33	5.39	-4.60	148.19	129.91	18.27	8.109		
3,400.00	3,389.36	3,436.90	3,414.85	9.30	9.68	-177.52	9.57	-23.98	141.40	122.53	18.87	7.494		
3,500.00	3,488.88	3,536.22	3,512.17	9.62	10.05	-173.99	13.74	-43.34	133.35	113.94	19.42	6.868		
3,600.00	3,588.55	3,635.37	3,609.33	9.94	10.43	-169.89	17.91	-62.66	124.16	104.27	19.89	6.242		
3,700.00	3,688.35	3,734.32	3,706.30	10.24	10.81	-164.93	22.07	-81.94	114.02	93.77	20.25	5.632		
3,800.00	3,788.24	3,833.05	3,803.04	10.53	11.20	-158.73	26.22	-101.18	103.26	82.86	20.40	5.061		
3,900.00	3,888.20	3,931.52	3,899.54	10.80	11.59	-150.70	30.36	-120.37	92.45	72.20	20.25	4.565		
4,000.00	3,988.19	4,029.71	3,995.75	11.02	11.99	-140.13	34.49	-139.51	82.54	62.89	19.65	4.200		
4,012.81	4,001.00	4,042.26	4,008.06	11.02	12.04	166.85	35.02	-141.95	81.41	61.88	19.53	4.169		
4,100.00	4,088.19	4,127.70	4,091.78	11.10	12.39	178.64	38.61	-158.60	75.49	56.84	18.65	4.048 SF		
4,190.37	4,178.57	4,216.26	4,178.56	11.17	12.76	-167.82	42.34	-175.86	73.31	55.34	17.97	4.079 CC, ES		
4,200.00	4,188.19	4,225.70	4,187.81	11.17	12.80	-166.35	42.73	-177.70	73.34	55.40	17.94	4.088		
4,300.00	4,288.19	4,323.69	4,283.83	11.25	13.21	-151.54	46.85	-196.80	76.50	58.30	18.20	4.204		
4,400.00	4,388.19	4,421.68	4,379.86	11.32	13.62	-138.64	50.97	-215.89	84.39	65.04	19.35	4.362		
4,500.00	4,488.19	4,519.68	4,475.89	11.39	14.04	-128.30	55.09	-234.99	95.84	75.03	20.81	4.606		
4,600.00	4,588.19	4,617.67	4,571.91	11.47	14.45	-120.32	59.21	-254.09	109.74	87.53	22.21	4.940		
4,700.00	4,688.19	4,715.66	4,667.94	11.54	14.88	-114.19	63.33	-273.18	125.29	101.83	23.46	5.341		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
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)	Distance (usft)	Factor	Warning
4,800.00	4,788.19	4,813.65	4,763.96	11.61	15.30	-109.44	67.45	-292.28	141.94	117.39	24.54	5.783	
4,900.00	4,888.19	4,911.65	4,859.99	11.69	15.72	-105.70	71.57	-311.38	159.34	133.83	25.51	6.246	
5,000.00	4,988.19	5,009.64	4,956.01	11.76	16.15	-102.69	75.69	-330.47	177.28	150.89	26.39	6.718	
5,100.00	5,088.19	5,107.63	5,052.04	11.84	16.58	-100.24	79.81	-349.57	195.60	168.40	27.20	7.191	
5,200.00	5,188.19	5,205.62	5,148.06	11.91	17.01	-98.21	83.93	-368.67	214.22	186.25	27.97	7.659	
5,300.00	5,288.19	5,303.62	5,244.09	11.98	17.45	-96.51	88.05	-387.76	233.05	204.35	28.70	8.119	
5,400.00	5,388.19	5,401.61	5,340.11	12.06	17.88	-95.06	92.17	-406.86	252.05	222.64	29.41	8.570	
5,500.00	5,488.19	5,499.72	5,436.25	12.13	18.31	-93.81	96.30	-425.98	271.19	241.09	30.10	9.009	
5,600.00	5,588.19	5,605.47	5,540.17	12.21	18.92	-92.73	100.43	-445.14	289.08	258.08	31.00	9.326	
5,700.00	5,688.19	5,712.26	5,645.62	12.28	19.38	-91.90	103.99	-461.62	304.38	272.71	31.67	9.612	
5,800.00	5,788.19	5,819.92	5,752.36	12.36	19.83	-91.28	106.95	-475.32	317.03	284.74	32.28	9.820	
5,900.00	5,888.19	5,928.30	5,860.17	12.43	20.26	-90.83	109.28	-486.13	326.97	294.12	32.85	9.955	
6,000.00	5,988.19	6,037.22	5,968.79	12.51	20.66	-90.52	110.97	-493.98	334.16	300.82	33.34	10.023	
6,100.00	6,088.19	6,146.52	6,077.97	12.58	21.02	-90.34	112.01	-498.81	338.57	304.82	33.76	10.030	
6,200.00	6,188.19	6,256.00	6,187.44	12.66	21.26	-90.27	112.40	-500.59	340.20	306.20	34.00	10.006	
6,300.00	6,288.19	6,356.76	6,288.19	12.73	21.29	-90.27	112.40	-500.60	340.20	306.11	34.09	9.979	
6,400.00	6,388.19	6,456.76	6,388.19	12.81	21.33	-90.27	112.40	-500.60	340.20	306.01	34.19	9.950	
6,500.00	6,488.19	6,556.76	6,488.19	12.88	21.37	-90.27	112.40	-500.60	340.20	305.91	34.29	9.920	
6,600.00	6,588.19	6,656.76	6,588.19	12.96	21.41	-90.27	112.40	-500.60	340.20	305.81	34.40	9.891	
6,700.00	6,688.19	6,756.76	6,688.19	13.03	21.44	-90.27	112.40	-500.60	340.20	305.71	34.50	9.861	
6,800.00	6,788.19	6,856.76	6,788.19	13.11	21.48	-90.27	112.40	-500.60	340.20	305.60	34.60	9.832	
6,900.00	6,888.19	6,956.76	6,888.19	13.18	21.52	-90.27	112.40	-500.60	340.20	305.50	34.70	9.803	
7,000.00	6,988.19	7,056.76	6,988.19	13.26	21.56	-90.27	112.40	-500.60	340.20	305.40	34.81	9.774	
7,100.00	7,088.19	7,156.76	7,088.19	13.33	21.60	-90.27	112.40	-500.60	340.20	305.29	34.91	9.744	
7,200.00	7,188.19	7,256.76	7,188.19	13.41	21.64	-90.27	112.40	-500.60	340.20	305.19	35.02	9.715	
7,300.00	7,288.19	7,356.76	7,288.19	13.49	21.68	-90.27	112.40	-500.60	340.20	305.08	35.12	9.686	
7,400.00	7,388.19	7,456.76	7,388.19	13.56	21.72	-90.27	112.40	-500.60	340.20	304.98	35.23	9.657	
7,500.00	7,488.19	7,556.76	7,488.19	13.64	21.76	-90.27	112.40	-500.60	340.20	304.87	35.33	9.628	
7,600.00	7,588.19	7,656.76	7,588.19	13.71	21.80	-90.27	112.40	-500.60	340.20	304.76	35.44	9.599	
7,700.00	7,688.19	7,756.76	7,688.19	13.79	21.84	-90.27	112.40	-500.60	340.20	304.66	35.55	9.570	
7,800.00	7,788.19	7,856.76	7,788.19	13.87	21.88	-90.27	112.40	-500.60	340.20	304.55	35.66	9.541	
7,900.00	7,888.19	7,956.76	7,888.19	13.94	21.92	-90.27	112.40	-500.60	340.20	304.44	35.76	9.513	
8,000.00	7,988.19	8,056.76	7,988.19	14.02	21.96	-90.27	112.40	-500.60	340.20	304.33	35.87	9.484	
8,100.00	8,088.19	8,156.76	8,088.19	14.09	22.00	-90.27	112.40	-500.60	340.20	304.22	35.98	9.455	
8,200.00	8,188.19	8,256.76	8,188.19	14.17	22.05	-90.27	112.40	-500.60	340.20	304.12	36.09	9.427	
8,300.00	8,288.19	8,356.76	8,288.19	14.25	22.09	-90.27	112.40	-500.60	340.20	304.01	36.20	9.398	
8,400.00	8,388.19	8,456.76	8,388.19	14.32	22.13	-90.27	112.40	-500.60	340.20	303.90	36.31	9.370	
8,500.00	8,488.19	8,556.76	8,488.19	14.40	22.17	-90.27	112.40	-500.60	340.20	303.79	36.42	9.342	
8,600.00	8,588.19	8,656.76	8,588.19	14.48	22.21	-90.27	112.40	-500.60	340.20	303.68	36.53	9.313	
8,700.00	8,688.19	8,756.76	8,688.19	14.55	22.26	-90.27	112.40	-500.60	340.20	303.56	36.64	9.285	
8,800.00	8,788.19	8,856.76	8,788.19	14.63	22.30	-90.27	112.40	-500.60	340.20	303.45	36.75	9.257	
8,900.00	8,888.19	8,956.76	8,888.19	14.71	22.34	-90.27	112.40	-500.60	340.20	303.34	36.86	9.229	
9,000.00	8,988.19	9,056.76	8,988.19	14.78	22.39	-90.27	112.40	-500.60	340.20	303.23	36.97	9.201	
9,100.00	9,088.19	9,156.76	9,088.19	14.86	22.42	-90.27	112.40	-500.60	340.20	303.13	37.08	9.176	
9,157.01	9,145.20	9,213.80	9,145.20	14.91	22.43	-90.07	113.58	-500.60	340.20	303.06	37.14	9.160	
9,200.00	9,188.19	9,256.30	9,187.41	14.94	22.44	-89.25	118.45	-500.61	340.24	302.99	37.25	9.135	
9,300.00	9,288.19	9,350.00	9,277.88	15.02	22.44	-85.25	142.27	-500.63	341.56	303.87	37.69	9.061	
9,400.00	9,388.19	9,431.39	9,351.40	15.09	22.46	-79.52	176.96	-500.67	348.00	309.75	38.26	9.097	
9,500.00	9,488.19	9,500.00	9,408.06	15.17	22.47	-73.39	215.55	-500.72	364.08	325.39	38.68	9.412	
9,600.00	9,588.19	9,555.35	9,449.36	15.25	22.48	-67.88	252.35	-500.76	392.76	353.89	38.86	10.106	
9,700.00	9,688.19	9,600.00	9,479.40	15.32	22.50	-63.28	285.36	-500.80	434.54	395.69	38.86	11.184	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
9,800.00	9,788.19	9,637.34	9,502.07	15.40	22.51	-59.44	315.02	-500.84	488.03	449.26	38.76	12.590	
9,900.00	9,888.19	9,667.53	9,518.66	15.48	22.53	-56.40	340.24	-500.86	551.05	512.36	38.69	14.243	
9,992.46	9,980.65	9,690.83	9,530.35	15.55	22.54	-54.11	360.39	-500.89	615.97	577.30	38.67	15.929	
10,000.00	9,988.19	9,692.59	9,531.19	15.55	22.54	-53.10	361.94	-500.89	621.47	582.74	38.73	16.046	
10,025.00	10,013.17	9,700.00	9,534.68	15.55	22.55	-49.97	368.47	-500.90	639.60	600.87	38.73	16.516	
10,050.00	10,038.05	9,700.00	9,534.68	15.56	22.55	-47.65	368.47	-500.90	657.52	618.76	38.76	16.964	
10,075.00	10,062.78	9,711.42	9,539.85	15.57	22.55	-44.68	378.65	-500.91	675.07	636.32	38.75	17.419	
10,100.00	10,087.28	9,725.00	9,545.68	15.57	22.56	-41.87	390.92	-500.92	692.41	653.66	38.75	17.869	
10,125.00	10,111.50	9,725.00	9,545.68	15.58	22.56	-40.09	390.92	-500.92	709.21	670.41	38.80	18.277	
10,150.00	10,135.35	9,732.27	9,548.66	15.59	22.57	-38.07	397.54	-500.93	725.67	686.84	38.83	18.686	
10,175.00	10,158.78	9,739.58	9,551.56	15.59	22.57	-36.23	404.26	-500.94	741.68	702.81	38.87	19.080	
10,200.00	10,181.72	9,750.00	9,555.50	15.60	22.58	-34.46	413.90	-500.95	757.21	718.31	38.90	19.465	
10,225.00	10,204.11	9,750.00	9,555.50	15.61	22.58	-33.20	413.90	-500.95	772.23	733.26	38.97	19.816	
10,250.00	10,225.88	9,762.44	9,559.93	15.62	22.59	-31.67	425.53	-500.96	786.66	747.65	39.00	20.170	
10,275.00	10,246.99	9,775.00	9,564.10	15.63	22.60	-30.30	437.38	-500.98	800.57	761.54	39.04	20.509	
10,300.00	10,267.36	9,775.00	9,564.10	15.64	22.60	-29.36	437.38	-500.98	813.85	774.74	39.11	20.811	
10,325.00	10,286.95	9,786.41	9,567.62	15.65	22.61	-28.26	448.23	-500.99	826.50	787.35	39.15	21.112	
10,350.00	10,305.70	9,800.00	9,571.46	15.66	22.62	-27.24	461.26	-501.00	838.58	799.39	39.19	21.399	
10,375.00	10,323.56	9,800.00	9,571.46	15.68	22.62	-26.54	461.26	-501.00	849.92	810.67	39.25	21.652	
10,400.00	10,340.48	9,811.26	9,574.37	15.69	22.63	-25.74	472.14	-501.02	860.61	821.31	39.30	21.899	
10,425.00	10,356.41	9,825.00	9,577.56	15.70	22.64	-25.00	485.51	-501.03	870.67	831.33	39.34	22.133	
10,450.00	10,371.31	9,825.00	9,577.56	15.72	22.64	-24.50	485.51	-501.03	879.95	840.55	39.40	22.335	
10,475.00	10,385.14	9,836.76	9,579.99	15.74	22.66	-23.92	497.01	-501.05	888.53	849.09	39.44	22.529	
10,500.00	10,397.87	9,850.00	9,582.39	15.75	22.67	-23.40	510.03	-501.06	896.43	856.95	39.48	22.706	
10,525.00	10,409.45	9,850.00	9,582.39	15.77	22.67	-23.05	510.03	-501.06	903.55	864.02	39.53	22.858	
10,550.00	10,419.85	9,862.74	9,584.35	15.79	22.68	-22.65	522.62	-501.08	909.90	870.34	39.56	22.998	
10,575.00	10,429.05	9,875.00	9,585.92	15.81	22.70	-22.32	534.78	-501.09	915.54	875.94	39.60	23.120	
10,600.00	10,437.02	9,875.00	9,585.92	15.84	22.70	-22.09	534.78	-501.09	920.42	880.79	39.63	23.223	
10,625.00	10,443.74	9,889.06	9,587.34	15.86	22.71	-21.84	548.77	-501.11	924.47	884.80	39.67	23.306	
10,650.00	10,449.19	9,900.00	9,588.15	15.89	22.73	-21.66	559.68	-501.12	927.78	888.09	39.69	23.373	
10,675.00	10,453.36	9,900.00	9,588.15	15.92	22.73	-21.55	559.68	-501.12	930.38	890.67	39.71	23.428	
10,700.00	10,456.23	9,915.58	9,588.88	15.95	22.75	-21.44	575.24	-501.14	932.06	892.32	39.74	23.454	
10,725.00	10,457.80	9,925.00	9,589.08	15.98	22.76	-21.39	584.66	-501.15	933.02	893.26	39.76	23.467	
10,738.48	10,458.10	9,932.05	9,589.12	16.00	22.77	-21.38	591.71	-501.16	933.21	893.44	39.77	23.467	
10,800.00	10,458.61	9,993.58	9,589.45	16.09	22.86	-21.38	653.23	-501.23	933.38	893.53	39.85	23.424	
10,900.00	10,459.45	10,093.58	9,589.98	16.30	23.04	-21.37	753.23	-501.34	933.66	893.65	40.01	23.334	
11,000.00	10,460.28	10,193.58	9,590.52	16.55	23.25	-21.36	853.23	-501.46	933.94	893.74	40.21	23.229	
11,100.00	10,461.12	10,293.58	9,591.05	16.85	23.50	-21.36	953.23	-501.58	934.22	893.80	40.42	23.111	
11,200.00	10,461.95	10,393.58	9,591.58	17.20	23.77	-21.35	1,053.23	-501.69	934.50	893.84	40.67	22.979	
11,300.00	10,462.79	10,493.58	9,592.11	17.60	24.07	-21.34	1,153.22	-501.81	934.79	893.85	40.94	22.835	
11,400.00	10,463.62	10,593.57	9,592.64	18.03	24.40	-21.33	1,253.22	-501.92	935.07	893.84	41.23	22.680	
11,500.00	10,464.45	10,693.57	9,593.18	18.50	24.76	-21.33	1,353.22	-502.04	935.35	893.80	41.55	22.514	
11,600.00	10,465.29	10,793.57	9,593.71	19.00	25.14	-21.32	1,453.22	-502.16	935.63	893.74	41.89	22.338	
11,700.00	10,466.12	10,893.57	9,594.24	19.52	25.54	-21.31	1,553.22	-502.27	935.91	893.66	42.25	22.152	
11,800.00	10,466.96	10,993.57	9,594.77	20.07	25.97	-21.31	1,653.21	-502.39	936.19	893.56	42.63	21.959	
11,900.00	10,467.79	11,093.57	9,595.31	20.65	26.42	-21.30	1,753.21	-502.50	936.47	893.43	43.04	21.758	
12,000.00	10,468.63	11,193.57	9,595.84	21.24	26.90	-21.29	1,853.21	-502.62	936.75	893.28	43.47	21.550	
12,100.00	10,469.46	11,293.57	9,596.37	21.86	27.39	-21.29	1,953.21	-502.74	937.03	893.12	43.92	21.337	
12,200.00	10,470.30	11,393.57	9,596.90	22.49	27.90	-21.28	2,053.21	-502.85	937.32	892.93	44.38	21.118	
12,300.00	10,471.13	11,493.57	9,597.44	23.13	28.43	-21.27	2,153.20	-502.97	937.60	892.73	44.87	20.895	
12,400.00	10,471.96	11,593.57	9,597.97	23.79	28.97	-21.27	2,253.20	-503.09	937.88	892.50	45.38	20.669	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,500.00	10,472.80	11,693.57	9,598.50	24.46	29.53	-21.26	2,353.20	-503.20	938.16	892.26	45.90	20.439	
12,600.00	10,473.63	11,793.57	9,599.03	25.15	30.10	-21.25	2,453.20	-503.32	938.44	892.00	46.44	20.208	
12,700.00	10,474.47	11,893.57	9,599.56	25.84	30.69	-21.25	2,553.20	-503.43	938.72	891.72	47.00	19.974	
12,800.00	10,475.30	11,993.57	9,600.10	26.54	31.29	-21.24	2,653.19	-503.55	939.00	891.43	47.57	19.739	
12,900.00	10,476.14	12,093.57	9,600.63	27.26	31.90	-21.23	2,753.19	-503.67	939.28	891.13	48.16	19.504	
13,000.00	10,476.97	12,193.57	9,601.16	27.98	32.53	-21.23	2,853.19	-503.78	939.57	890.80	48.76	19.269	
13,100.00	10,477.81	12,293.57	9,601.69	28.71	33.16	-21.22	2,953.19	-503.90	939.85	890.47	49.38	19.034	
13,200.00	10,478.64	12,393.57	9,602.23	29.44	33.80	-21.21	3,053.19	-504.01	940.13	890.12	50.01	18.799	
13,300.00	10,479.47	12,493.57	9,602.76	30.18	34.46	-21.21	3,153.18	-504.13	940.41	889.76	50.65	18.565	
13,400.00	10,480.31	12,593.57	9,603.29	30.93	35.12	-21.20	3,253.18	-504.25	940.69	889.38	51.31	18.333	
13,500.00	10,481.14	12,693.57	9,603.82	31.69	35.79	-21.19	3,353.18	-504.36	940.97	888.99	51.98	18.103	
13,600.00	10,481.98	12,793.56	9,604.35	32.45	36.47	-21.19	3,453.18	-504.48	941.25	888.59	52.66	17.874	
13,700.00	10,482.81	12,893.56	9,604.89	33.21	37.16	-21.18	3,553.18	-504.59	941.53	888.18	53.35	17.647	
13,800.00	10,483.65	12,993.56	9,605.42	33.98	37.85	-21.17	3,653.17	-504.71	941.82	887.76	54.06	17.423	
13,900.00	10,484.48	13,093.56	9,605.95	34.75	38.55	-21.17	3,753.17	-504.83	942.10	887.33	54.77	17.201	
14,000.00	10,485.31	13,193.56	9,606.48	35.53	39.26	-21.16	3,853.17	-504.94	942.38	886.89	55.49	16.982	
14,100.00	10,486.15	13,293.56	9,607.02	36.31	39.97	-21.15	3,953.17	-505.06	942.66	886.44	56.22	16.766	
14,200.00	10,486.98	13,393.56	9,607.55	37.09	40.69	-21.15	4,053.17	-505.17	942.94	885.98	56.97	16.553	
14,300.00	10,487.82	13,493.56	9,608.08	37.87	41.41	-21.14	4,153.17	-505.29	943.22	885.51	57.72	16.342	
14,400.00	10,488.65	13,593.56	9,608.61	38.66	42.14	-21.13	4,253.16	-505.41	943.50	885.03	58.48	16.135	
14,500.00	10,489.49	13,693.56	9,609.14	39.46	42.87	-21.13	4,353.16	-505.52	943.79	884.54	59.24	15.931	
14,600.00	10,490.32	13,793.56	9,609.68	40.25	43.61	-21.12	4,453.16	-505.64	944.07	884.05	60.02	15.730	
14,700.00	10,491.16	13,893.56	9,610.21	41.05	44.35	-21.11	4,553.16	-505.75	944.35	883.55	60.80	15.532	
14,800.00	10,491.99	13,993.56	9,610.74	41.85	45.10	-21.11	4,653.16	-505.87	944.63	883.04	61.59	15.337	
14,900.00	10,492.82	14,093.56	9,611.27	42.65	45.85	-21.10	4,753.15	-505.99	944.91	882.52	62.39	15.146	
15,000.00	10,493.66	14,193.56	9,611.81	43.46	46.60	-21.09	4,853.15	-506.10	945.19	882.00	63.19	14.958	
15,100.00	10,494.49	14,293.56	9,612.34	44.26	47.36	-21.09	4,953.15	-506.22	945.48	881.47	64.00	14.773	
15,200.00	10,495.33	14,393.56	9,612.87	45.07	48.12	-21.08	5,053.15	-506.34	945.76	880.94	64.82	14.591	
15,300.00	10,496.16	14,493.56	9,613.40	45.88	48.88	-21.07	5,153.15	-506.45	946.04	880.40	65.64	14.413	
15,400.00	10,497.00	14,593.56	9,613.94	46.69	49.65	-21.07	5,253.14	-506.57	946.32	879.85	66.47	14.238	
15,500.00	10,497.83	14,693.56	9,614.47	47.50	50.42	-21.06	5,353.14	-506.68	946.60	879.30	67.30	14.066	
15,600.00	10,498.67	14,793.56	9,615.00	48.32	51.19	-21.05	5,453.14	-506.80	946.88	878.75	68.14	13.897	
15,700.00	10,499.50	14,893.56	9,615.53	49.13	51.97	-21.05	5,553.14	-506.92	947.16	878.18	68.98	13.731	
15,800.00	10,500.33	14,993.55	9,616.06	49.95	52.74	-21.04	5,653.14	-507.03	947.45	877.62	69.83	13.568	
15,900.00	10,501.17	15,093.55	9,616.60	50.77	53.53	-21.03	5,753.13	-507.15	947.73	877.05	70.68	13.408	
16,000.00	10,502.00	15,193.55	9,617.13	51.59	54.31	-21.03	5,853.13	-507.26	948.01	876.47	71.54	13.252	
16,100.00	10,502.84	15,293.55	9,617.66	52.41	55.09	-21.02	5,953.13	-507.38	948.29	875.89	72.40	13.098	
16,200.00	10,503.67	15,393.55	9,618.19	53.23	55.88	-21.01	6,053.13	-507.50	948.57	875.31	73.27	12.947	
16,300.00	10,504.51	15,493.55	9,618.73	54.06	56.67	-21.01	6,153.13	-507.61	948.85	874.72	74.14	12.799	
16,400.00	10,505.34	15,593.55	9,619.26	54.88	57.46	-21.00	6,253.12	-507.73	949.14	874.13	75.01	12.653	
16,500.00	10,506.17	15,693.55	9,619.79	55.71	58.25	-20.99	6,353.12	-507.84	949.42	873.53	75.89	12.511	
16,600.00	10,507.01	15,793.55	9,620.32	56.53	59.05	-20.99	6,453.12	-507.96	949.70	872.93	76.77	12.371	
16,700.00	10,507.84	15,893.55	9,620.85	57.36	59.84	-20.98	6,553.12	-508.08	949.98	872.33	77.65	12.234	
16,800.00	10,508.68	15,993.55	9,621.39	58.19	60.64	-20.97	6,653.12	-508.19	950.26	871.72	78.54	12.099	
16,900.00	10,509.51	16,093.55	9,621.92	59.02	61.44	-20.97	6,753.11	-508.31	950.55	871.11	79.43	11.967	
17,000.00	10,510.35	16,193.55	9,622.45	59.85	62.24	-20.96	6,853.11	-508.42	950.83	870.50	80.33	11.837	
17,100.00	10,511.18	16,293.55	9,622.98	60.68	63.04	-20.95	6,953.11	-508.54	951.11	869.88	81.22	11.710	
17,200.00	10,512.02	16,393.55	9,623.52	61.51	63.85	-20.95	7,053.11	-508.66	951.39	869.27	82.12	11.585	
17,300.00	10,512.85	16,493.55	9,624.05	62.34	64.65	-20.94	7,153.11	-508.77	951.67	868.64	83.03	11.462	
17,400.00	10,513.68	16,593.55	9,624.58	63.17	65.46	-20.93	7,253.10	-508.89	951.95	868.02	83.93	11.342	
17,500.00	10,514.52	16,693.55	9,625.11	64.01	66.27	-20.93	7,353.10	-509.01	952.24	867.39	84.84	11.224	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		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)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
17,600.00	10,515.35	16,793.55	9,625.65	64.84	67.08	-20.92	7,453.10	-509.12	952.52	866.77	85.75	11.108	
17,700.00	10,516.19	16,893.55	9,626.18	65.67	67.89	-20.91	7,553.10	-509.24	952.80	866.13	86.67	10.994	
17,800.00	10,517.02	16,993.55	9,626.71	66.51	68.70	-20.91	7,653.10	-509.35	953.08	865.50	87.58	10.882	
17,900.00	10,517.86	17,093.55	9,627.24	67.34	69.51	-20.90	7,753.10	-509.47	953.36	864.86	88.50	10.773	
18,000.00	10,518.69	17,193.54	9,627.77	68.18	70.32	-20.90	7,853.09	-509.59	953.65	864.23	89.42	10.665	
18,100.00	10,519.53	17,293.54	9,628.31	69.02	71.14	-20.89	7,953.09	-509.70	953.93	863.59	90.34	10.559	
18,200.00	10,520.36	17,393.54	9,628.84	69.85	71.95	-20.88	8,053.09	-509.82	954.21	862.94	91.27	10.455	
18,300.00	10,521.19	17,493.54	9,629.37	70.69	72.77	-20.88	8,153.09	-509.93	954.49	862.30	92.19	10.353	
18,400.00	10,522.03	17,593.54	9,629.90	71.53	73.59	-20.87	8,253.09	-510.05	954.77	861.65	93.12	10.253	
18,500.00	10,522.86	17,693.54	9,630.44	72.37	74.41	-20.86	8,353.08	-510.17	955.06	861.00	94.05	10.155	
18,600.00	10,523.70	17,793.54	9,630.97	73.21	75.22	-20.86	8,453.08	-510.28	955.34	860.36	94.98	10.058	
18,700.00	10,524.53	17,893.54	9,631.50	74.05	76.04	-20.85	8,553.08	-510.40	955.62	859.70	95.92	9.963	
18,800.00	10,525.37	17,993.54	9,632.03	74.89	76.87	-20.84	8,653.08	-510.51	955.90	859.05	96.85	9.870	
18,900.00	10,526.20	18,093.54	9,632.56	75.73	77.69	-20.84	8,753.08	-510.63	956.18	858.40	97.79	9.778	
19,000.00	10,527.04	18,193.54	9,633.10	76.57	78.51	-20.83	8,853.07	-510.75	956.47	857.74	98.73	9.688	
19,100.00	10,527.87	18,293.54	9,633.63	77.41	79.33	-20.82	8,953.07	-510.86	956.75	857.08	99.67	9.599	
19,200.00	10,528.70	18,393.54	9,634.16	78.25	80.16	-20.82	9,053.07	-510.98	957.03	856.42	100.61	9.512	
19,300.00	10,529.54	18,493.54	9,634.69	79.09	80.98	-20.81	9,153.07	-511.09	957.31	855.76	101.55	9.427	
19,400.00	10,530.37	18,593.54	9,635.23	79.93	81.81	-20.80	9,253.07	-511.21	957.59	855.10	102.50	9.343	
19,500.00	10,531.21	18,693.54	9,635.76	80.77	82.63	-20.80	9,353.06	-511.33	957.88	854.43	103.44	9.260	
19,600.00	10,532.04	18,793.54	9,636.29	81.62	83.46	-20.79	9,453.06	-511.44	958.16	853.77	104.39	9.179	
19,700.00	10,532.88	18,893.54	9,636.82	82.46	84.29	-20.78	9,553.06	-511.56	958.44	853.10	105.34	9.099	
19,800.00	10,533.71	18,993.54	9,637.35	83.30	85.11	-20.78	9,653.06	-511.68	958.72	852.43	106.29	9.020	
19,900.00	10,534.54	19,093.54	9,637.89	84.14	85.94	-20.77	9,753.06	-511.79	959.00	851.77	107.24	8.943	
20,000.00	10,535.38	19,193.54	9,638.42	84.99	86.77	-20.77	9,853.05	-511.91	959.29	851.10	108.19	8.867	
20,100.00	10,536.21	19,293.54	9,638.95	85.83	87.60	-20.76	9,953.05	-512.02	959.57	850.43	109.14	8.792	
20,200.00	10,537.05	19,393.53	9,639.48	86.68	88.43	-20.75	10,053.05	-512.14	959.85	849.75	110.10	8.718	
20,300.00	10,537.88	19,493.53	9,640.02	87.52	89.26	-20.75	10,153.05	-512.26	960.13	849.08	111.05	8.646	
20,400.00	10,538.72	19,593.53	9,640.55	88.36	90.09	-20.74	10,253.05	-512.37	960.42	848.41	112.01	8.574	
20,500.00	10,539.55	19,693.53	9,641.08	89.21	90.92	-20.73	10,353.04	-512.49	960.70	847.73	112.97	8.504	
20,600.00	10,540.39	19,793.53	9,641.61	90.05	91.75	-20.73	10,453.04	-512.60	960.98	847.05	113.93	8.435	
20,685.65	10,541.10	19,879.18	9,642.07	90.78	92.47	-20.72	10,538.69	-512.70	961.22	846.48	114.74	8.377	
20,686.55	10,541.11	19,880.08	9,642.07	90.78	92.47	-20.72	10,539.59	-512.70	961.22	846.48	114.74	8.377	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance		No-Go		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	
0.00	0.00	0.90	0.00	0.00	0.01	106.33	-58.70	200.40	208.82				
100.00	100.00	100.90	100.00	0.77	0.77	106.33	-58.70	200.40	208.82	206.82	2.00	104.557	
200.00	200.00	200.90	200.00	1.44	1.44	106.33	-58.70	200.40	208.82	205.50	3.32	62.983	
300.00	300.00	300.90	300.00	1.88	1.89	106.33	-58.70	200.40	208.82	204.62	4.20	49.736	
400.00	400.00	400.90	400.00	2.25	2.25	106.33	-58.70	200.40	208.82	203.91	4.91	42.488	
500.00	500.00	500.90	500.00	2.56	2.56	106.33	-58.70	200.40	208.82	203.28	5.54	37.724	
600.00	600.00	600.90	600.00	2.84	2.85	106.33	-58.70	200.40	208.82	202.73	6.09	34.275	
700.00	700.00	700.90	700.00	3.10	3.11	106.33	-58.70	200.40	208.82	202.22	6.60	31.623	
800.00	800.00	800.90	800.00	3.34	3.35	106.33	-58.70	200.40	208.82	201.74	7.08	29.500	
900.00	900.00	900.90	900.00	3.57	3.57	106.33	-58.70	200.40	208.82	201.29	7.53	27.748	
1,000.00	1,000.00	1,000.90	1,000.00	3.79	3.79	106.33	-58.70	200.40	208.82	200.87	7.95	26.269	
1,100.00	1,100.00	1,100.90	1,100.00	3.99	3.99	106.33	-58.70	200.40	208.82	200.47	8.35	24.998	
1,200.00	1,200.00	1,200.90	1,200.00	4.19	4.19	106.33	-58.70	200.40	208.82	200.08	8.74	23.890	
1,300.00	1,300.00	1,300.90	1,300.00	4.38	4.38	106.33	-58.70	200.40	208.82	199.71	9.11	22.911	
1,400.00	1,400.00	1,400.90	1,400.00	4.56	4.56	106.33	-58.70	200.40	208.82	199.35	9.47	22.039	
1,500.00	1,500.00	1,500.96	1,500.06	4.74	4.74	106.33	-58.70	200.40	208.82	198.99	9.83	21.253	
1,600.00	1,600.00	1,607.55	1,606.62	4.91	5.02	106.62	-59.22	198.45	207.20	196.96	10.24	20.234	
1,700.00	1,700.00	1,713.84	1,712.74	5.08	5.30	107.50	-60.76	192.69	202.45	191.81	10.64	19.033	
1,800.00	1,800.00	1,819.55	1,817.99	5.24	5.60	109.06	-63.31	183.20	194.67	183.64	11.03	17.652	
1,900.00	1,900.00	1,924.39	1,921.94	5.40	5.91	111.45	-66.82	170.09	184.06	172.65	11.41	16.129	
2,000.00	2,000.00	2,028.10	2,024.21	5.56	6.24	114.90	-71.26	153.52	170.97	159.19	11.78	14.512	
2,100.00	2,099.98	2,130.65	2,124.67	5.79	6.59	174.51	-76.59	133.62	157.70	145.51	12.19	12.936	
2,200.00	2,199.84	2,232.14	2,223.30	6.01	6.96	-178.65	-82.78	110.52	146.95	134.39	12.56	11.704	
2,300.00	2,299.45	2,332.44	2,319.87	6.26	7.31	-170.01	-89.78	84.40	140.14	127.28	12.86	10.896	
2,366.54	2,365.54	2,398.00	2,382.50	6.43	7.51	-163.55	-94.81	65.64	138.61	125.59	13.02	10.648 CC, ES	
2,400.08	2,398.78	2,430.57	2,413.56	6.52	7.62	-160.32	-97.34	56.19	139.03	125.92	13.10	10.610 SF	
2,500.00	2,497.73	2,530.24	2,508.62	6.73	7.94	-150.89	-104.57	27.15	143.02	129.70	13.32	10.737	
2,600.00	2,596.75	2,632.82	2,606.51	6.95	8.31	-142.10	-108.79	-3.23	147.56	133.92	13.64	10.815	
2,700.00	2,695.78	2,732.23	2,701.32	7.20	8.65	-134.27	-110.18	-33.08	152.48	138.53	13.95	10.929	
2,800.00	2,794.81	2,829.98	2,794.55	7.46	9.03	-127.15	-111.37	-62.45	159.88	145.54	14.34	11.149	
2,900.00	2,893.83	2,927.74	2,887.78	7.74	9.42	-120.73	-112.56	-91.82	169.60	154.82	14.78	11.478	
3,000.00	2,992.86	3,025.49	2,981.01	8.03	9.82	-115.04	-113.76	-121.19	181.25	165.99	15.26	11.878	
3,100.00	3,091.89	3,123.24	3,074.24	8.34	10.23	-110.06	-114.95	-150.57	194.50	178.72	15.78	12.324	
3,200.00	3,190.91	3,221.00	3,167.47	8.65	10.65	-105.73	-116.14	-179.94	209.03	192.69	16.34	12.793	
3,212.64	3,203.43	3,233.36	3,179.25	8.68	10.71	-105.22	-116.29	-183.65	210.95	194.55	16.40	12.860	
3,300.00	3,290.03	3,318.68	3,260.63	8.98	11.08	-101.94	-117.33	-209.29	224.47	207.54	16.94	13.253	
3,400.00	3,389.36	3,416.16	3,353.59	9.30	11.51	-98.29	-118.52	-238.58	240.58	223.01	17.57	13.694	
3,500.00	3,488.88	3,513.40	3,446.33	9.62	11.94	-94.75	-119.70	-267.80	257.47	239.23	18.24	14.116	
3,600.00	3,588.55	3,610.38	3,538.82	9.94	12.38	-91.34	-120.88	-296.94	275.26	256.31	18.95	14.524	
3,700.00	3,688.35	3,707.06	3,631.03	10.24	12.82	-88.04	-122.06	-325.99	294.06	274.36	19.70	14.925	
3,800.00	3,788.24	3,803.42	3,722.93	10.53	13.26	-84.87	-123.23	-354.94	313.96	293.48	20.49	15.325	
3,900.00	3,888.20	3,899.43	3,814.50	10.80	13.71	-81.82	-124.40	-383.79	335.07	313.76	21.30	15.730	
4,000.00	3,988.19	3,995.06	3,905.70	11.02	14.15	-78.91	-125.57	-412.52	357.44	335.31	22.14	16.147	
4,012.81	4,001.00	4,007.28	3,917.35	11.02	14.21	-133.14	-125.72	-416.19	360.40	338.17	22.24	16.206	
4,100.00	4,088.19	4,090.43	3,996.66	11.10	14.60	-130.61	-126.73	-441.18	381.01	358.03	22.98	16.583	
4,200.00	4,188.19	4,185.80	4,087.61	11.17	15.05	-128.02	-127.89	-469.83	405.44	381.64	23.79	17.039	
4,300.00	4,288.19	4,281.17	4,178.57	11.25	15.51	-125.71	-129.05	-498.49	430.58	405.98	24.60	17.503	
4,400.00	4,388.19	4,376.55	4,269.53	11.32	15.96	-123.66	-130.22	-527.15	456.32	430.93	25.39	17.970	
4,500.00	4,488.19	4,471.92	4,360.48	11.39	16.42	-121.82	-131.38	-555.80	482.56	456.39	26.17	18.437	
4,600.00	4,588.19	4,567.29	4,451.44	11.47	16.88	-120.17	-132.54	-584.46	509.23	482.28	26.94	18.900	
4,700.00	4,688.19	4,662.66	4,542.40	11.54	17.34	-118.69	-133.70	-613.12	536.25	508.55	27.70	19.357	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	0.00 usft
Reference												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Reference	Depth (usft)	Offset	Depth (usft)	Reference	Offset	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)
4,800.00	4,788.19	4,758.03	4,633.35	11.61	17.80	-117.34	-134.86	-641.77	563.59	535.13	28.45	19.807	
4,900.00	4,888.19	4,853.40	4,724.31	11.69	18.27	-116.11	-136.03	-670.43	591.19	561.99	29.20	20.247	
5,000.00	4,988.19	4,948.77	4,815.27	11.76	18.73	-115.00	-137.19	-699.09	619.02	589.08	29.94	20.677	
5,100.00	5,088.19	5,044.14	4,906.22	11.84	19.20	-113.98	-138.35	-727.74	647.05	616.38	30.67	21.097	
5,200.00	5,188.19	5,139.52	4,997.18	11.91	19.67	-113.04	-139.51	-756.40	675.25	643.85	31.40	21.505	
5,300.00	5,288.19	5,234.89	5,088.14	11.98	20.13	-112.18	-140.67	-785.05	703.62	671.49	32.12	21.902	
5,400.00	5,388.19	5,330.26	5,179.09	12.06	20.60	-111.39	-141.84	-813.71	732.11	699.27	32.85	22.288	
5,500.00	5,488.19	5,425.63	5,270.05	12.13	21.07	-110.65	-143.00	-842.37	760.73	727.16	33.57	22.663	
5,600.00	5,588.19	5,521.00	5,361.01	12.21	21.55	-109.97	-144.16	-871.02	789.46	755.17	34.29	23.026	
5,700.00	5,688.19	5,616.37	5,451.96	12.28	22.02	-109.33	-145.32	-899.68	818.28	783.28	35.00	23.379	
5,800.00	5,788.19	5,711.74	5,542.92	12.36	22.49	-108.74	-146.48	-928.34	847.19	811.48	35.72	23.720	
5,900.00	5,888.19	5,807.11	5,633.88	12.43	22.97	-108.18	-147.65	-956.99	876.18	839.75	36.43	24.052	
6,000.00	5,988.19	5,902.49	5,724.84	12.51	23.44	-107.66	-148.81	-985.65	905.24	868.10	37.14	24.373	
6,100.00	6,088.19	5,997.86	5,815.79	12.58	23.92	-107.18	-149.97	-1,014.31	934.36	896.51	37.85	24.684	
6,200.00	6,188.19	6,093.23	5,906.75	12.66	24.39	-106.72	-151.13	-1,042.96	963.55	924.98	38.56	24.985	
6,300.00	6,288.19	6,188.60	5,997.71	12.73	24.87	-106.29	-152.29	-1,071.62	992.78	953.51	39.28	25.278	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	179.57	-80.00	0.60	80.00					
100.00	100.00	100.00	100.00	0.77	0.77	179.57	-80.00	0.60	80.00	78.01	1.99	40.177		
200.00	200.00	200.00	200.00	1.44	1.44	179.57	-80.00	0.60	80.00	76.69	3.31	24.159		
300.00	300.00	300.00	300.00	1.88	1.88	179.57	-80.00	0.60	80.00	75.81	4.20	19.069		
400.00	400.00	400.00	400.00	2.25	2.25	179.57	-80.00	0.60	80.00	75.09	4.91	16.287		
500.00	500.00	500.00	500.00	2.56	2.56	179.57	-80.00	0.60	80.00	74.47	5.53	14.459		
600.00	600.00	600.00	600.00	2.84	2.84	179.57	-80.00	0.60	80.00	73.91	6.09	13.136		
700.00	700.00	700.00	700.00	3.10	3.10	179.57	-80.00	0.60	80.00	73.40	6.60	12.119		
800.00	800.00	800.00	800.00	3.34	3.34	179.57	-80.00	0.60	80.00	72.93	7.08	11.305		
900.00	900.00	900.00	900.00	3.57	3.57	179.57	-80.00	0.60	80.00	72.48	7.52	10.633		
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	179.57	-80.00	0.60	80.00	72.05	7.95	10.066		
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	179.57	-80.00	0.60	80.00	71.65	8.35	9.579		
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	179.57	-80.00	0.60	80.00	71.26	8.74	9.154		
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	179.57	-80.00	0.60	80.00	70.89	9.11	8.779		
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	179.57	-80.00	0.60	80.00	70.53	9.47	8.445		
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	179.57	-80.00	0.60	80.00	70.18	9.82	8.145		
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	179.57	-80.00	0.60	80.00	69.84	10.16	7.872		
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	179.57	-80.00	0.60	80.00	69.51	10.49	7.624		
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	179.57	-80.00	0.60	80.00	69.19	10.82	7.397		
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	179.57	-80.00	0.60	80.00	68.87	11.13	7.187		
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	179.57	-80.00	0.60	80.00	68.56	11.44	6.994 CC, ES		
2,100.00	2,099.98	2,099.98	2,099.98	5.79	5.70	-126.82	-80.00	0.60	81.04	69.29	11.75	6.896		
2,200.00	2,199.84	2,199.84	2,199.84	6.01	5.83	-129.61	-80.00	0.60	84.28	72.23	12.05	6.995		
2,300.00	2,299.45	2,299.45	2,299.45	6.26	5.95	-133.79	-80.00	0.60	90.09	77.72	12.37	7.284		
2,400.08	2,398.78	2,398.78	2,398.78	6.52	6.08	-138.76	-80.00	0.60	98.95	86.22	12.72	7.776		
2,500.00	2,497.73	2,497.73	2,497.73	6.73	6.20	-143.54	-80.00	0.60	109.83	96.77	13.06	8.409		
2,600.00	2,596.75	2,595.66	2,595.64	6.95	6.39	-148.12	-79.80	2.18	121.78	108.35	13.42	9.073		
2,700.00	2,695.78	2,692.66	2,692.52	7.20	6.59	-153.18	-79.19	7.03	135.53	121.72	13.82	9.810		
2,800.00	2,794.81	2,788.55	2,788.06	7.46	6.81	-158.37	-78.19	15.01	151.60	137.36	14.24	10.644		
2,900.00	2,893.83	2,883.13	2,881.99	7.74	7.03	-163.44	-76.82	25.98	170.36	155.67	14.70	11.592		
3,000.00	2,992.86	2,976.22	2,974.03	8.03	7.27	-168.22	-75.09	39.78	192.10	176.93	15.17	12.663		
3,100.00	3,091.89	3,067.68	3,063.97	8.34	7.53	-172.60	-73.02	56.23	216.95	201.30	15.66	13.856		
3,200.00	3,190.91	3,160.81	3,155.11	8.65	7.76	-176.58	-70.64	75.26	244.55	228.38	16.17	15.126		
3,212.64	3,203.43	3,172.79	3,166.82	8.68	7.79	-177.04	-70.33	77.73	248.13	231.90	16.23	15.293		
3,300.00	3,290.03	3,255.73	3,247.95	8.98	8.00	-179.86	-68.18	94.84	272.57	255.87	16.70	16.317		
3,400.00	3,389.36	3,351.12	3,341.26	9.30	8.26	177.47	-65.71	114.52	299.62	282.38	17.24	17.375		
3,500.00	3,488.88	3,446.96	3,435.01	9.62	8.53	175.22	-63.24	134.29	325.51	307.71	17.79	18.293		
3,600.00	3,588.55	3,543.22	3,529.16	9.94	8.82	173.28	-60.75	154.15	350.13	331.78	18.35	19.081		
3,700.00	3,688.35	3,639.87	3,623.70	10.24	9.13	171.56	-58.25	174.08	373.42	354.51	18.91	19.748		
3,800.00	3,788.24	3,736.88	3,718.59	10.53	9.45	170.01	-55.74	194.10	395.33	375.86	19.47	20.309		
3,900.00	3,888.20	3,834.22	3,813.80	10.80	9.78	168.58	-53.22	214.18	415.83	395.81	20.01	20.779		
4,000.00	3,988.19	3,931.86	3,909.31	11.02	10.12	167.24	-50.69	234.32	434.90	414.38	20.52	21.193		
4,012.81	4,001.00	3,944.39	3,921.56	11.02	10.17	112.48	-50.37	236.90	437.24	416.67	20.57	21.258		
4,100.00	4,088.19	4,029.67	4,004.98	11.10	10.47	111.35	-48.16	254.49	453.16	432.25	20.92	21.663		
4,200.00	4,188.19	4,127.49	4,100.66	11.17	10.84	110.15	-45.63	274.67	471.63	450.31	21.32	22.120		
4,300.00	4,288.19	4,225.30	4,196.34	11.25	11.21	109.04	-43.10	294.85	490.28	468.54	21.74	22.552		
4,400.00	4,388.19	4,323.12	4,292.01	11.32	11.58	108.01	-40.57	315.03	509.09	486.92	22.17	22.960		
4,500.00	4,488.19	4,420.93	4,387.69	11.39	11.96	107.05	-38.04	335.21	528.05	505.43	22.62	23.345		
4,600.00	4,588.19	4,518.75	4,483.37	11.47	12.35	106.17	-35.51	355.38	547.15	524.07	23.08	23.707		
4,700.00	4,688.19	4,616.56	4,579.05	11.54	12.74	105.34	-32.98	375.56	566.37	542.81	23.55	24.048		
4,800.00	4,788.19	4,714.38	4,674.72	11.61	13.14	104.56	-30.45	395.74	585.69	561.65	24.03	24.368		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
4,900.00	4,888.19	4,812.19	4,770.40	11.69	13.54	103.83	-27.92	415.92	605.11	580.58	24.53	24.669	
5,000.00	4,988.19	4,910.01	4,866.08	11.76	13.95	103.15	-25.39	436.10	624.62	599.58	25.03	24.952	
5,100.00	5,088.19	5,007.82	4,961.76	11.84	14.36	102.51	-22.86	456.27	644.21	618.66	25.55	25.217	
5,200.00	5,188.19	5,105.64	5,057.44	11.91	14.77	101.91	-20.33	476.45	663.87	637.80	26.07	25.467	
5,300.00	5,288.19	5,203.45	5,153.11	11.98	15.19	101.34	-17.80	496.63	683.60	657.00	26.60	25.701	
5,400.00	5,388.19	5,301.27	5,248.79	12.06	15.61	100.81	-15.27	516.81	703.39	676.25	27.14	25.921	
5,500.00	5,488.19	5,399.08	5,344.47	12.13	16.03	100.30	-12.74	536.98	723.23	695.55	27.68	26.129	
5,600.00	5,588.19	5,496.90	5,440.15	12.21	16.45	99.82	-10.21	557.16	743.13	714.90	28.23	26.323	
5,700.00	5,688.19	5,594.71	5,535.82	12.28	16.88	99.37	-7.68	577.34	763.07	734.29	28.79	26.506	
5,800.00	5,788.19	5,692.53	5,631.50	12.36	17.31	98.93	-5.15	597.52	783.06	753.71	29.35	26.679	
5,900.00	5,888.19	5,790.34	5,727.18	12.43	17.74	98.52	-2.62	617.70	803.09	773.17	29.92	26.842	
6,000.00	5,988.19	5,888.16	5,822.86	12.51	18.17	98.13	-0.09	637.87	823.16	792.67	30.49	26.995	
6,100.00	6,088.19	5,985.97	5,918.53	12.58	18.60	97.76	2.44	658.05	843.26	812.19	31.07	27.140	
6,200.00	6,188.19	6,083.79	6,014.21	12.66	19.04	97.41	4.97	678.23	863.40	831.74	31.65	27.276	
6,300.00	6,288.19	6,181.60	6,109.89	12.73	19.48	97.07	7.50	698.41	883.56	851.32	32.24	27.405	
6,400.00	6,388.19	6,279.42	6,205.57	12.81	19.91	96.75	10.03	718.59	903.76	870.92	32.83	27.527	
6,500.00	6,488.19	6,380.18	6,304.13	12.88	20.35	96.43	12.64	739.35	923.96	890.53	33.43	27.639	
6,600.00	6,588.19	6,509.05	6,430.70	12.96	20.93	96.08	15.65	763.41	942.28	908.08	34.21	27.545	
6,700.00	6,688.19	6,639.46	6,559.53	13.03	21.49	95.80	18.16	783.43	957.37	922.42	34.94	27.398	
6,800.00	6,788.19	6,771.12	6,690.22	13.11	22.03	95.59	20.14	799.20	969.14	933.52	35.62	27.206	
6,900.00	6,888.19	6,903.72	6,822.32	13.18	22.54	95.44	21.57	810.56	977.57	941.34	36.23	26.981	
7,000.00	6,988.19	7,036.97	6,955.39	13.26	22.99	95.35	22.42	817.38	982.61	945.88	36.73	26.749	
7,100.00	7,088.19	7,170.54	7,088.93	13.33	23.28	95.32	22.70	819.60	984.24	947.23	37.02	26.588	
7,132.62	7,120.81	7,202.42	7,120.81	13.36	23.28	95.32	22.70	819.60	984.24	947.21	37.04	26.573	
7,200.00	7,188.19	7,269.80	7,188.19	13.41	23.30	95.32	22.70	819.60	984.24	947.14	37.10	26.527	
7,300.00	7,288.19	7,369.80	7,288.19	13.49	23.34	95.32	22.70	819.60	984.24	947.04	37.20	26.458	
7,400.00	7,388.19	7,469.80	7,388.19	13.56	23.37	95.32	22.70	819.60	984.24	946.95	37.30	26.389	
7,500.00	7,488.19	7,569.80	7,488.19	13.64	23.41	95.32	22.70	819.60	984.24	946.85	37.40	26.320	
7,600.00	7,588.19	7,669.80	7,588.19	13.71	23.44	95.32	22.70	819.60	984.24	946.75	37.49	26.251	
7,700.00	7,688.19	7,769.80	7,688.19	13.79	23.48	95.32	22.70	819.60	984.24	946.65	37.59	26.182	
7,800.00	7,788.19	7,869.80	7,788.19	13.87	23.51	95.32	22.70	819.60	984.24	946.55	37.69	26.113	
7,900.00	7,888.19	7,969.80	7,888.19	13.94	23.55	95.32	22.70	819.60	984.24	946.45	37.79	26.044	
8,000.00	7,988.19	8,069.80	7,988.19	14.02	23.59	95.32	22.70	819.60	984.24	946.35	37.89	25.975	
8,100.00	8,088.19	8,169.80	8,088.19	14.09	23.62	95.32	22.70	819.60	984.24	946.25	37.99	25.907	
8,200.00	8,188.19	8,269.80	8,188.19	14.17	23.66	95.32	22.70	819.60	984.24	946.15	38.09	25.838	
8,300.00	8,288.19	8,369.80	8,288.19	14.25	23.70	95.32	22.70	819.60	984.24	946.05	38.19	25.770	
8,400.00	8,388.19	8,469.80	8,388.19	14.32	23.74	95.32	22.70	819.60	984.24	945.95	38.30	25.701	
8,500.00	8,488.19	8,569.80	8,488.19	14.40	23.77	95.32	22.70	819.60	984.24	945.85	38.40	25.633	
8,600.00	8,588.19	8,669.80	8,588.19	14.48	23.81	95.32	22.70	819.60	984.24	945.74	38.50	25.565	
8,700.00	8,688.19	8,769.80	8,688.19	14.55	23.85	95.32	22.70	819.60	984.24	945.64	38.60	25.497	
8,800.00	8,788.19	8,869.80	8,788.19	14.63	23.89	95.32	22.70	819.60	984.24	945.54	38.71	25.428	
8,900.00	8,888.19	8,969.80	8,888.19	14.71	23.93	95.32	22.70	819.60	984.24	945.43	38.81	25.361	
9,000.00	8,988.19	9,069.80	8,988.19	14.78	23.96	95.32	22.70	819.60	984.24	945.33	38.91	25.293	
9,100.00	9,088.19	9,169.80	9,088.19	14.86	24.00	95.32	22.70	819.60	984.24	945.23	39.02	25.225	
9,200.00	9,188.19	9,269.80	9,188.19	14.94	24.04	95.32	22.70	819.60	984.24	945.12	39.12	25.157	
9,300.00	9,288.19	9,369.80	9,288.19	15.02	24.08	95.32	22.70	819.60	984.24	945.02	39.23	25.090	
9,400.00	9,388.19	9,469.80	9,388.19	15.09	24.12	95.32	22.70	819.60	984.24	944.91	39.33	25.023	
9,500.00	9,488.19	9,569.80	9,488.19	15.17	24.16	95.32	22.70	819.60	984.24	944.80	39.44	24.955	
9,600.00	9,588.19	9,669.80	9,588.19	15.25	24.20	95.32	22.70	819.60	984.24	944.70	39.55	24.888	
9,700.00	9,688.19	9,769.80	9,688.19	15.32	24.24	95.32	22.70	819.60	984.24	944.59	39.65	24.821	
9,800.00	9,788.19	9,869.80	9,788.19	15.40	24.28	95.32	22.70	819.60	984.24	944.48	39.76	24.754	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
9,900.00	9,888.19	9,969.80	9,888.19	15.48	24.32	95.32	22.70	819.60	984.24	944.38	39.87	24.688	
9,992.46	9,980.65	10,062.26	9,980.65	15.55	24.36	95.32	22.70	819.60	984.24	944.28	39.96	24.628	
10,000.00	9,988.19	10,069.80	9,988.19	15.55	24.36	95.39	22.70	819.60	984.25	944.28	39.97	24.626	
10,025.00	10,013.17	10,094.78	10,013.17	15.55	24.37	95.44	22.70	819.60	984.35	944.37	39.98	24.620	
10,050.00	10,038.05	10,119.66	10,038.05	15.56	24.38	95.55	22.70	819.60	984.58	944.59	39.99	24.623	
10,075.00	10,062.78	10,144.39	10,062.78	15.57	24.39	95.72	22.70	819.60	984.94	944.95	39.99	24.633	
10,100.00	10,087.28	10,175.20	10,093.57	15.57	24.39	95.97	23.58	819.60	985.38	945.41	39.96	24.657	
10,125.00	10,111.50	10,206.92	10,125.15	15.58	24.39	96.20	26.55	819.60	985.80	945.86	39.94	24.685	
10,150.00	10,135.35	10,239.03	10,156.84	15.59	24.40	96.42	31.69	819.59	986.19	946.28	39.91	24.710	
10,175.00	10,158.78	10,271.51	10,188.47	15.59	24.40	96.62	39.04	819.58	986.56	946.67	39.89	24.733	
10,200.00	10,181.72	10,304.32	10,219.84	15.60	24.40	96.79	48.63	819.57	986.89	947.02	39.87	24.753	
10,225.00	10,204.11	10,337.43	10,250.75	15.61	24.41	96.94	60.46	819.56	987.17	947.32	39.85	24.769	
10,250.00	10,225.88	10,370.78	10,280.98	15.62	24.41	97.06	74.52	819.54	987.41	947.56	39.85	24.781	
10,275.00	10,246.99	10,404.34	10,310.34	15.63	24.41	97.15	90.77	819.52	987.60	947.75	39.84	24.788	
10,300.00	10,267.36	10,438.05	10,338.61	15.64	24.42	97.22	109.12	819.50	987.73	947.88	39.85	24.789	
10,325.00	10,286.95	10,471.85	10,365.59	15.65	24.43	97.26	129.48	819.48	987.80	947.95	39.86	24.785	
10,350.00	10,305.70	10,505.71	10,391.09	15.66	24.43	97.26	151.73	819.45	987.82	947.95	39.87	24.775	
10,375.00	10,323.56	10,539.55	10,414.95	15.68	24.44	97.24	175.72	819.42	987.78	947.88	39.90	24.759	
10,400.00	10,340.48	10,573.32	10,437.00	15.69	24.45	97.19	201.29	819.39	987.68	947.75	39.93	24.737	
10,425.00	10,356.41	10,606.97	10,457.12	15.70	24.47	97.11	228.25	819.36	987.52	947.56	39.97	24.709	
10,450.00	10,371.31	10,640.44	10,475.21	15.72	24.48	97.01	256.42	819.33	987.31	947.30	40.01	24.676	
10,475.00	10,385.14	10,673.70	10,491.17	15.74	24.50	96.88	285.57	819.29	987.06	946.99	40.06	24.637	
10,500.00	10,397.87	10,706.68	10,504.97	15.75	24.52	96.72	315.53	819.26	986.75	946.63	40.12	24.592	
10,525.00	10,409.45	10,739.35	10,516.56	15.77	24.54	96.54	346.06	819.22	986.41	946.21	40.19	24.542	
10,550.00	10,419.85	10,771.67	10,525.95	15.79	24.57	96.33	376.99	819.19	986.03	945.76	40.27	24.488	
10,575.00	10,429.05	10,803.62	10,533.15	15.81	24.60	96.10	408.11	819.15	985.62	945.27	40.35	24.429	
10,600.00	10,437.02	10,835.16	10,538.21	15.84	24.63	95.86	439.23	819.11	985.19	944.76	40.43	24.366	
10,625.00	10,443.74	10,866.28	10,541.17	15.86	24.66	95.59	470.20	819.08	984.74	944.22	40.53	24.299	
10,650.00	10,449.19	10,896.15	10,542.12	15.89	24.70	95.32	500.06	819.04	984.29	943.67	40.62	24.230	
10,675.00	10,453.36	10,920.83	10,542.30	15.92	24.74	95.14	524.74	819.01	983.92	943.21	40.72	24.165	
10,700.00	10,456.23	10,945.68	10,542.48	15.95	24.77	95.01	549.59	818.98	983.68	942.87	40.81	24.104	
10,725.00	10,457.80	10,970.64	10,542.66	15.98	24.81	94.95	574.54	818.95	983.56	942.66	40.90	24.047	
10,738.48	10,458.10	10,984.12	10,542.75	16.00	24.83	94.94	588.02	818.94	983.54	942.59	40.95	24.018	
10,800.00	10,458.61	11,045.64	10,543.19	16.09	24.94	94.93	649.54	818.87	983.54	942.34	41.19	23.875	
10,900.00	10,459.45	11,145.64	10,543.91	16.30	25.14	94.93	749.54	818.75	983.53	941.88	41.65	23.613	
11,000.00	10,460.28	11,245.64	10,544.63	16.55	25.36	94.92	849.54	818.63	983.52	941.34	42.17	23.321	
11,100.00	10,461.12	11,345.64	10,545.34	16.85	25.61	94.91	949.53	818.52	983.51	940.75	42.75	23.004	
11,200.00	10,461.95	11,445.64	10,546.06	17.20	25.89	94.91	1,049.53	818.40	983.50	940.10	43.39	22.664	
11,300.00	10,462.79	11,545.64	10,546.78	17.60	26.20	94.90	1,149.53	818.28	983.49	939.40	44.09	22.306	
11,400.00	10,463.62	11,645.64	10,547.49	18.03	26.53	94.89	1,249.52	818.17	983.48	938.64	44.84	21.934	
11,500.00	10,464.45	11,745.64	10,548.21	18.50	26.88	94.89	1,349.52	818.05	983.47	937.83	45.64	21.549	
11,600.00	10,465.29	11,845.64	10,548.93	19.00	27.26	94.88	1,449.52	817.93	983.46	936.97	46.49	21.156	
11,700.00	10,466.12	11,945.64	10,549.64	19.52	27.65	94.87	1,549.52	817.82	983.45	936.07	47.38	20.757	
11,800.00	10,466.96	12,045.64	10,550.36	20.07	28.07	94.86	1,649.51	817.70	983.44	935.12	48.31	20.355	
11,900.00	10,467.79	12,145.64	10,551.08	20.65	28.52	94.86	1,749.51	817.58	983.43	934.14	49.29	19.952	
12,000.00	10,468.63	12,245.64	10,551.79	21.24	28.97	94.85	1,849.51	817.46	983.42	933.12	50.30	19.550	
12,100.00	10,469.46	12,345.64	10,552.51	21.86	29.45	94.84	1,949.51	817.35	983.41	932.06	51.35	19.150	
12,200.00	10,470.30	12,445.64	10,553.23	22.49	29.95	94.84	2,049.50	817.23	983.40	930.96	52.44	18.754	
12,300.00	10,471.13	12,545.64	10,553.94	23.13	30.46	94.83	2,149.50	817.11	983.39	929.84	53.55	18.363	
12,400.00	10,471.96	12,645.64	10,554.66	23.79	30.98	94.82	2,249.50	817.00	983.38	928.68	54.70	17.979	
12,500.00	10,472.80	12,745.64	10,555.37	24.46	31.53	94.82	2,349.49	816.88	983.37	927.50	55.87	17.602	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
12,600.00	10,473.63	12,845.64	10,556.09	25.15	32.08	94.81	2,449.49	816.76	983.36	926.29	57.07	17.232	
12,700.00	10,474.47	12,945.64	10,556.81	25.84	32.65	94.80	2,549.49	816.65	983.35	925.06	58.29	16.871	
12,800.00	10,475.30	13,045.64	10,557.52	26.54	33.23	94.80	2,649.49	816.53	983.34	923.81	59.53	16.517	
12,900.00	10,476.14	13,145.64	10,558.24	27.26	33.82	94.79	2,749.48	816.41	983.33	922.53	60.80	16.173	
13,000.00	10,476.97	13,245.64	10,558.96	27.98	34.43	94.78	2,849.48	816.30	983.32	921.24	62.09	15.838	
13,100.00	10,477.81	13,345.64	10,559.67	28.71	35.04	94.78	2,949.48	816.18	983.31	919.92	63.39	15.511	
13,200.00	10,478.64	13,445.64	10,560.39	29.44	35.67	94.77	3,049.48	816.06	983.30	918.59	64.72	15.194	
13,300.00	10,479.47	13,545.64	10,561.11	30.18	36.30	94.76	3,149.47	815.95	983.29	917.24	66.06	14.886	
13,400.00	10,480.31	13,645.64	10,561.82	30.93	36.95	94.76	3,249.47	815.83	983.28	915.87	67.41	14.586	
13,500.00	10,481.14	13,745.64	10,562.54	31.69	37.60	94.75	3,349.47	815.71	983.27	914.49	68.78	14.295	
13,600.00	10,481.98	13,845.64	10,563.26	32.45	38.26	94.74	3,449.47	815.59	983.26	913.10	70.17	14.013	
13,700.00	10,482.81	13,945.64	10,563.97	33.21	38.93	94.73	3,549.46	815.48	983.25	911.69	71.57	13.739	
13,800.00	10,483.65	14,045.64	10,564.69	33.98	39.60	94.73	3,649.46	815.36	983.25	910.27	72.98	13.474	
13,900.00	10,484.48	14,145.64	10,565.40	34.75	40.28	94.72	3,749.46	815.24	983.24	908.84	74.40	13.216	
14,000.00	10,485.31	14,245.64	10,566.12	35.53	40.97	94.71	3,849.45	815.13	983.23	907.40	75.83	12.966	
14,100.00	10,486.15	14,345.64	10,566.84	36.31	41.67	94.71	3,949.45	815.01	983.22	905.94	77.27	12.724	
14,200.00	10,486.98	14,445.64	10,567.55	37.09	42.37	94.70	4,049.45	814.89	983.21	904.48	78.72	12.489	
14,300.00	10,487.82	14,545.64	10,568.27	37.87	43.07	94.69	4,149.45	814.78	983.20	903.01	80.19	12.261	
14,400.00	10,488.65	14,645.64	10,568.99	38.66	43.79	94.69	4,249.44	814.66	983.19	901.53	81.66	12.040	
14,500.00	10,489.49	14,745.64	10,569.70	39.46	44.50	94.68	4,349.44	814.54	983.18	900.04	83.14	11.826	
14,600.00	10,490.32	14,845.64	10,570.42	40.25	45.22	94.67	4,449.44	814.43	983.17	898.55	84.62	11.618	
14,700.00	10,491.16	14,945.64	10,571.14	41.05	45.95	94.67	4,549.44	814.31	983.16	897.04	86.12	11.417	
14,800.00	10,491.99	15,045.64	10,571.85	41.85	46.68	94.66	4,649.43	814.19	983.15	895.53	87.62	11.221	
14,900.00	10,492.82	15,145.64	10,572.57	42.65	47.42	94.65	4,749.43	814.08	983.14	894.01	89.13	11.031	
15,000.00	10,493.66	15,245.64	10,573.29	43.46	48.15	94.65	4,849.43	813.96	983.13	892.49	90.64	10.846	
15,100.00	10,494.49	15,345.64	10,574.00	44.26	48.90	94.64	4,949.42	813.84	983.12	890.96	92.16	10.667	
15,200.00	10,495.33	15,445.64	10,574.72	45.07	49.64	94.63	5,049.42	813.72	983.11	889.43	93.69	10.494	
15,300.00	10,496.16	15,545.64	10,575.44	45.88	50.39	94.63	5,149.42	813.61	983.10	887.88	95.22	10.325	
15,400.00	10,497.00	15,645.64	10,576.15	46.69	51.15	94.62	5,249.42	813.49	983.09	886.34	96.76	10.161	
15,500.00	10,497.83	15,745.64	10,576.87	47.50	51.90	94.61	5,349.41	813.37	983.09	884.79	98.30	10.001	
15,600.00	10,498.67	15,845.64	10,577.58	48.32	52.66	94.60	5,449.41	813.26	983.08	883.23	99.84	9.846	
15,700.00	10,499.50	15,945.64	10,578.30	49.13	53.43	94.60	5,549.41	813.14	983.07	881.67	101.40	9.695	
15,800.00	10,500.33	16,045.64	10,579.02	49.95	54.19	94.59	5,649.41	813.02	983.06	880.11	102.95	9.549	
15,900.00	10,501.17	16,145.64	10,579.73	50.77	54.96	94.58	5,749.40	812.91	983.05	878.54	104.51	9.406	
16,000.00	10,502.00	16,245.63	10,580.45	51.59	55.73	94.58	5,849.40	812.79	983.04	876.97	106.07	9.268	
16,100.00	10,502.84	16,345.63	10,581.17	52.41	56.50	94.57	5,949.40	812.67	983.03	875.39	107.64	9.132	
16,200.00	10,503.67	16,445.63	10,581.88	53.23	57.28	94.56	6,049.39	812.56	983.02	873.81	109.21	9.001	
16,300.00	10,504.51	16,545.63	10,582.60	54.06	58.06	94.56	6,149.39	812.44	983.01	872.23	110.79	8.873	
16,400.00	10,505.34	16,645.63	10,583.32	54.88	58.84	94.55	6,249.39	812.32	983.00	870.64	112.36	8.748	
16,500.00	10,506.17	16,745.63	10,584.03	55.71	59.62	94.54	6,349.39	812.21	982.99	869.05	113.94	8.627	
16,600.00	10,507.01	16,845.63	10,584.75	56.53	60.40	94.54	6,449.38	812.09	982.98	867.46	115.53	8.509	
16,700.00	10,507.84	16,945.63	10,585.47	57.36	61.19	94.53	6,549.38	811.97	982.97	865.86	117.12	8.393	
16,800.00	10,508.68	17,045.63	10,586.18	58.19	61.98	94.52	6,649.38	811.85	982.97	864.26	118.70	8.281	
16,900.00	10,509.51	17,145.63	10,586.90	59.02	62.77	94.52	6,749.38	811.74	982.96	862.66	120.30	8.171	
17,000.00	10,510.35	17,245.63	10,587.62	59.85	63.56	94.51	6,849.37	811.62	982.95	861.06	121.89	8.064	
17,100.00	10,511.18	17,345.63	10,588.33	60.68	64.35	94.50	6,949.37	811.50	982.94	859.45	123.49	7.960	
17,200.00	10,512.02	17,445.63	10,589.05	61.51	65.14	94.50	7,049.37	811.39	982.93	857.84	125.09	7.858	
17,300.00	10,512.85	17,545.63	10,589.76	62.34	65.94	94.49	7,149.37	811.27	982.92	856.23	126.69	7.758	
17,400.00	10,513.68	17,645.63	10,590.48	63.17	66.74	94.48	7,249.36	811.15	982.91	854.62	128.30	7.661	
17,500.00	10,514.52	17,745.63	10,591.20	64.01	67.54	94.47	7,349.36	811.04	982.90	853.00	129.90	7.566	
17,600.00	10,515.35	17,845.63	10,591.91	64.84	68.34	94.47	7,449.36	810.92	982.89	851.38	131.51	7.474	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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
Reference	Offset	Semi Major Axis		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)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)				Between Centres (usft)	Between Ellipses (usft)
17,700.00	10,516.19	17,945.63	10,592.63	65.67	69.14	94.46	7,549.35	810.80	982.88	849.76	133.12	7.383	
17,800.00	10,517.02	18,045.63	10,593.35	66.51	69.94	94.45	7,649.35	810.69	982.88	848.14	134.73	7.295	
17,900.00	10,517.86	18,145.63	10,594.06	67.34	70.75	94.45	7,749.35	810.57	982.87	846.52	136.35	7.209	
18,000.00	10,518.69	18,245.63	10,594.78	68.18	71.55	94.44	7,849.35	810.45	982.86	844.89	137.96	7.124	
18,100.00	10,519.53	18,345.63	10,595.50	69.02	72.36	94.43	7,949.34	810.33	982.85	843.27	139.58	7.041	
18,200.00	10,520.36	18,445.63	10,596.21	69.85	73.17	94.43	8,049.34	810.22	982.84	841.64	141.20	6.961	
18,300.00	10,521.19	18,545.63	10,596.93	70.69	73.98	94.42	8,149.34	810.10	982.83	840.01	142.82	6.882	
18,400.00	10,522.03	18,645.63	10,597.65	71.53	74.79	94.41	8,249.34	809.98	982.82	838.38	144.44	6.804	
18,500.00	10,522.86	18,745.63	10,598.36	72.37	75.60	94.41	8,349.33	809.87	982.81	836.74	146.07	6.728	
18,600.00	10,523.70	18,845.63	10,599.08	73.21	76.41	94.40	8,449.33	809.75	982.80	835.11	147.69	6.654	
18,700.00	10,524.53	18,945.63	10,599.80	74.05	77.22	94.39	8,549.33	809.63	982.80	833.47	149.32	6.582	
18,800.00	10,525.37	19,045.63	10,600.51	74.89	78.04	94.39	8,649.32	809.52	982.79	831.84	150.95	6.511	
18,900.00	10,526.20	19,145.63	10,601.23	75.73	78.85	94.38	8,749.32	809.40	982.78	830.20	152.58	6.441	
19,000.00	10,527.04	19,245.63	10,601.94	76.57	79.67	94.37	8,849.32	809.28	982.77	828.56	154.21	6.373	
19,100.00	10,527.87	19,345.63	10,602.66	77.41	80.49	94.36	8,949.32	809.17	982.76	826.92	155.84	6.306	
19,200.00	10,528.70	19,445.63	10,603.38	78.25	81.30	94.36	9,049.31	809.05	982.75	825.28	157.48	6.241	
19,300.00	10,529.54	19,545.63	10,604.09	79.09	82.12	94.35	9,149.31	808.93	982.74	823.63	159.11	6.177	
19,400.00	10,530.37	19,645.63	10,604.81	79.93	82.94	94.34	9,249.31	808.82	982.73	821.99	160.75	6.114	
19,500.00	10,531.21	19,745.63	10,605.53	80.77	83.76	94.34	9,349.31	808.70	982.73	820.34	162.38	6.052	
19,600.00	10,532.04	19,845.63	10,606.24	81.62	84.58	94.33	9,449.30	808.58	982.72	818.70	164.02	5.991	
19,700.00	10,532.88	19,945.63	10,606.96	82.46	85.40	94.32	9,549.30	808.46	982.71	817.05	165.66	5.932	
19,800.00	10,533.71	20,045.63	10,607.68	83.30	86.23	94.32	9,649.30	808.35	982.70	815.40	167.30	5.874	
19,900.00	10,534.54	20,145.63	10,608.39	84.14	87.05	94.31	9,749.29	808.23	982.69	813.75	168.94	5.817	
20,000.00	10,535.38	20,245.63	10,609.11	84.99	87.87	94.30	9,849.29	808.11	982.68	812.10	170.58	5.761	
20,100.00	10,536.21	20,345.63	10,609.83	85.83	88.70	94.30	9,949.29	808.00	982.67	810.45	172.22	5.706	
20,200.00	10,537.05	20,445.63	10,610.54	86.68	89.52	94.29	10,049.29	807.88	982.66	808.80	173.87	5.652	
20,300.00	10,537.88	20,545.63	10,611.26	87.52	90.34	94.28	10,149.28	807.76	982.66	807.14	175.51	5.599	
20,400.00	10,538.72	20,645.63	10,611.98	88.36	91.17	94.28	10,249.28	807.65	982.65	805.49	177.16	5.547	
20,500.00	10,539.55	20,745.63	10,612.69	89.21	92.00	94.27	10,349.28	807.53	982.64	803.84	178.80	5.496	
20,600.00	10,540.39	20,845.63	10,613.41	90.05	92.82	94.26	10,449.28	807.41	982.63	802.18	180.45	5.445	
20,685.65	10,541.10	20,931.28	10,614.02	90.78	93.53	94.26	10,534.92	807.31	982.62	800.76	181.86	5.403	
20,686.55	10,541.11	20,932.18	10,614.03	90.78	93.54	94.26	10,535.82	807.31	982.62	800.75	181.87	5.403 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	No-Go	Separation	Rule Assigned:						
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	0.10	0.00	0.00	179.62	-60.00	0.40	60.00				
100.00	100.00	99.90	100.00	0.77	0.77	179.62	-60.00	0.40	60.00	58.01	1.99	30.144	
200.00	200.00	199.90	200.00	1.44	1.44	179.62	-60.00	0.40	60.00	56.69	3.31	18.122	
300.00	300.00	299.90	300.00	1.88	1.88	179.62	-60.00	0.40	60.00	55.81	4.19	14.303	
400.00	400.00	399.90	400.00	2.25	2.25	179.62	-60.00	0.40	60.00	55.09	4.91	12.216	
500.00	500.00	499.90	500.00	2.56	2.56	179.62	-60.00	0.40	60.00	54.47	5.53	10.845	
600.00	600.00	599.90	600.00	2.84	2.84	179.62	-60.00	0.40	60.00	53.91	6.09	9.852	
700.00	700.00	699.90	700.00	3.10	3.10	179.62	-60.00	0.40	60.00	53.40	6.60	9.090	
800.00	800.00	799.90	800.00	3.34	3.34	179.62	-60.00	0.40	60.00	52.92	7.08	8.479	
900.00	900.00	899.90	900.00	3.57	3.57	179.62	-60.00	0.40	60.00	52.48	7.52	7.975	
1,000.00	1,000.00	999.90	1,000.00	3.79	3.79	179.62	-60.00	0.40	60.00	52.05	7.95	7.550	
1,100.00	1,100.00	1,099.90	1,100.00	3.99	3.99	179.62	-60.00	0.40	60.00	51.65	8.35	7.184	
1,200.00	1,200.00	1,199.90	1,200.00	4.19	4.19	179.62	-60.00	0.40	60.00	51.26	8.74	6.866	
1,300.00	1,300.00	1,299.90	1,300.00	4.38	4.38	179.62	-60.00	0.40	60.00	50.89	9.11	6.585	
1,400.00	1,400.00	1,399.90	1,400.00	4.56	4.56	179.62	-60.00	0.40	60.00	50.53	9.47	6.334	
1,500.00	1,500.00	1,499.90	1,500.00	4.74	4.74	179.62	-60.00	0.40	60.00	50.18	9.82	6.108	
1,600.00	1,600.00	1,599.90	1,600.00	4.91	4.91	179.62	-60.00	0.40	60.00	49.84	10.16	5.904	
1,700.00	1,700.00	1,699.90	1,700.00	5.08	5.08	179.62	-60.00	0.40	60.00	49.51	10.49	5.718	
1,800.00	1,800.00	1,799.90	1,800.00	5.24	5.24	179.62	-60.00	0.40	60.00	49.19	10.82	5.548	
1,900.00	1,900.00	1,899.90	1,900.00	5.40	5.40	179.62	-60.00	0.40	60.00	48.87	11.13	5.391	
2,000.00	2,000.00	1,999.90	2,000.00	5.56	5.56	179.62	-60.00	0.40	60.00	48.56	11.44	5.245 CC, ES	
2,100.00	2,099.98	2,100.46	2,100.55	5.79	5.70	-127.81	-59.49	1.12	60.56	48.81	11.75	5.153	
2,200.00	2,199.84	2,200.77	2,200.83	6.01	5.84	-133.61	-57.98	3.28	62.68	50.62	12.06	5.196	
2,300.00	2,299.45	2,300.59	2,300.55	6.26	6.00	-142.24	-55.48	6.86	67.50	55.09	12.42	5.437	
2,400.08	2,398.78	2,399.76	2,399.54	6.52	6.17	-152.09	-52.00	11.82	76.42	63.60	12.82	5.962	
2,500.00	2,497.73	2,498.12	2,497.59	6.73	6.36	-161.24	-47.59	18.13	88.77	75.58	13.19	6.731	
2,600.00	2,596.75	2,593.17	2,592.20	6.95	6.57	-168.62	-43.54	26.25	104.43	90.83	13.60	7.679	
2,700.00	2,695.78	2,686.83	2,685.21	7.20	6.81	-174.34	-40.97	36.99	124.55	110.56	14.00	8.899	
2,800.00	2,794.81	2,782.15	2,779.62	7.46	7.03	-178.73	-39.48	50.03	148.03	133.63	14.40	10.281	
2,900.00	2,893.83	2,878.76	2,875.29	7.74	7.28	-178.04	-38.04	63.40	172.30	157.44	14.86	11.595	
3,000.00	2,992.86	2,975.37	2,970.96	8.03	7.55	-175.60	-36.61	76.77	196.96	181.61	15.35	12.831	
3,100.00	3,091.89	3,071.99	3,066.63	8.34	7.83	-173.71	-35.17	90.14	221.88	206.01	15.87	13.985	
3,200.00	3,190.91	3,168.60	3,162.30	8.65	8.12	-172.19	-33.74	103.51	246.98	230.57	16.41	15.055	
3,212.64	3,203.43	3,180.81	3,174.40	8.68	8.15	-172.02	-33.56	105.20	250.16	233.70	16.47	15.193	
3,300.00	3,290.03	3,265.37	3,258.13	8.98	8.42	-170.97	-32.30	116.90	271.58	254.61	16.97	16.004	
3,400.00	3,389.36	3,362.53	3,354.35	9.30	8.73	-169.90	-30.86	130.35	294.62	277.08	17.54	16.798	
3,500.00	3,488.88	3,460.05	3,450.92	9.62	9.06	-168.93	-29.41	143.84	316.09	297.97	18.12	17.447	
3,600.00	3,588.55	3,557.92	3,547.83	9.94	9.39	-168.03	-27.95	157.38	335.96	317.26	18.70	17.966	
3,700.00	3,688.35	3,656.08	3,645.05	10.24	9.73	-167.17	-26.50	170.97	354.25	334.96	19.28	18.370	
3,800.00	3,788.24	3,754.53	3,742.53	10.53	10.07	-166.33	-25.03	184.59	370.94	351.07	19.86	18.674	
3,900.00	3,888.20	3,853.22	3,840.26	10.80	10.43	-165.50	-23.57	198.25	386.04	365.61	20.43	18.895	
4,000.00	3,988.19	3,952.12	3,938.20	11.02	10.79	-164.67	-22.10	211.94	399.55	378.60	20.96	19.064	
4,012.81	4,001.00	3,964.81	3,950.76	11.02	10.84	-109.97	-21.91	213.69	401.17	380.16	21.01	19.096	
4,100.00	4,088.19	4,051.15	4,036.27	11.10	11.16	-109.23	-20.63	225.64	412.12	390.75	21.37	19.281	
4,200.00	4,188.19	4,150.17	4,134.33	11.17	11.53	-108.42	-19.15	239.34	424.76	402.97	21.79	19.493	
4,300.00	4,288.19	4,249.20	4,232.39	11.25	11.90	-107.67	-17.68	253.05	437.48	415.26	22.22	19.690	
4,400.00	4,388.19	4,348.23	4,330.45	11.32	12.27	-106.95	-16.21	266.75	450.27	427.63	22.64	19.885	
4,500.00	4,488.19	4,453.85	4,435.14	11.39	12.65	-106.27	-14.71	280.70	462.54	439.43	23.11	20.012	
4,600.00	4,588.19	4,561.33	4,541.91	11.47	13.05	-105.70	-13.40	292.94	473.17	449.56	23.61	20.043	
4,700.00	4,688.19	4,669.24	4,649.32	11.54	13.44	-105.24	-12.29	303.23	482.10	458.01	24.09	20.014	
4,800.00	4,788.19	4,777.51	4,757.26	11.61	13.82	-104.88	-11.40	311.53	489.29	464.74	24.55	19.929	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	Rule Assigned:								
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
4,900.00	4,888.19	4,886.05	4,865.62	11.69	14.18	104.62	-10.73	317.82	494.73	469.74	24.99	19.797	
5,000.00	4,988.19	4,994.79	4,974.28	11.76	14.51	104.44	-10.27	322.07	498.41	473.01	25.40	19.625	
5,100.00	5,088.19	5,103.66	5,083.12	11.84	14.80	104.36	-10.04	324.27	500.31	474.56	25.75	19.429	
5,200.00	5,188.19	5,208.73	5,188.19	11.91	14.89	104.34	-10.00	324.60	500.60	474.70	25.90	19.326	
5,300.00	5,288.19	5,308.73	5,288.19	11.98	14.94	104.34	-10.00	324.60	500.60	474.57	26.03	19.233	
5,400.00	5,388.19	5,408.73	5,388.19	12.06	14.99	104.34	-10.00	324.60	500.60	474.44	26.16	19.139	
5,500.00	5,488.19	5,508.73	5,488.19	12.13	15.05	104.34	-10.00	324.60	500.60	474.32	26.28	19.047	
5,600.00	5,588.19	5,608.73	5,588.19	12.21	15.10	104.34	-10.00	324.60	500.60	474.19	26.41	18.955	
5,700.00	5,688.19	5,708.73	5,688.19	12.28	15.15	104.34	-10.00	324.60	500.60	474.06	26.54	18.863	
5,800.00	5,788.19	5,808.73	5,788.19	12.36	15.20	104.34	-10.00	324.60	500.60	473.93	26.67	18.772	
5,900.00	5,888.19	5,908.73	5,888.19	12.43	15.26	104.34	-10.00	324.60	500.60	473.80	26.80	18.682	
6,000.00	5,988.19	6,008.73	5,988.19	12.51	15.31	104.34	-10.00	324.60	500.60	473.68	26.92	18.593	
6,100.00	6,088.19	6,108.73	6,088.19	12.58	15.37	104.34	-10.00	324.60	500.60	473.55	27.05	18.504	
6,200.00	6,188.19	6,208.73	6,188.19	12.66	15.42	104.34	-10.00	324.60	500.60	473.42	27.18	18.415	
6,300.00	6,288.19	6,308.73	6,288.19	12.73	15.47	104.34	-10.00	324.60	500.60	473.29	27.31	18.328	
6,400.00	6,388.19	6,408.73	6,388.19	12.81	15.53	104.34	-10.00	324.60	500.60	473.16	27.44	18.240	
6,500.00	6,488.19	6,508.73	6,488.19	12.88	15.58	104.34	-10.00	324.60	500.60	473.03	27.58	18.154	
6,600.00	6,588.19	6,608.73	6,588.19	12.96	15.64	104.34	-10.00	324.60	500.60	472.89	27.71	18.068	
6,700.00	6,688.19	6,708.73	6,688.19	13.03	15.70	104.34	-10.00	324.60	500.60	472.76	27.84	17.983	
6,800.00	6,788.19	6,808.73	6,788.19	13.11	15.75	104.34	-10.00	324.60	500.60	472.63	27.97	17.898	
6,900.00	6,888.19	6,908.73	6,888.19	13.18	15.81	104.34	-10.00	324.60	500.60	472.50	28.10	17.814	
7,000.00	6,988.19	7,008.73	6,988.19	13.26	15.86	104.34	-10.00	324.60	500.60	472.37	28.23	17.730	
7,100.00	7,088.19	7,108.73	7,088.19	13.33	15.92	104.34	-10.00	324.60	500.60	472.23	28.37	17.648	
7,200.00	7,188.19	7,208.73	7,188.19	13.41	15.98	104.34	-10.00	324.60	500.60	472.10	28.50	17.565	
7,300.00	7,288.19	7,308.73	7,288.19	13.49	16.03	104.34	-10.00	324.60	500.60	471.97	28.63	17.483	
7,400.00	7,388.19	7,408.73	7,388.19	13.56	16.09	104.34	-10.00	324.60	500.60	471.83	28.77	17.402	
7,500.00	7,488.19	7,508.73	7,488.19	13.64	16.15	104.34	-10.00	324.60	500.60	471.70	28.90	17.322	
7,600.00	7,588.19	7,608.73	7,588.19	13.71	16.20	104.34	-10.00	324.60	500.60	471.57	29.03	17.242	
7,700.00	7,688.19	7,708.73	7,688.19	13.79	16.26	104.34	-10.00	324.60	500.60	471.43	29.17	17.162	
7,800.00	7,788.19	7,808.73	7,788.19	13.87	16.32	104.34	-10.00	324.60	500.60	471.30	29.30	17.083	
7,900.00	7,888.19	7,908.73	7,888.19	13.94	16.38	104.34	-10.00	324.60	500.60	471.16	29.44	17.005	
8,000.00	7,988.19	8,008.73	7,988.19	14.02	16.44	104.34	-10.00	324.60	500.60	471.03	29.57	16.927	
8,100.00	8,088.19	8,108.73	8,088.19	14.09	16.49	104.34	-10.00	324.60	500.60	470.89	29.71	16.850	
8,200.00	8,188.19	8,208.73	8,188.19	14.17	16.55	104.34	-10.00	324.60	500.60	470.76	29.84	16.774	
8,300.00	8,288.19	8,308.73	8,288.19	14.25	16.61	104.34	-10.00	324.60	500.60	470.62	29.98	16.698	
8,400.00	8,388.19	8,408.73	8,388.19	14.32	16.67	104.34	-10.00	324.60	500.60	470.48	30.12	16.622	
8,500.00	8,488.19	8,508.73	8,488.19	14.40	16.73	104.34	-10.00	324.60	500.60	470.35	30.25	16.547	
8,600.00	8,588.19	8,608.73	8,588.19	14.48	16.79	104.34	-10.00	324.60	500.60	470.21	30.39	16.473	
8,700.00	8,688.19	8,708.73	8,688.19	14.55	16.85	104.34	-10.00	324.60	500.60	470.07	30.53	16.399	
8,800.00	8,788.19	8,808.73	8,788.19	14.63	16.91	104.34	-10.00	324.60	500.60	469.94	30.66	16.325	
8,900.00	8,888.19	8,908.73	8,888.19	14.71	16.97	104.34	-10.00	324.60	500.60	469.80	30.80	16.253	
9,000.00	8,988.19	9,008.73	8,988.19	14.78	17.03	104.34	-10.00	324.60	500.60	469.66	30.94	16.180	
9,100.00	9,088.19	9,108.73	9,088.19	14.86	17.09	104.34	-10.00	324.60	500.60	469.52	31.08	16.109	
9,200.00	9,188.19	9,208.73	9,188.19	14.94	17.15	104.34	-10.00	324.60	500.60	469.39	31.21	16.037	
9,300.00	9,288.19	9,308.73	9,288.19	15.02	17.21	104.34	-10.00	324.60	500.60	469.25	31.35	15.967	
9,400.00	9,388.19	9,408.73	9,388.19	15.09	17.27	104.34	-10.00	324.60	500.60	469.11	31.49	15.896	
9,500.00	9,488.19	9,508.73	9,488.19	15.17	17.33	104.34	-10.00	324.60	500.60	468.97	31.63	15.827	
9,600.00	9,588.19	9,608.73	9,588.19	15.25	17.39	104.34	-10.00	324.60	500.60	468.83	31.77	15.757	
9,700.00	9,688.19	9,708.73	9,688.19	15.32	17.46	104.34	-10.00	324.60	500.60	468.69	31.91	15.689	
9,800.00	9,788.19	9,808.73	9,788.19	15.40	17.52	104.34	-10.00	324.60	500.60	468.55	32.05	15.620	
9,900.00	9,888.19	9,908.73	9,888.19	15.48	17.58	104.34	-10.00	324.60	500.60	468.41	32.19	15.553	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
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)	Distance (usft)	Factor	Warning
9,992.46	9,980.65	10,001.19	9,980.65	15.55	17.64	104.34	-10.00	324.60	500.60	468.29	32.31	15.493	
10,000.00	9,988.19	10,008.73	9,988.19	15.55	17.64	104.41	-10.00	324.60	500.62	468.30	32.32	15.490	
10,025.00	10,013.17	10,033.71	10,013.17	15.55	17.66	104.50	-10.00	324.60	500.88	468.54	32.34	15.489	
10,050.00	10,038.05	10,058.59	10,038.05	15.56	17.67	104.69	-10.00	324.60	501.47	469.13	32.35	15.502	
10,075.00	10,062.78	10,083.32	10,062.78	15.57	17.69	104.98	-10.00	324.60	502.42	470.06	32.36	15.528	
10,100.00	10,087.28	10,107.82	10,087.28	15.57	17.70	105.36	-10.00	324.60	503.74	471.38	32.36	15.568	
10,125.00	10,111.50	10,132.04	10,111.50	15.58	17.72	105.82	-10.00	324.60	505.46	473.11	32.35	15.623	
10,150.00	10,135.35	10,155.89	10,135.35	15.59	17.73	106.35	-10.00	324.60	507.62	475.28	32.34	15.694	
10,175.00	10,158.78	10,179.32	10,158.78	15.59	17.75	106.93	-10.00	324.60	510.27	477.94	32.33	15.783	
10,200.00	10,181.72	10,202.26	10,181.72	15.60	17.76	107.54	-10.00	324.60	513.45	481.14	32.31	15.892	
10,225.00	10,204.11	10,224.65	10,204.11	15.61	17.77	108.17	-10.00	324.60	517.22	484.94	32.28	16.023	
10,250.00	10,225.88	10,246.42	10,225.88	15.62	17.79	108.80	-10.00	324.60	521.62	489.37	32.25	16.176	
10,275.00	10,246.99	10,267.53	10,246.99	15.63	17.80	109.40	-10.00	324.60	526.70	494.50	32.20	16.355	
10,300.00	10,267.36	10,287.90	10,267.36	15.64	17.81	109.96	-10.00	324.60	532.53	500.37	32.16	16.561	
10,325.00	10,286.95	10,307.49	10,286.95	15.65	17.82	110.46	-10.00	324.60	539.14	507.04	32.10	16.796	
10,350.00	10,305.70	10,335.27	10,314.73	15.66	17.83	111.47	-9.69	324.60	546.50	514.47	32.03	17.064	
10,375.00	10,323.56	10,377.47	10,356.77	15.68	17.84	113.32	-6.32	324.60	554.08	522.10	31.98	17.327	
10,400.00	10,340.48	10,424.45	10,403.04	15.69	17.84	115.27	1.78	324.59	561.60	529.61	32.00	17.552	
10,425.00	10,356.41	10,477.09	10,453.63	15.70	17.85	117.28	16.20	324.57	568.89	536.77	32.12	17.712	
10,450.00	10,371.31	10,536.23	10,508.19	15.72	17.85	119.31	38.93	324.54	575.70	543.32	32.38	17.777	
10,475.00	10,385.14	10,602.55	10,565.49	15.74	17.87	121.25	72.21	324.50	581.75	548.93	32.82	17.725	
10,500.00	10,397.87	10,676.23	10,623.06	15.75	17.89	122.96	118.08	324.45	586.73	553.30	33.43	17.550	
10,525.00	10,409.45	10,743.13	10,668.56	15.77	17.91	124.02	167.03	324.39	590.29	556.29	34.01	17.358	
10,550.00	10,419.85	10,841.77	10,722.42	15.79	17.97	124.98	249.44	324.30	592.24	557.31	34.93	16.954	
10,575.00	10,429.05	10,928.82	10,754.91	15.81	18.05	125.01	330.08	324.20	592.33	556.75	35.58	16.646	
10,600.00	10,437.02	11,014.31	10,772.07	15.84	18.15	124.35	413.72	324.11	590.58	554.56	36.02	16.396	
10,625.00	10,443.74	11,075.64	10,775.12	15.86	18.25	123.56	474.93	324.03	587.28	551.12	36.16	16.239	
10,650.00	10,449.19	11,100.05	10,775.18	15.89	18.29	123.43	499.34	324.01	584.26	548.09	36.17	16.153	
10,675.00	10,453.36	11,124.71	10,775.24	15.92	18.34	123.32	523.99	323.98	581.98	545.77	36.20	16.076	
10,700.00	10,456.23	11,149.55	10,775.31	15.95	18.40	123.25	548.83	323.95	580.43	544.18	36.25	16.012	
10,725.00	10,457.80	11,174.50	10,775.37	15.98	18.45	123.21	573.78	323.92	579.60	543.29	36.31	15.962	
10,738.48	10,458.10	11,187.97	10,775.40	16.00	18.48	123.20	587.26	323.90	579.45	543.10	36.35	15.940	
10,800.00	10,458.61	11,249.49	10,775.55	16.09	18.63	123.17	648.78	323.83	579.26	542.69	36.57	15.841	
10,900.00	10,459.45	11,349.49	10,775.80	16.30	18.89	123.12	748.78	323.72	578.94	541.97	36.97	15.659	
11,000.00	10,460.28	11,449.49	10,776.05	16.55	19.20	123.07	848.78	323.60	578.62	541.19	37.43	15.458	
11,100.00	10,461.12	11,549.49	10,776.30	16.85	19.54	123.03	948.77	323.48	578.30	540.35	37.95	15.240	
11,200.00	10,461.95	11,649.49	10,776.55	17.20	19.91	122.98	1,048.77	323.37	577.98	539.46	38.52	15.007	
11,300.00	10,462.79	11,749.49	10,776.79	17.60	20.31	122.93	1,148.77	323.25	577.66	538.53	39.13	14.761	
11,400.00	10,463.62	11,849.48	10,777.04	18.03	20.74	122.88	1,248.77	323.13	577.34	537.54	39.80	14.506	
11,500.00	10,464.45	11,949.48	10,777.29	18.50	21.19	122.83	1,348.77	323.02	577.02	536.51	40.51	14.242	
11,600.00	10,465.29	12,049.48	10,777.54	19.00	21.67	122.78	1,448.76	322.90	576.71	535.44	41.27	13.973	
11,700.00	10,466.12	12,149.48	10,777.79	19.52	22.18	122.73	1,548.76	322.78	576.39	534.32	42.07	13.701	
11,800.00	10,466.96	12,249.48	10,778.04	20.07	22.70	122.68	1,648.76	322.67	576.07	533.17	42.91	13.426	
11,900.00	10,467.79	12,349.48	10,778.28	20.65	23.25	122.63	1,748.76	322.55	575.76	531.98	43.78	13.150	
12,000.00	10,468.63	12,449.47	10,778.53	21.24	23.81	122.58	1,848.76	322.43	575.44	530.75	44.69	12.875	
12,100.00	10,469.46	12,549.47	10,778.78	21.86	24.40	122.54	1,948.75	322.32	575.13	529.49	45.64	12.603	
12,200.00	10,470.30	12,649.47	10,779.03	22.49	24.99	122.49	2,048.75	322.20	574.81	528.20	46.61	12.332	
12,300.00	10,471.13	12,749.47	10,779.28	23.13	25.61	122.44	2,148.75	322.08	574.50	526.89	47.61	12.066	
12,400.00	10,471.96	12,849.47	10,779.52	23.79	26.23	122.39	2,248.75	321.97	574.18	525.54	48.64	11.804	
12,500.00	10,472.80	12,949.47	10,779.77	24.46	26.87	122.34	2,348.74	321.85	573.87	524.17	49.70	11.546	
12,600.00	10,473.63	13,049.46	10,780.02	25.15	27.52	122.29	2,448.74	321.73	573.56	522.78	50.78	11.294	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2											Offset Site Error: 0.00 usft		
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR											Offset Well Error: 0.00 usft		
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	Rule Assigned:						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	
12,700.00	10,474.47	13,149.46	10,780.27	25.84	28.19	122.24	2,548.74	321.62	573.25	521.36	51.89	11.048	
12,800.00	10,475.30	13,249.46	10,780.52	26.54	28.86	122.19	2,648.74	321.50	572.93	519.92	53.01	10.808	
12,900.00	10,476.14	13,349.46	10,780.76	27.26	29.54	122.14	2,748.74	321.38	572.62	518.46	54.16	10.573	
13,000.00	10,476.97	13,449.46	10,781.01	27.98	30.24	122.09	2,848.73	321.27	572.31	516.99	55.32	10.345	
13,100.00	10,477.81	13,549.45	10,781.26	28.71	30.94	122.04	2,948.73	321.15	572.00	515.49	56.51	10.123	
13,200.00	10,478.64	13,649.45	10,781.51	29.44	31.64	121.99	3,048.73	321.03	571.69	513.98	57.71	9.907	
13,300.00	10,479.47	13,749.45	10,781.76	30.18	32.36	121.94	3,148.73	320.92	571.38	512.46	58.92	9.697	
13,400.00	10,480.31	13,849.45	10,782.01	30.93	33.08	121.89	3,248.73	320.80	571.07	510.92	60.15	9.494	
13,500.00	10,481.14	13,949.45	10,782.25	31.69	33.81	121.84	3,348.72	320.68	570.76	509.36	61.40	9.296	
13,600.00	10,481.98	14,049.45	10,782.50	32.45	34.54	121.79	3,448.72	320.57	570.45	507.80	62.66	9.104	
13,700.00	10,482.81	14,149.44	10,782.75	33.21	35.28	121.74	3,548.72	320.45	570.14	506.22	63.93	8.918	
13,800.00	10,483.65	14,249.44	10,783.00	33.98	36.03	121.69	3,648.72	320.33	569.84	504.62	65.21	8.738	
13,900.00	10,484.48	14,349.44	10,783.25	34.75	36.78	121.64	3,748.72	320.22	569.53	503.02	66.51	8.563	
14,000.00	10,485.31	14,449.44	10,783.49	35.53	37.53	121.59	3,848.71	320.10	569.22	501.41	67.81	8.394	
14,100.00	10,486.15	14,549.44	10,783.74	36.31	38.29	121.54	3,948.71	319.98	568.92	499.78	69.13	8.230	
14,200.00	10,486.98	14,649.44	10,783.99	37.09	39.05	121.49	4,048.71	319.87	568.61	498.15	70.46	8.070	
14,300.00	10,487.82	14,749.43	10,784.24	37.87	39.82	121.44	4,148.71	319.75	568.30	496.51	71.79	7.916	
14,400.00	10,488.65	14,849.43	10,784.49	38.66	40.59	121.39	4,248.70	319.63	568.00	494.86	73.14	7.766	
14,500.00	10,489.49	14,949.43	10,784.74	39.46	41.36	121.34	4,348.70	319.52	567.69	493.20	74.49	7.621	
14,600.00	10,490.32	15,049.43	10,784.98	40.25	42.14	121.29	4,448.70	319.40	567.39	491.54	75.85	7.480	
14,700.00	10,491.16	15,149.43	10,785.23	41.05	42.92	121.24	4,548.70	319.29	567.09	489.87	77.22	7.344	
14,800.00	10,491.99	15,249.43	10,785.48	41.85	43.70	121.19	4,648.70	319.17	566.78	488.19	78.60	7.211	
14,900.00	10,492.82	15,349.42	10,785.73	42.65	44.49	121.13	4,748.69	319.05	566.48	486.50	79.98	7.083	
15,000.00	10,493.66	15,449.42	10,785.98	43.46	45.28	121.08	4,848.69	318.94	566.18	484.81	81.37	6.958	
15,100.00	10,494.49	15,549.42	10,786.22	44.26	46.07	121.03	4,948.69	318.82	565.88	483.11	82.77	6.837	
15,200.00	10,495.33	15,649.42	10,786.47	45.07	46.86	120.98	5,048.69	318.70	565.57	481.41	84.17	6.720	
15,300.00	10,496.16	15,749.42	10,786.72	45.88	47.66	120.93	5,148.69	318.59	565.27	479.70	85.58	6.605	
15,400.00	10,497.00	15,849.42	10,786.97	46.69	48.46	120.88	5,248.68	318.47	564.97	477.98	86.99	6.495	
15,500.00	10,497.83	15,949.41	10,787.22	47.50	49.26	120.83	5,348.68	318.35	564.67	476.26	88.41	6.387	
15,600.00	10,498.67	16,049.41	10,787.47	48.32	50.06	120.78	5,448.68	318.24	564.37	474.54	89.84	6.282	
15,700.00	10,499.50	16,149.41	10,787.71	49.13	50.86	120.73	5,548.68	318.12	564.07	472.81	91.27	6.180	
15,800.00	10,500.33	16,249.41	10,787.96	49.95	51.67	120.68	5,648.68	318.00	563.77	471.07	92.70	6.082	
15,900.00	10,501.17	16,349.41	10,788.21	50.77	52.47	120.62	5,748.67	317.89	563.48	469.33	94.14	5.985	
16,000.00	10,502.00	16,449.40	10,788.46	51.59	53.28	120.57	5,848.67	317.77	563.18	467.59	95.59	5.892	
16,100.00	10,502.84	16,549.40	10,788.71	52.41	54.09	120.52	5,948.67	317.65	562.88	465.85	97.03	5.801	
16,200.00	10,503.67	16,649.40	10,788.95	53.23	54.90	120.47	6,048.67	317.54	562.58	464.10	98.49	5.712	
16,300.00	10,504.51	16,749.40	10,789.20	54.06	55.71	120.42	6,148.67	317.42	562.29	462.34	99.94	5.626	
16,400.00	10,505.34	16,849.40	10,789.45	54.88	56.53	120.37	6,248.66	317.30	561.99	460.58	101.41	5.542	
16,500.00	10,506.17	16,949.40	10,789.70	55.71	57.34	120.32	6,348.66	317.19	561.69	458.82	102.87	5.460	
16,600.00	10,507.01	17,049.39	10,789.95	56.53	58.16	120.26	6,448.66	317.07	561.40	457.06	104.34	5.380	
16,700.00	10,507.84	17,149.39	10,790.19	57.36	58.98	120.21	6,548.66	316.95	561.10	455.29	105.81	5.303	
16,800.00	10,508.68	17,249.39	10,790.44	58.19	59.80	120.16	6,648.65	316.84	560.81	453.52	107.29	5.227	
16,900.00	10,509.51	17,349.39	10,790.69	59.02	60.62	120.11	6,748.65	316.72	560.52	451.75	108.77	5.153	
17,000.00	10,510.35	17,449.39	10,790.94	59.85	61.44	120.06	6,848.65	316.60	560.22	449.97	110.25	5.081	
17,100.00	10,511.18	17,549.39	10,791.19	60.68	62.26	120.00	6,948.65	316.49	559.93	448.19	111.74	5.011	
17,200.00	10,512.02	17,649.38	10,791.44	61.51	63.08	119.95	7,048.65	316.37	559.64	446.41	113.23	4.943	
17,300.00	10,512.85	17,749.38	10,791.68	62.34	63.91	119.90	7,148.64	316.25	559.34	444.63	114.72	4.876	
17,400.00	10,513.68	17,849.38	10,791.93	63.17	64.73	119.85	7,248.64	316.14	559.05	442.84	116.21	4.811	
17,500.00	10,514.52	17,949.38	10,792.18	64.01	65.56	119.80	7,348.64	316.02	558.76	441.05	117.71	4.747	
17,600.00	10,515.35	18,049.38	10,792.43	64.84	66.38	119.74	7,448.64	315.90	558.47	439.26	119.21	4.685	
17,700.00	10,516.19	18,149.38	10,792.68	65.67	67.21	119.69	7,548.64	315.79	558.18	437.46	120.72	4.624	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
17,800.00	10,517.02	18,249.37	10,792.92	66.51	68.04	119.64	7,648.63	315.67	557.89	435.67	122.22	4.565	
17,900.00	10,517.86	18,349.37	10,793.17	67.34	68.87	119.59	7,748.63	315.55	557.60	433.87	123.73	4.506	
18,000.00	10,518.69	18,449.37	10,793.42	68.18	69.70	119.53	7,848.63	315.44	557.31	432.07	125.24	4.450	
18,100.00	10,519.53	18,549.37	10,793.67	69.02	70.53	119.48	7,948.63	315.32	557.03	430.27	126.76	4.394	
18,200.00	10,520.36	18,649.37	10,793.92	69.85	71.36	119.43	8,048.63	315.20	556.74	428.46	128.28	4.340	
18,300.00	10,521.19	18,749.37	10,794.17	70.69	72.19	119.38	8,148.62	315.09	556.45	426.65	129.80	4.287	
18,400.00	10,522.03	18,849.36	10,794.41	71.53	73.02	119.32	8,248.62	314.97	556.16	424.85	131.32	4.235	
18,500.00	10,522.86	18,949.36	10,794.66	72.37	73.85	119.27	8,348.62	314.85	555.88	423.03	132.84	4.184	
18,600.00	10,523.70	19,049.36	10,794.91	73.21	74.68	119.22	8,448.62	314.74	555.59	421.22	134.37	4.135	
18,700.00	10,524.53	19,149.36	10,795.16	74.05	75.52	119.17	8,548.61	314.62	555.31	419.41	135.90	4.086	
18,800.00	10,525.37	19,249.36	10,795.41	74.89	76.35	119.11	8,648.61	314.51	555.02	417.59	137.43	4.039	
18,900.00	10,526.20	19,349.36	10,795.65	75.73	77.19	119.06	8,748.61	314.39	554.74	415.77	138.96	3.992	
19,000.00	10,527.04	19,449.35	10,795.90	76.57	78.02	119.01	8,848.61	314.27	554.45	413.95	140.50	3.946	
19,100.00	10,527.87	19,549.35	10,796.15	77.41	78.86	118.95	8,948.61	314.16	554.17	412.13	142.03	3.902	
19,200.00	10,528.70	19,649.35	10,796.40	78.25	79.69	118.90	9,048.60	314.04	553.88	410.31	143.57	3.858	
19,300.00	10,529.54	19,749.35	10,796.65	79.09	80.53	118.85	9,148.60	313.92	553.60	408.49	145.12	3.815	
19,400.00	10,530.37	19,849.35	10,796.90	79.93	81.37	118.79	9,248.60	313.81	553.32	406.66	146.66	3.773	
19,500.00	10,531.21	19,949.34	10,797.14	80.77	82.20	118.74	9,348.60	313.69	553.04	404.83	148.21	3.732	
19,600.00	10,532.04	20,049.34	10,797.39	81.62	83.04	118.69	9,448.60	313.57	552.76	403.00	149.75	3.691	
19,700.00	10,532.88	20,149.34	10,797.64	82.46	83.88	118.63	9,548.59	313.46	552.48	401.17	151.30	3.651	
19,800.00	10,533.71	20,249.34	10,797.89	83.30	84.72	118.58	9,648.59	313.34	552.20	399.34	152.85	3.613	
19,900.00	10,534.54	20,349.34	10,798.14	84.14	85.56	118.53	9,748.59	313.22	551.92	397.51	154.41	3.574	
20,000.00	10,535.38	20,449.34	10,798.38	84.99	86.40	118.47	9,848.59	313.11	551.64	395.67	155.96	3.537	
20,100.00	10,536.21	20,549.33	10,798.63	85.83	87.24	118.42	9,948.59	312.99	551.36	393.84	157.52	3.500	
20,200.00	10,537.05	20,649.33	10,798.88	86.68	88.08	118.37	10,048.58	312.87	551.08	392.00	159.08	3.464	
20,300.00	10,537.88	20,749.33	10,799.13	87.52	88.92	118.31	10,148.58	312.76	550.80	390.16	160.64	3.429	
20,400.00	10,538.72	20,849.33	10,799.38	88.36	89.76	118.26	10,248.58	312.64	550.52	388.32	162.20	3.394	
20,500.00	10,539.55	20,949.33	10,799.62	89.21	90.60	118.21	10,348.58	312.52	550.25	386.48	163.77	3.360	
20,600.00	10,540.39	21,049.33	10,799.87	90.05	91.44	118.15	10,448.58	312.41	549.97	384.64	165.33	3.326	
20,685.65	10,541.10	21,134.97	10,800.09	90.78	92.16	118.11	10,534.22	312.31	549.73	383.06	166.67	3.298	
20,686.55	10,541.11	21,135.87	10,800.09	90.78	92.17	118.11	10,535.12	312.31	549.73	383.05	166.68	3.298 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
0.00	0.00	0.00	0.10	0.00	0.00	179.71	-20.00	0.10	20.00				
100.00	100.00	99.90	100.00	0.77	0.77	179.71	-20.00	0.10	20.00	18.01	1.99	10.048	
200.00	200.00	199.90	200.00	1.44	1.44	179.71	-20.00	0.10	20.00	16.69	3.31	6.041	
300.00	300.00	299.90	300.00	1.88	1.88	179.71	-20.00	0.10	20.00	15.81	4.19	4.768	
400.00	400.00	399.90	400.00	2.25	2.25	179.71	-20.00	0.10	20.00	15.09	4.91	4.072	
500.00	500.00	499.90	500.00	2.56	2.56	179.71	-20.00	0.10	20.00	14.47	5.53	3.615	
600.00	600.00	599.90	600.00	2.84	2.84	179.71	-20.00	0.10	20.00	13.91	6.09	3.284	
700.00	700.00	699.90	700.00	3.10	3.10	179.71	-20.00	0.10	20.00	13.40	6.60	3.030	
800.00	800.00	799.90	800.00	3.34	3.34	179.71	-20.00	0.10	20.00	12.92	7.08	2.826 Normal Operations	
900.00	900.00	899.90	900.00	3.57	3.57	179.71	-20.00	0.10	20.00	12.48	7.52	2.658 Normal Operations	
1,000.00	1,000.00	999.90	1,000.00	3.79	3.79	179.71	-20.00	0.10	20.00	12.05	7.95	2.517 Normal Operations	
1,100.00	1,100.00	1,099.90	1,100.00	3.99	3.99	179.71	-20.00	0.10	20.00	11.65	8.35	2.395 Caution - Monitor Closely	
1,200.00	1,200.00	1,199.90	1,200.00	4.19	4.19	179.71	-20.00	0.10	20.00	11.26	8.74	2.289 Caution - Monitor Closely	
1,300.00	1,300.00	1,299.90	1,300.00	4.38	4.38	179.71	-20.00	0.10	20.00	10.89	9.11	2.195 Caution - Monitor Closely	
1,400.00	1,400.00	1,399.90	1,400.00	4.56	4.56	179.71	-20.00	0.10	20.00	10.53	9.47	2.111 Caution - Monitor Closely	
1,500.00	1,500.00	1,499.90	1,500.00	4.74	4.74	179.71	-20.00	0.10	20.00	10.18	9.82	2.036 Caution - Monitor Closely	
1,600.00	1,600.00	1,599.90	1,600.00	4.91	4.91	179.71	-20.00	0.10	20.00	9.84	10.16	1.968 Caution - Monitor Closely	
1,700.00	1,700.00	1,699.90	1,700.00	5.08	5.08	179.71	-20.00	0.10	20.00	9.51	10.49	1.906 Caution - Monitor Closely	
1,800.00	1,800.00	1,799.90	1,800.00	5.24	5.24	179.71	-20.00	0.10	20.00	9.18	10.82	1.849 Caution - Monitor Closely	
1,900.00	1,900.00	1,899.90	1,900.00	5.40	5.40	179.71	-20.00	0.10	20.00	8.87	11.13	1.797 Caution - Monitor Closely	
2,000.00	2,000.00	1,999.90	2,000.00	5.56	5.56	179.71	-20.00	0.10	20.00	8.56	11.44	1.748 Caution - Monitor Closely, CC, ES, SF	
2,100.00	2,099.98	2,100.00	2,100.08	5.79	5.79	-124.83	-19.74	-1.63	20.75	9.00	11.75	1.766 Caution - Monitor Closely	
2,200.00	2,199.84	2,200.06	2,200.00	6.01	6.01	-122.58	-18.95	-6.80	23.02	11.00	12.03	1.914 Caution - Monitor Closely	
2,300.00	2,299.45	2,300.05	2,299.60	6.26	6.26	-119.68	-17.65	-15.42	26.87	14.57	12.30	2.185 Caution - Monitor Closely	
2,400.08	2,398.78	2,400.00	2,398.80	6.52	6.52	-116.77	-15.82	-27.47	32.33	19.77	12.57	2.573 Normal Operations	
2,500.00	2,497.73	2,499.62	2,497.19	6.73	6.80	-111.97	-13.49	-42.87	38.72	25.92	12.81	3.024	
2,600.00	2,596.75	2,599.30	2,595.36	6.95	7.03	-106.38	-10.90	-59.98	45.59	32.54	13.05	3.492	
2,700.00	2,695.78	2,698.98	2,693.52	7.20	7.28	-102.27	-8.31	-77.09	52.77	39.45	13.32	3.961	
2,800.00	2,794.81	2,798.66	2,791.69	7.46	7.55	-99.16	-5.71	-94.20	60.16	46.56	13.61	4.421	
2,900.00	2,893.83	2,898.34	2,889.85	7.74	7.84	-96.74	-3.12	-111.31	67.69	53.78	13.91	4.867	
3,000.00	2,992.86	2,998.02	2,988.02	8.03	8.14	-94.80	-0.53	-128.43	75.32	61.10	14.22	5.297	
3,100.00	3,091.89	3,097.70	3,086.19	8.34	8.46	-93.22	2.06	-145.54	83.01	68.47	14.54	5.708	
3,200.00	3,190.91	3,197.38	3,184.35	8.65	8.78	-91.91	4.65	-162.65	90.76	75.88	14.87	6.101	
3,212.64	3,203.43	3,209.98	3,196.76	8.68	8.83	-91.76	4.98	-164.81	91.74	76.83	14.91	6.154	
3,300.00	3,290.03	3,297.04	3,282.50	8.98	9.12	-90.49	7.25	-179.76	98.53	83.30	15.23	6.468	
3,400.00	3,389.36	3,396.65	3,380.60	9.30	9.47	-88.36	9.84	-196.86	106.41	90.79	15.62	6.811	
3,500.00	3,488.88	3,496.18	3,478.61	9.62	9.83	-85.67	12.43	-213.95	114.54	98.48	16.06	7.132	
3,600.00	3,588.55	3,595.59	3,576.51	9.94	10.19	-82.55	15.01	-231.01	123.11	106.55	16.56	7.434	
3,700.00	3,688.35	3,694.85	3,674.27	10.24	10.56	-79.12	17.59	-248.05	132.34	115.21	17.14	7.723	
3,800.00	3,788.24	3,793.94	3,771.85	10.53	10.94	-75.49	20.17	-265.06	142.43	124.64	17.79	8.007	
3,900.00	3,888.20	3,892.82	3,869.23	10.80	11.32	-71.75	22.74	-282.04	153.58	135.07	18.51	8.296	
4,000.00	3,988.19	3,991.46	3,966.38	11.02	11.70	-68.00	25.31	-298.97	165.97	146.68	19.29	8.602	
4,012.81	4,001.00	4,004.08	3,978.80	11.02	11.75	-122.12	25.63	-301.14	167.65	148.27	19.39	8.647	
4,100.00	4,088.19	4,089.95	4,063.36	11.10	12.09	-118.99	27.87	-315.88	179.47	159.39	20.08	8.938	
4,200.00	4,188.19	4,188.43	4,160.35	11.17	12.48	-115.86	30.43	-332.78	193.59	172.75	20.84	9.291	
4,300.00	4,288.19	4,286.91	4,257.33	11.25	12.88	-113.17	32.99	-349.69	208.20	186.63	21.57	9.653	
4,400.00	4,388.19	4,385.39	4,354.32	11.32	13.28	-110.83	35.55	-366.60	223.20	200.92	22.28	10.018	
4,500.00	4,488.19	4,483.87	4,451.30	11.39	13.68	-108.79	38.11	-383.50	238.53	215.55	22.97	10.383	
4,600.00	4,588.19	4,582.35	4,548.29	11.47	14.09	-106.99	40.67	-400.41	254.11	230.46	23.65	10.744	
4,700.00	4,688.19	4,680.83	4,645.28	11.54	14.50	-105.40	43.23	-417.31	269.92	245.60	24.32	11.101	
4,800.00	4,788.19	4,779.32	4,742.26	11.61	14.91	-103.99	45.79	-434.22	285.90	260.93	24.97	11.450	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
4,900.00	4,888.19	4,877.80	4,839.25	11.69	15.32	-102.72	48.36	-451.13	302.04	276.42	25.61	11.792	
5,000.00	4,988.19	4,976.28	4,936.23	11.76	15.74	-101.59	50.92	-468.03	318.30	292.05	26.25	12.125	
5,100.00	5,088.19	5,074.76	5,033.22	11.84	16.15	-100.56	53.48	-484.94	334.68	307.80	26.88	12.450	
5,200.00	5,188.19	5,173.24	5,130.20	11.91	16.57	-99.63	56.04	-501.85	351.15	323.64	27.51	12.764	
5,300.00	5,288.19	5,271.72	5,227.19	11.98	16.99	-98.79	58.60	-518.75	367.70	339.57	28.13	13.070	
5,400.00	5,388.19	5,370.20	5,324.17	12.06	17.41	-98.01	61.16	-535.66	384.33	355.57	28.75	13.366	
5,500.00	5,488.19	5,468.68	5,421.16	12.13	17.84	-97.31	63.72	-552.56	401.02	371.64	29.37	13.653	
5,600.00	5,588.19	5,567.16	5,518.14	12.21	18.26	-96.65	66.28	-569.47	417.76	387.77	29.99	13.930	
5,700.00	5,688.19	5,668.93	5,618.40	12.28	18.69	-96.04	68.90	-586.77	434.39	403.78	30.61	14.191	
5,800.00	5,788.19	5,775.68	5,723.82	12.36	19.14	-95.49	71.41	-603.31	449.59	418.34	31.25	14.387	
5,900.00	5,888.19	5,883.03	5,830.14	12.43	19.58	-95.04	73.63	-617.99	463.02	431.15	31.87	14.529	
6,000.00	5,988.19	5,990.90	5,937.23	12.51	20.02	-94.67	75.57	-630.75	474.66	442.20	32.46	14.623	
6,100.00	6,088.19	6,099.22	6,045.00	12.58	20.44	-94.37	77.20	-641.55	484.48	451.46	33.02	14.672	
6,200.00	6,188.19	6,207.92	6,153.33	12.66	20.84	-94.14	78.54	-650.37	492.48	458.93	33.55	14.680	
6,300.00	6,288.19	6,316.92	6,262.11	12.73	21.22	-93.97	79.57	-657.16	498.64	464.60	34.03	14.651	
6,400.00	6,388.19	6,426.15	6,371.23	12.81	21.58	-93.85	80.29	-661.92	502.94	468.46	34.47	14.589	
6,500.00	6,488.19	6,535.51	6,480.56	12.88	21.88	-93.78	80.70	-664.62	505.38	470.54	34.84	14.504	
6,600.00	6,588.19	6,643.15	6,588.19	12.96	22.06	-93.76	80.80	-665.30	505.99	470.92	35.07	14.429	
6,700.00	6,688.19	6,743.15	6,688.19	13.03	22.09	-93.76	80.80	-665.30	505.99	470.83	35.16	14.391	
6,800.00	6,788.19	6,843.15	6,788.19	13.11	22.13	-93.76	80.80	-665.30	505.99	470.73	35.26	14.350	
6,900.00	6,888.19	6,943.15	6,888.19	13.18	22.17	-93.76	80.80	-665.30	505.99	470.63	35.36	14.310	
7,000.00	6,988.19	7,043.15	6,988.19	13.26	22.20	-93.76	80.80	-665.30	505.99	470.53	35.46	14.270	
7,100.00	7,088.19	7,143.15	7,088.19	13.33	22.24	-93.76	80.80	-665.30	505.99	470.43	35.56	14.229	
7,200.00	7,188.19	7,243.15	7,188.19	13.41	22.27	-93.76	80.80	-665.30	505.99	470.33	35.66	14.189	
7,300.00	7,288.19	7,343.15	7,288.19	13.49	22.31	-93.76	80.80	-665.30	505.99	470.23	35.76	14.149	
7,400.00	7,388.19	7,443.15	7,388.19	13.56	22.35	-93.76	80.80	-665.30	505.99	470.13	35.86	14.109	
7,500.00	7,488.19	7,543.15	7,488.19	13.64	22.39	-93.76	80.80	-665.30	505.99	470.02	35.97	14.069	
7,600.00	7,588.19	7,643.15	7,588.19	13.71	22.42	-93.76	80.80	-665.30	505.99	469.92	36.07	14.029	
7,700.00	7,688.19	7,743.15	7,688.19	13.79	22.46	-93.76	80.80	-665.30	505.99	469.82	36.17	13.989	
7,800.00	7,788.19	7,843.15	7,788.19	13.87	22.50	-93.76	80.80	-665.30	505.99	469.72	36.27	13.949	
7,900.00	7,888.19	7,943.15	7,888.19	13.94	22.54	-93.76	80.80	-665.30	505.99	469.61	36.38	13.909	
8,000.00	7,988.19	8,043.15	7,988.19	14.02	22.57	-93.76	80.80	-665.30	505.99	469.51	36.48	13.869	
8,100.00	8,088.19	8,143.15	8,088.19	14.09	22.61	-93.76	80.80	-665.30	505.99	469.40	36.59	13.829	
8,200.00	8,188.19	8,243.15	8,188.19	14.17	22.65	-93.76	80.80	-665.30	505.99	469.30	36.69	13.790	
8,300.00	8,288.19	8,343.15	8,288.19	14.25	22.69	-93.76	80.80	-665.30	505.99	469.19	36.80	13.750	
8,400.00	8,388.19	8,443.15	8,388.19	14.32	22.73	-93.76	80.80	-665.30	505.99	469.09	36.90	13.711	
8,500.00	8,488.19	8,543.15	8,488.19	14.40	22.77	-93.76	80.80	-665.30	505.99	468.98	37.01	13.671	
8,600.00	8,588.19	8,643.15	8,588.19	14.48	22.81	-93.76	80.80	-665.30	505.99	468.87	37.12	13.632	
8,700.00	8,688.19	8,743.15	8,688.19	14.55	22.85	-93.76	80.80	-665.30	505.99	468.77	37.22	13.593	
8,800.00	8,788.19	8,843.15	8,788.19	14.63	22.89	-93.76	80.80	-665.30	505.99	468.66	37.33	13.554	
8,900.00	8,888.19	8,943.15	8,888.19	14.71	22.93	-93.76	80.80	-665.30	505.99	468.55	37.44	13.515	
9,000.00	8,988.19	9,043.15	8,988.19	14.78	22.97	-93.76	80.80	-665.30	505.99	468.44	37.55	13.476	
9,100.00	9,088.19	9,143.15	9,088.19	14.86	23.01	-93.76	80.80	-665.30	505.99	468.33	37.66	13.437	
9,200.00	9,188.19	9,243.15	9,188.19	14.94	23.05	-93.76	80.80	-665.30	505.99	468.22	37.77	13.398	
9,300.00	9,288.19	9,343.15	9,288.19	15.02	23.09	-93.76	80.80	-665.30	505.99	468.11	37.88	13.359	
9,400.00	9,388.19	9,443.15	9,388.19	15.09	23.14	-93.76	80.80	-665.30	505.99	468.00	37.99	13.321	
9,500.00	9,488.19	9,543.15	9,488.19	15.17	23.18	-93.76	80.80	-665.30	505.99	467.89	38.10	13.282	
9,600.00	9,588.19	9,643.15	9,588.19	15.25	23.22	-93.76	80.80	-665.30	505.99	467.78	38.21	13.244	
9,700.00	9,688.19	9,743.15	9,688.19	15.32	23.26	-93.76	80.80	-665.30	505.99	467.67	38.32	13.205	
9,800.00	9,788.19	9,843.15	9,788.19	15.40	23.30	-93.76	80.80	-665.30	505.99	467.56	38.43	13.167	
9,900.00	9,888.19	9,943.15	9,888.19	15.48	23.35	-93.76	80.80	-665.30	505.99	467.45	38.54	13.129	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
9,992.46	9,980.65	10,035.61	9,980.65	15.55	23.39	-93.76	80.80	-665.30	505.99	467.35	38.64	13.095	
10,000.00	9,988.19	10,043.15	9,988.19	15.55	23.39	-93.70	80.80	-665.30	505.99	467.35	38.64	13.094	
10,025.00	10,013.17	10,068.12	10,013.17	15.55	23.40	-93.81	80.80	-665.30	506.06	467.41	38.65	13.093	
10,050.00	10,038.05	10,093.01	10,038.05	15.56	23.41	-94.06	80.80	-665.30	506.23	467.58	38.64	13.100	
10,075.00	10,062.78	10,117.74	10,062.78	15.57	23.42	-94.43	80.80	-665.30	506.50	467.88	38.62	13.115	
10,100.00	10,087.28	10,142.24	10,087.28	15.57	23.43	-94.93	80.80	-665.30	506.91	468.33	38.58	13.138	
10,125.00	10,111.50	10,166.45	10,111.50	15.58	23.44	-95.54	80.80	-665.30	507.50	468.96	38.53	13.170	
10,150.00	10,135.35	10,190.30	10,135.35	15.59	23.45	-96.24	80.80	-665.30	508.30	469.83	38.47	13.214	
10,175.00	10,158.78	10,213.73	10,158.78	15.59	23.46	-97.03	80.80	-665.30	509.37	470.99	38.38	13.272	
10,200.00	10,181.72	10,236.67	10,181.72	15.60	23.47	-97.88	80.80	-665.30	510.78	472.50	38.28	13.344	
10,225.00	10,204.11	10,259.06	10,204.11	15.61	23.48	-98.77	80.80	-665.30	512.57	474.41	38.16	13.433	
10,250.00	10,225.88	10,280.84	10,225.88	15.62	23.49	-99.68	80.80	-665.30	514.82	476.81	38.01	13.543	
10,275.00	10,246.99	10,301.94	10,246.99	15.63	23.50	-100.59	80.80	-665.30	517.60	479.75	37.85	13.675	
10,300.00	10,267.36	10,322.32	10,267.36	15.64	23.50	-101.48	80.80	-665.30	520.98	483.32	37.66	13.833	
10,325.00	10,286.95	10,347.21	10,292.25	15.65	23.50	-102.66	81.12	-665.30	524.95	487.53	37.42	14.027	
10,350.00	10,305.70	10,376.21	10,321.18	15.66	23.51	-104.05	83.07	-665.30	529.33	492.16	37.17	14.241	
10,375.00	10,323.56	10,406.86	10,351.57	15.68	23.51	-105.45	87.04	-665.31	534.03	497.11	36.92	14.463	
10,400.00	10,340.48	10,439.39	10,383.47	15.69	23.51	-106.87	93.37	-665.31	539.02	502.33	36.69	14.689	
10,425.00	10,356.41	10,474.05	10,416.90	15.70	23.52	-108.32	102.49	-665.33	544.23	507.73	36.50	14.912	
10,450.00	10,371.31	10,511.12	10,451.82	15.72	23.52	-109.79	114.89	-665.34	549.58	513.23	36.35	15.121	
10,475.00	10,385.14	10,550.90	10,488.11	15.74	23.52	-111.28	131.18	-665.36	554.98	518.72	36.26	15.307	
10,500.00	10,397.87	10,593.71	10,525.49	15.75	23.53	-112.78	152.01	-665.38	560.33	524.09	36.24	15.460	
10,525.00	10,409.45	10,639.84	10,563.51	15.77	23.54	-114.26	178.10	-665.41	565.52	529.19	36.32	15.568	
10,550.00	10,419.85	10,689.51	10,601.43	15.79	23.55	-115.69	210.15	-665.45	570.39	533.89	36.51	15.624	
10,575.00	10,429.05	10,742.88	10,638.21	15.81	23.56	-117.03	248.77	-665.50	574.82	538.02	36.79	15.622	
10,600.00	10,437.02	10,799.87	10,672.48	15.84	23.59	-118.22	294.27	-665.55	578.64	541.46	37.18	15.565	
10,625.00	10,443.74	10,860.20	10,702.58	15.86	23.62	-119.20	346.51	-665.61	581.69	544.06	37.63	15.459	
10,650.00	10,449.19	10,923.28	10,726.74	15.89	23.66	-119.91	404.73	-665.68	583.85	545.74	38.12	15.317	
10,675.00	10,453.36	10,988.21	10,743.38	15.92	23.72	-120.30	467.43	-665.76	585.01	546.41	38.60	15.156	
10,700.00	10,456.23	11,053.85	10,751.41	15.95	23.79	-120.33	532.54	-665.83	585.11	546.07	39.04	14.988	
10,725.00	10,457.80	11,093.77	10,752.15	15.98	23.84	-120.23	572.44	-665.88	584.48	545.25	39.23	14.900	
10,738.48	10,458.10	11,107.24	10,752.20	16.00	23.86	-120.22	585.91	-665.89	584.35	545.08	39.27	14.881	
10,800.00	10,458.61	11,168.76	10,752.40	16.09	23.96	-120.19	647.43	-665.97	584.19	544.72	39.47	14.803	
10,900.00	10,459.45	11,268.76	10,752.73	16.30	24.14	-120.15	747.43	-666.08	583.94	544.10	39.84	14.657	
11,000.00	10,460.28	11,368.76	10,753.06	16.55	24.36	-120.11	847.43	-666.20	583.69	543.41	40.27	14.494	
11,100.00	10,461.12	11,468.76	10,753.39	16.85	24.60	-120.06	947.43	-666.32	583.43	542.68	40.76	14.315	
11,200.00	10,461.95	11,568.76	10,753.72	17.20	24.87	-120.02	1,047.43	-666.44	583.18	541.89	41.29	14.122	
11,300.00	10,462.79	11,668.76	10,754.06	17.60	25.16	-119.98	1,147.43	-666.56	582.93	541.05	41.88	13.918	
11,400.00	10,463.62	11,768.76	10,754.39	18.03	25.49	-119.93	1,247.42	-666.67	582.68	540.16	42.52	13.704	
11,500.00	10,464.45	11,868.75	10,754.72	18.50	25.84	-119.89	1,347.42	-666.79	582.43	539.23	43.20	13.481	
11,600.00	10,465.29	11,968.75	10,755.05	19.00	26.21	-119.85	1,447.42	-666.91	582.18	538.25	43.93	13.253	
11,700.00	10,466.12	12,068.75	10,755.38	19.52	26.60	-119.81	1,547.42	-667.03	581.93	537.23	44.70	13.019	
11,800.00	10,466.96	12,168.75	10,755.71	20.07	27.02	-119.76	1,647.42	-667.14	581.68	536.17	45.51	12.782	
11,900.00	10,467.79	12,268.75	10,756.04	20.65	27.46	-119.72	1,747.41	-667.26	581.43	535.08	46.36	12.543	
12,000.00	10,468.63	12,368.75	10,756.37	21.24	27.92	-119.68	1,847.41	-667.38	581.18	533.94	47.24	12.303	
12,100.00	10,469.46	12,468.75	10,756.70	21.86	28.40	-119.63	1,947.41	-667.50	580.93	532.78	48.16	12.064	
12,200.00	10,470.30	12,568.75	10,757.03	22.49	28.89	-119.59	2,047.41	-667.62	580.69	531.58	49.11	11.825	
12,300.00	10,471.13	12,668.74	10,757.36	23.13	29.41	-119.55	2,147.41	-667.73	580.44	530.35	50.09	11.589	
12,400.00	10,471.96	12,768.74	10,757.70	23.79	29.93	-119.50	2,247.40	-667.85	580.19	529.09	51.10	11.355	
12,500.00	10,472.80	12,868.74	10,758.03	24.46	30.48	-119.46	2,347.40	-667.97	579.94	527.81	52.13	11.125	
12,600.00	10,473.63	12,968.74	10,758.36	25.15	31.04	-119.42	2,447.40	-668.09	579.70	526.50	53.19	10.898	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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											Offset Well Error: 0.00 usft		
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	Rule Assigned:						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	
12,700.00	10,474.47	13,068.74	10,758.69	25.84	31.61	-119.37	2,547.40	-668.20	579.45	525.17	54.28	10.675	
12,800.00	10,475.30	13,168.74	10,759.02	26.54	32.20	-119.33	2,647.40	-668.32	579.20	523.81	55.39	10.457	
12,900.00	10,476.14	13,268.74	10,759.35	27.26	32.79	-119.29	2,747.40	-668.44	578.96	522.44	56.52	10.243	
13,000.00	10,476.97	13,368.74	10,759.68	27.98	33.40	-119.24	2,847.39	-668.56	578.71	521.04	57.67	10.035	
13,100.00	10,477.81	13,468.73	10,760.01	28.71	34.02	-119.20	2,947.39	-668.67	578.47	519.63	58.84	9.831	
13,200.00	10,478.64	13,568.73	10,760.34	29.44	34.65	-119.16	3,047.39	-668.79	578.22	518.19	60.03	9.632	
13,300.00	10,479.47	13,668.73	10,760.67	30.18	35.29	-119.11	3,147.39	-668.91	577.98	516.74	61.24	9.439	
13,400.00	10,480.31	13,768.73	10,761.00	30.93	35.94	-119.07	3,247.39	-669.03	577.73	515.28	62.46	9.250	
13,500.00	10,481.14	13,868.73	10,761.34	31.69	36.60	-119.02	3,347.38	-669.15	577.49	513.79	63.69	9.067	
13,600.00	10,481.98	13,968.73	10,761.67	32.45	37.26	-118.98	3,447.38	-669.26	577.25	512.30	64.95	8.888	
13,700.00	10,482.81	14,068.73	10,762.00	33.21	37.94	-118.94	3,547.38	-669.38	577.00	510.79	66.21	8.714	
13,800.00	10,483.65	14,168.73	10,762.33	33.98	38.62	-118.89	3,647.38	-669.50	576.76	509.27	67.49	8.546	
13,900.00	10,484.48	14,268.72	10,762.66	34.75	39.31	-118.85	3,747.38	-669.62	576.52	507.74	68.78	8.382	
14,000.00	10,485.31	14,368.72	10,762.99	35.53	40.00	-118.81	3,847.37	-669.73	576.27	506.19	70.08	8.223	
14,100.00	10,486.15	14,468.72	10,763.32	36.31	40.70	-118.76	3,947.37	-669.85	576.03	504.63	71.40	8.068	
14,200.00	10,486.98	14,568.72	10,763.65	37.09	41.41	-118.72	4,047.37	-669.97	575.79	503.07	72.72	7.918	
14,300.00	10,487.82	14,668.72	10,763.98	37.87	42.12	-118.67	4,147.37	-670.09	575.55	501.49	74.06	7.772	
14,400.00	10,488.65	14,768.72	10,764.31	38.66	42.84	-118.63	4,247.37	-670.21	575.31	499.91	75.40	7.630	
14,500.00	10,489.49	14,868.72	10,764.65	39.46	43.56	-118.59	4,347.37	-670.32	575.07	498.31	76.75	7.492	
14,600.00	10,490.32	14,968.72	10,764.98	40.25	44.29	-118.54	4,447.36	-670.44	574.83	496.71	78.12	7.359	
14,700.00	10,491.16	15,068.71	10,765.31	41.05	45.02	-118.50	4,547.36	-670.56	574.59	495.10	79.49	7.229	
14,800.00	10,491.99	15,168.71	10,765.64	41.85	45.75	-118.45	4,647.36	-670.68	574.35	493.48	80.86	7.103	
14,900.00	10,492.82	15,268.71	10,765.97	42.65	46.49	-118.41	4,747.36	-670.79	574.11	491.86	82.25	6.980	
15,000.00	10,493.66	15,368.71	10,766.30	43.46	47.24	-118.37	4,847.36	-670.91	573.87	490.23	83.64	6.861	
15,100.00	10,494.49	15,468.71	10,766.63	44.26	47.99	-118.32	4,947.35	-671.03	573.63	488.59	85.04	6.745	
15,200.00	10,495.33	15,568.71	10,766.96	45.07	48.74	-118.28	5,047.35	-671.15	573.39	486.95	86.45	6.633	
15,300.00	10,496.16	15,668.71	10,767.29	45.88	49.49	-118.23	5,147.35	-671.26	573.16	485.29	87.86	6.523	
15,400.00	10,497.00	15,768.71	10,767.62	46.69	50.25	-118.19	5,247.35	-671.38	572.92	483.64	89.28	6.417	
15,500.00	10,497.83	15,868.70	10,767.95	47.50	51.01	-118.14	5,347.35	-671.50	572.68	481.98	90.71	6.314	
15,600.00	10,498.67	15,968.70	10,768.29	48.32	51.78	-118.10	5,447.34	-671.62	572.45	480.31	92.14	6.213	
15,700.00	10,499.50	16,068.70	10,768.62	49.13	52.55	-118.05	5,547.34	-671.74	572.21	478.64	93.57	6.115	
15,800.00	10,500.33	16,168.70	10,768.95	49.95	53.32	-118.01	5,647.34	-671.85	571.97	476.96	95.01	6.020	
15,900.00	10,501.17	16,268.70	10,769.28	50.77	54.09	-117.97	5,747.34	-671.97	571.74	475.28	96.46	5.927	
16,000.00	10,502.00	16,368.70	10,769.61	51.59	54.87	-117.92	5,847.34	-672.09	571.50	473.59	97.91	5.837	
16,100.00	10,502.84	16,468.70	10,769.94	52.41	55.64	-117.88	5,947.33	-672.21	571.27	471.90	99.37	5.749	
16,200.00	10,503.67	16,568.69	10,770.27	53.23	56.42	-117.83	6,047.33	-672.32	571.03	470.21	100.83	5.664	
16,300.00	10,504.51	16,668.69	10,770.60	54.06	57.21	-117.79	6,147.33	-672.44	570.80	468.51	102.29	5.580	
16,400.00	10,505.34	16,768.69	10,770.93	54.88	57.99	-117.74	6,247.33	-672.56	570.56	466.81	103.76	5.499	
16,500.00	10,506.17	16,868.69	10,771.26	55.71	58.78	-117.70	6,347.33	-672.68	570.33	465.10	105.23	5.420	
16,600.00	10,507.01	16,968.69	10,771.59	56.53	59.56	-117.65	6,447.33	-672.80	570.10	463.39	106.71	5.343	
16,700.00	10,507.84	17,068.69	10,771.93	57.36	60.35	-117.61	6,547.32	-672.91	569.86	461.68	108.19	5.267	
16,800.00	10,508.68	17,168.69	10,772.26	58.19	61.15	-117.56	6,647.32	-673.03	569.63	459.96	109.67	5.194	
16,900.00	10,509.51	17,268.69	10,772.59	59.02	61.94	-117.52	6,747.32	-673.15	569.40	458.24	111.16	5.122	
17,000.00	10,510.35	17,368.68	10,772.92	59.85	62.74	-117.47	6,847.32	-673.27	569.17	456.52	112.65	5.052	
17,100.00	10,511.18	17,468.68	10,773.25	60.68	63.53	-117.43	6,947.32	-673.38	568.94	454.79	114.15	4.984	
17,200.00	10,512.02	17,568.68	10,773.58	61.51	64.33	-117.38	7,047.31	-673.50	568.71	453.06	115.64	4.918	
17,300.00	10,512.85	17,668.68	10,773.91	62.34	65.13	-117.34	7,147.31	-673.62	568.47	451.33	117.14	4.853	
17,400.00	10,513.68	17,768.68	10,774.24	63.17	65.93	-117.29	7,247.31	-673.74	568.24	449.60	118.65	4.789	
17,500.00	10,514.52	17,868.68	10,774.57	64.01	66.74	-117.25	7,347.31	-673.85	568.01	447.86	120.15	4.727	
17,600.00	10,515.35	17,968.68	10,774.90	64.84	67.54	-117.20	7,447.31	-673.97	567.78	446.12	121.66	4.667	
17,700.00	10,516.19	18,068.68	10,775.24	65.67	68.35	-117.16	7,547.30	-674.09	567.55	444.38	123.18	4.608	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		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	
17,800.00	10,517.02	18,168.67	10,775.57	66.51	69.15	-117.11	7,647.30	-674.21	567.33	442.63	124.69	4.550	
17,900.00	10,517.86	18,268.67	10,775.90	67.34	69.96	-117.07	7,747.30	-674.33	567.10	440.89	126.21	4.493	
18,000.00	10,518.69	18,368.67	10,776.23	68.18	70.77	-117.02	7,847.30	-674.44	566.87	439.14	127.73	4.438	
18,100.00	10,519.53	18,468.67	10,776.56	69.02	71.58	-116.98	7,947.30	-674.56	566.64	437.39	129.25	4.384	
18,200.00	10,520.36	18,568.67	10,776.89	69.85	72.39	-116.93	8,047.30	-674.68	566.41	435.63	130.78	4.331	
18,300.00	10,521.19	18,668.67	10,777.22	70.69	73.20	-116.88	8,147.29	-674.80	566.19	433.88	132.31	4.279	
18,400.00	10,522.03	18,768.67	10,777.55	71.53	74.02	-116.84	8,247.29	-674.91	565.96	432.12	133.84	4.229	
18,500.00	10,522.86	18,868.67	10,777.88	72.37	74.83	-116.79	8,347.29	-675.03	565.73	430.36	135.37	4.179	
18,600.00	10,523.70	18,968.66	10,778.21	73.21	75.65	-116.75	8,447.29	-675.15	565.51	428.60	136.91	4.131	
18,700.00	10,524.53	19,068.66	10,778.54	74.05	76.46	-116.70	8,547.29	-675.27	565.28	426.84	138.45	4.083	
18,800.00	10,525.37	19,168.66	10,778.88	74.89	77.28	-116.66	8,647.28	-675.39	565.05	425.07	139.98	4.037	
18,900.00	10,526.20	19,268.66	10,779.21	75.73	78.10	-116.61	8,747.28	-675.50	564.83	423.30	141.53	3.991	
19,000.00	10,527.04	19,368.66	10,779.54	76.57	78.92	-116.57	8,847.28	-675.62	564.60	421.53	143.07	3.946	
19,100.00	10,527.87	19,468.66	10,779.87	77.41	79.74	-116.52	8,947.28	-675.74	564.38	419.76	144.62	3.903	
19,200.00	10,528.70	19,568.66	10,780.20	78.25	80.56	-116.47	9,047.28	-675.86	564.16	417.99	146.16	3.860	
19,300.00	10,529.54	19,668.66	10,780.53	79.09	81.38	-116.43	9,147.27	-675.97	563.93	416.22	147.71	3.818	
19,400.00	10,530.37	19,768.65	10,780.86	79.93	82.20	-116.38	9,247.27	-676.09	563.71	414.44	149.27	3.777	
19,500.00	10,531.21	19,868.65	10,781.19	80.77	83.02	-116.34	9,347.27	-676.21	563.49	412.67	150.82	3.736	
19,600.00	10,532.04	19,968.65	10,781.52	81.62	83.85	-116.29	9,447.27	-676.33	563.26	410.89	152.38	3.697	
19,700.00	10,532.88	20,068.65	10,781.85	82.46	84.67	-116.24	9,547.27	-676.45	563.04	409.11	153.93	3.658	
19,800.00	10,533.71	20,168.65	10,782.18	83.30	85.50	-116.20	9,647.27	-676.56	562.82	407.33	155.49	3.620	
19,900.00	10,534.54	20,268.65	10,782.52	84.14	86.32	-116.15	9,747.26	-676.68	562.60	405.54	157.05	3.582	
20,000.00	10,535.38	20,368.65	10,782.85	84.99	87.15	-116.11	9,847.26	-676.80	562.38	403.76	158.62	3.546	
20,100.00	10,536.21	20,468.65	10,783.18	85.83	87.97	-116.06	9,947.26	-676.92	562.16	401.98	160.18	3.510	
20,200.00	10,537.05	20,568.64	10,783.51	86.68	88.80	-116.01	10,047.26	-677.03	561.94	400.19	161.75	3.474	
20,300.00	10,537.88	20,668.64	10,783.84	87.52	89.63	-115.97	10,147.26	-677.15	561.72	398.40	163.32	3.439	
20,400.00	10,538.72	20,768.64	10,784.17	88.36	90.46	-115.92	10,247.25	-677.27	561.50	396.61	164.89	3.405	
20,500.00	10,539.55	20,868.64	10,784.50	89.21	91.29	-115.88	10,347.25	-677.39	561.28	394.82	166.46	3.372	
20,600.00	10,540.39	20,968.64	10,784.83	90.05	92.12	-115.83	10,447.25	-677.50	561.06	393.03	168.03	3.339	
20,683.68	10,541.08	21,050.14	10,785.10	90.76	92.79	-115.79	10,528.75	-677.60	560.88	391.55	169.32	3.312	
20,685.65	10,541.10	21,050.14	10,785.10	90.78	92.79	-115.79	10,528.75	-677.60	560.89	391.55	169.34	3.312	
20,686.55	10,541.11	21,050.14	10,785.10	90.78	92.79	-115.79	10,528.75	-677.60	560.89	391.54	169.35	3.312	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		Offset Wellbore Centre		Distance		No-Go		Separation		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)	Distance (usft)	Factor		
0.00	0.00	0.00	0.10	0.00	0.00	179.57	-40.00	0.30	40.00					
100.00	100.00	99.90	100.00	0.77	0.77	179.57	-40.00	0.30	40.00	38.01	1.99	20.096		
200.00	200.00	199.90	200.00	1.44	1.44	179.57	-40.00	0.30	40.00	36.69	3.31	12.082		
300.00	300.00	299.90	300.00	1.88	1.88	179.57	-40.00	0.30	40.00	35.81	4.19	9.536		
400.00	400.00	399.90	400.00	2.25	2.25	179.57	-40.00	0.30	40.00	35.09	4.91	8.144		
500.00	500.00	499.90	500.00	2.56	2.56	179.57	-40.00	0.30	40.00	34.47	5.53	7.230		
600.00	600.00	599.90	600.00	2.84	2.84	179.57	-40.00	0.30	40.00	33.91	6.09	6.568		
700.00	700.00	699.90	700.00	3.10	3.10	179.57	-40.00	0.30	40.00	33.40	6.60	6.060		
800.00	800.00	799.90	800.00	3.34	3.34	179.57	-40.00	0.30	40.00	32.92	7.08	5.653		
900.00	900.00	899.90	900.00	3.57	3.57	179.57	-40.00	0.30	40.00	32.48	7.52	5.317		
1,000.00	1,000.00	999.90	1,000.00	3.79	3.79	179.57	-40.00	0.30	40.00	32.05	7.95	5.033		
1,100.00	1,100.00	1,099.90	1,100.00	3.99	3.99	179.57	-40.00	0.30	40.00	31.65	8.35	4.790		
1,200.00	1,200.00	1,199.90	1,200.00	4.19	4.19	179.57	-40.00	0.30	40.00	31.26	8.74	4.577		
1,300.00	1,300.00	1,299.90	1,300.00	4.38	4.38	179.57	-40.00	0.30	40.00	30.89	9.11	4.390		
1,400.00	1,400.00	1,399.90	1,400.00	4.56	4.56	179.57	-40.00	0.30	40.00	30.53	9.47	4.223		
1,500.00	1,500.00	1,499.90	1,500.00	4.74	4.74	179.57	-40.00	0.30	40.00	30.18	9.82	4.072		
1,600.00	1,600.00	1,599.90	1,600.00	4.91	4.91	179.57	-40.00	0.30	40.00	29.84	10.16	3.936		
1,700.00	1,700.00	1,699.90	1,700.00	5.08	5.08	179.57	-40.00	0.30	40.00	29.51	10.49	3.812		
1,800.00	1,800.00	1,799.90	1,800.00	5.24	5.24	179.57	-40.00	0.30	40.00	29.19	10.82	3.698		
1,900.00	1,900.00	1,899.90	1,900.00	5.40	5.40	179.57	-40.00	0.30	40.00	28.87	11.13	3.594		
2,000.00	2,000.00	1,999.90	2,000.00	5.56	5.56	179.57	-40.00	0.30	40.00	28.56	11.44	3.497 CC, ES		
2,100.00	2,099.98	2,099.90	2,099.98	5.79	5.78	-125.36	-40.00	-1.44	41.01	29.26	11.75	3.491 SF		
2,200.00	2,199.84	2,199.83	2,199.77	6.01	6.00	-124.06	-40.00	-6.67	44.05	32.02	12.03	3.662		
2,300.00	2,299.45	2,299.63	2,299.18	6.26	6.21	-122.24	-40.00	-15.35	49.16	36.85	12.31	3.994		
2,400.08	2,398.78	2,399.31	2,398.12	6.52	6.41	-120.24	-40.00	-27.48	56.36	43.77	12.59	4.477		
2,500.00	2,497.73	2,498.58	2,496.16	6.73	6.62	-117.11	-40.00	-42.98	64.85	52.01	12.84	5.051		
2,600.00	2,596.75	2,597.51	2,593.29	6.95	6.82	-112.10	-40.00	-61.79	74.19	61.11	13.08	5.671		
2,700.00	2,695.78	2,695.81	2,689.09	7.20	7.02	-106.05	-40.00	-83.79	85.03	71.70	13.33	6.380		
2,800.00	2,794.81	2,793.87	2,783.94	7.46	7.12	-99.78	-40.00	-108.67	97.87	84.36	13.52	7.241		
2,900.00	2,893.83	2,892.46	2,879.17	7.74	7.25	-94.73	-40.00	-134.19	111.88	98.10	13.78	8.116		
3,000.00	2,992.86	2,991.05	2,974.40	8.03	7.39	-90.82	-40.00	-159.70	126.55	112.48	14.07	8.995		
3,100.00	3,091.89	3,089.64	3,069.63	8.34	7.54	-87.73	-40.00	-185.22	141.69	127.32	14.37	9.863		
3,200.00	3,190.91	3,188.23	3,164.86	8.65	7.69	-85.23	-40.00	-210.74	157.14	142.47	14.67	10.711		
3,212.64	3,203.43	3,200.69	3,176.89	8.68	7.71	-84.95	-40.00	-213.96	159.12	144.42	14.70	10.825		
3,300.00	3,290.03	3,286.76	3,260.04	8.98	7.84	-83.11	-40.00	-236.24	172.92	157.93	14.99	11.533		
3,400.00	3,389.36	3,385.14	3,355.06	9.30	8.00	-80.87	-40.00	-261.70	189.19	173.86	15.32	12.348		
3,500.00	3,488.88	3,483.34	3,449.91	9.62	8.16	-78.54	-40.00	-287.12	206.07	190.40	15.66	13.155		
3,600.00	3,588.55	3,581.32	3,544.55	9.94	8.32	-76.16	-40.00	-312.48	223.68	207.66	16.02	13.960		
3,700.00	3,688.35	3,679.05	3,638.96	10.24	8.49	-73.76	-40.00	-337.77	242.14	225.75	16.40	14.766		
3,800.00	3,788.24	3,776.51	3,733.09	10.53	8.66	-71.37	-40.00	-362.99	261.57	244.78	16.79	15.578		
3,900.00	3,888.20	3,873.66	3,826.93	10.80	8.83	-69.02	-40.00	-388.14	282.05	264.85	17.20	16.402		
4,000.00	3,988.19	3,970.48	3,920.45	11.02	9.00	-66.72	-40.00	-413.20	303.67	286.06	17.61	17.247		
4,012.81	4,001.00	3,982.85	3,932.40	11.02	9.02	-121.03	-40.00	-416.40	306.53	288.88	17.65	17.368		
4,100.00	4,088.19	4,067.07	4,013.76	11.10	9.17	-119.00	-40.00	-438.20	326.23	308.24	17.99	18.130		
4,200.00	4,188.19	4,163.66	4,107.06	11.17	9.35	-116.96	-40.00	-463.20	349.26	330.90	18.36	19.020		
4,300.00	4,288.19	4,260.26	4,200.36	11.25	9.53	-115.16	-40.00	-488.20	372.67	353.95	18.72	19.904		
4,400.00	4,388.19	4,356.85	4,293.66	11.32	9.71	-113.58	-40.00	-513.20	396.38	377.31	19.07	20.781		
4,500.00	4,488.19	4,453.44	4,386.96	11.39	9.90	-112.18	-40.00	-538.20	420.35	400.93	19.42	21.647		
4,600.00	4,588.19	4,550.03	4,480.26	11.47	10.08	-110.92	-40.00	-563.20	444.54	424.78	19.76	22.501		
4,700.00	4,688.19	4,646.63	4,573.56	11.54	10.27	-109.80	-40.00	-588.20	468.90	448.81	20.09	23.342		
4,800.00	4,788.19	4,743.22	4,666.86	11.61	10.46	-108.78	-40.00	-613.20	493.42	473.00	20.42	24.167		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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	Offset Wellbore Centre	Distance	Rule Assigned:								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	
4,900.00	4,888.19	4,839.81	4,760.17	11.69	10.65	-107.86	-40.00	-638.20	518.07	497.33	20.74	24.978	
5,000.00	4,988.19	4,936.40	4,853.47	11.76	10.84	-107.03	-40.00	-663.20	542.84	521.77	21.06	25.772	
5,100.00	5,088.19	5,033.00	4,946.77	11.84	11.03	-106.27	-40.00	-688.20	567.70	546.32	21.38	26.550	
5,200.00	5,188.19	5,129.59	5,040.07	11.91	11.23	-105.57	-40.00	-713.20	592.66	570.96	21.70	27.312	
5,300.00	5,288.19	5,226.18	5,133.37	11.98	11.42	-104.92	-40.00	-738.20	617.69	595.67	22.02	28.057	
5,400.00	5,388.19	5,322.78	5,226.67	12.06	11.62	-104.33	-40.00	-763.20	642.78	620.45	22.33	28.786	
5,500.00	5,488.19	5,419.37	5,319.97	12.13	11.82	-103.78	-40.00	-788.20	667.94	645.30	22.64	29.498	
5,600.00	5,588.19	5,515.96	5,413.27	12.21	12.02	-103.27	-40.00	-813.20	693.15	670.19	22.96	30.194	
5,700.00	5,688.19	5,612.55	5,506.58	12.28	12.22	-102.80	-40.00	-838.20	718.41	695.14	23.27	30.874	
5,800.00	5,788.19	5,709.15	5,599.88	12.36	12.43	-102.36	-40.00	-863.20	743.71	720.13	23.58	31.539	
5,900.00	5,888.19	5,805.74	5,693.18	12.43	12.63	-101.95	-40.00	-888.20	769.05	745.16	23.89	32.189	
6,000.00	5,988.19	5,905.00	5,789.07	12.51	12.82	-101.55	-40.00	-913.86	794.40	770.20	24.20	32.829	
6,100.00	6,088.19	6,017.47	5,898.08	12.58	13.08	-101.15	-40.00	-941.52	818.54	793.97	24.58	33.303	
6,200.00	6,188.19	6,131.02	6,008.67	12.66	13.31	-100.81	-40.00	-967.28	840.84	815.90	24.93	33.726	
6,300.00	6,288.19	6,245.58	6,120.74	12.73	13.54	-100.50	-40.00	-991.04	861.24	835.96	25.28	34.074	
6,400.00	6,388.19	6,361.08	6,234.17	12.81	13.77	-100.24	-40.00	-1,012.73	879.71	854.10	25.61	34.351	
6,500.00	6,488.19	6,477.42	6,348.86	12.88	14.00	-100.02	-40.00	-1,032.25	896.24	870.31	25.93	34.560	
6,600.00	6,588.19	6,594.52	6,464.68	12.96	14.22	-99.83	-40.00	-1,049.55	910.80	884.55	26.25	34.703	
6,700.00	6,688.19	6,712.29	6,581.48	13.03	14.44	-99.67	-40.00	-1,064.55	923.36	896.81	26.55	34.784	
6,800.00	6,788.19	6,830.63	6,699.15	13.11	14.65	-99.54	-40.00	-1,077.21	933.90	907.07	26.83	34.805	
6,900.00	6,888.19	6,949.45	6,817.52	13.18	14.85	-99.43	-40.00	-1,087.47	942.42	915.32	27.11	34.769	
7,000.00	6,988.19	7,068.65	6,936.46	13.26	15.04	-99.35	-40.00	-1,095.29	948.90	921.54	27.36	34.678	
7,100.00	7,088.19	7,188.12	7,055.81	13.33	15.22	-99.30	-40.00	-1,100.65	953.32	925.72	27.60	34.536	
7,200.00	7,188.19	7,307.76	7,175.42	13.41	15.38	-99.27	-40.00	-1,103.51	955.69	927.87	27.82	34.355	
7,300.00	7,288.19	7,420.54	7,288.19	13.49	15.46	-99.27	-40.00	-1,104.04	956.12	928.17	27.95	34.209	
7,400.00	7,388.19	7,520.54	7,388.19	13.56	15.52	-99.27	-40.00	-1,104.04	956.12	928.03	28.09	34.039	
7,500.00	7,488.19	7,620.54	7,488.19	13.64	15.57	-99.27	-40.00	-1,104.04	956.12	927.91	28.21	33.888	
7,600.00	7,588.19	7,720.54	7,588.19	13.71	15.62	-99.27	-40.00	-1,104.04	956.12	927.78	28.34	33.738	
7,700.00	7,688.19	7,820.54	7,688.19	13.79	15.66	-99.27	-40.00	-1,104.04	956.12	927.66	28.47	33.589	
7,800.00	7,788.19	7,920.54	7,788.19	13.87	15.71	-99.27	-40.00	-1,104.04	956.12	927.53	28.59	33.441	
7,900.00	7,888.19	8,020.54	7,888.19	13.94	15.76	-99.27	-40.00	-1,104.04	956.12	927.41	28.72	33.293	
8,000.00	7,988.19	8,120.54	7,988.19	14.02	15.81	-99.27	-40.00	-1,104.04	956.12	927.28	28.85	33.147	
8,100.00	8,088.19	8,220.54	8,088.19	14.09	15.86	-99.27	-40.00	-1,104.04	956.12	927.15	28.97	33.001	
8,200.00	8,188.19	8,320.54	8,188.19	14.17	15.91	-99.27	-40.00	-1,104.04	956.12	927.02	29.10	32.857	
8,300.00	8,288.19	8,420.54	8,288.19	14.25	15.96	-99.27	-40.00	-1,104.04	956.12	926.90	29.23	32.713	
8,400.00	8,388.19	8,520.54	8,388.19	14.32	16.01	-99.27	-40.00	-1,104.04	956.12	926.77	29.36	32.570	
8,500.00	8,488.19	8,620.54	8,488.19	14.40	16.06	-99.27	-40.00	-1,104.04	956.12	926.64	29.48	32.428	
8,600.00	8,588.19	8,720.54	8,588.19	14.48	16.11	-99.27	-40.00	-1,104.04	956.12	926.51	29.61	32.287	
8,700.00	8,688.19	8,820.54	8,688.19	14.55	16.16	-99.27	-40.00	-1,104.04	956.12	926.38	29.74	32.147	
8,800.00	8,788.19	8,920.54	8,788.19	14.63	16.22	-99.27	-40.00	-1,104.04	956.12	926.25	29.87	32.007	
8,900.00	8,888.19	9,020.54	8,888.19	14.71	16.27	-99.27	-40.00	-1,104.04	956.12	926.12	30.00	31.869	
9,000.00	8,988.19	9,120.54	8,988.19	14.78	16.32	-99.27	-40.00	-1,104.04	956.12	925.99	30.13	31.731	
9,100.00	9,088.19	9,220.54	9,088.19	14.86	16.37	-99.27	-40.00	-1,104.04	956.12	925.86	30.26	31.594	
9,200.00	9,188.19	9,320.54	9,188.19	14.94	16.42	-99.27	-40.00	-1,104.04	956.12	925.73	30.39	31.458	
9,300.00	9,288.19	9,420.54	9,288.19	15.02	16.48	-99.27	-40.00	-1,104.04	956.12	925.60	30.52	31.323	
9,400.00	9,388.19	9,520.54	9,388.19	15.09	16.53	-99.27	-40.00	-1,104.04	956.12	925.47	30.66	31.189	
9,500.00	9,488.19	9,620.54	9,488.19	15.17	16.58	-99.27	-40.00	-1,104.04	956.12	925.34	30.79	31.056	
9,600.00	9,588.19	9,720.54	9,588.19	15.25	16.64	-99.27	-40.00	-1,104.04	956.12	925.20	30.92	30.923	
9,700.00	9,688.19	9,820.54	9,688.19	15.32	16.69	-99.27	-40.00	-1,104.04	956.12	925.07	31.05	30.792	
9,800.00	9,788.19	9,920.54	9,788.19	15.40	16.74	-99.27	-40.00	-1,104.04	956.12	924.94	31.18	30.661	
9,900.00	9,888.19	10,020.54	9,888.19	15.48	16.80	-99.27	-40.00	-1,104.04	956.12	924.81	31.32	30.531	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	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		Offset Wellbore Centre		Distance		No-Go		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)	Separation Factor	
9,992.46	9,980.65	10,113.00	9,980.65	15.55	16.84	-99.27	-40.00	-1,104.04	956.12	924.69	31.43	30.421
10,000.00	9,988.19	10,120.54	9,988.19	15.55	16.85	-99.20	-40.00	-1,104.04	956.13	924.70	31.43	30.418
10,025.00	10,013.17	10,145.52	10,013.17	15.55	16.85	-99.25	-40.00	-1,104.04	956.30	924.86	31.44	30.414
10,050.00	10,038.05	10,178.26	10,045.89	15.56	16.86	-99.34	-39.04	-1,104.07	956.59	925.15	31.45	30.421
10,075.00	10,062.78	10,212.02	10,079.48	15.57	16.87	-99.40	-35.72	-1,104.19	956.87	925.43	31.44	30.434
10,100.00	10,087.28	10,245.90	10,112.87	15.57	16.87	-99.43	-30.00	-1,104.39	957.13	925.69	31.44	30.441
10,125.00	10,111.50	10,279.85	10,145.83	15.58	16.87	-99.42	-21.92	-1,104.67	957.37	925.93	31.45	30.442
10,150.00	10,135.35	10,313.79	10,178.13	15.59	16.87	-99.37	-11.52	-1,105.03	957.60	926.14	31.46	30.437
10,175.00	10,158.78	10,347.68	10,209.56	15.59	16.87	-99.29	1.13	-1,105.48	957.80	926.32	31.48	30.426
10,200.00	10,181.72	10,381.47	10,239.92	15.60	16.87	-99.17	15.92	-1,105.99	957.99	926.48	31.50	30.408
10,225.00	10,204.11	10,415.08	10,269.02	15.61	16.87	-99.02	32.73	-1,106.58	958.15	926.62	31.53	30.385
10,250.00	10,225.88	10,448.49	10,296.69	15.62	16.87	-98.84	51.42	-1,107.23	958.31	926.74	31.57	30.357
10,275.00	10,246.99	10,481.63	10,322.79	15.63	16.88	-98.63	71.83	-1,107.95	958.45	926.84	31.61	30.324
10,300.00	10,267.36	10,514.46	10,347.18	15.64	16.88	-98.38	93.78	-1,108.71	958.58	926.93	31.65	30.287
10,325.00	10,286.95	10,546.95	10,369.78	15.65	16.89	-98.11	117.11	-1,109.53	958.72	927.02	31.70	30.247
10,350.00	10,305.70	10,579.07	10,390.50	15.66	16.90	-97.81	141.62	-1,110.38	958.85	927.10	31.75	30.203
10,375.00	10,323.56	10,610.78	10,409.30	15.68	16.92	-97.48	167.13	-1,111.27	958.99	927.19	31.80	30.156
10,400.00	10,340.48	10,642.06	10,426.15	15.69	16.94	-97.14	193.47	-1,112.19	959.15	927.29	31.86	30.107
10,425.00	10,356.41	10,672.90	10,441.03	15.70	16.96	-96.77	220.46	-1,113.14	959.32	927.40	31.92	30.056
10,450.00	10,371.31	10,703.29	10,453.96	15.72	17.00	-96.38	247.93	-1,114.10	959.52	927.54	31.98	30.002
10,475.00	10,385.14	10,733.21	10,464.96	15.74	17.04	-95.98	275.73	-1,115.07	959.74	927.69	32.05	29.945
10,500.00	10,397.87	10,762.66	10,474.06	15.75	17.08	-95.56	303.72	-1,116.04	960.00	927.88	32.12	29.886
10,525.00	10,409.45	10,791.64	10,481.32	15.77	17.13	-95.13	331.76	-1,117.02	960.29	928.09	32.20	29.825
10,550.00	10,419.85	10,820.16	10,486.78	15.79	17.18	-94.69	359.73	-1,118.00	960.63	928.35	32.28	29.761
10,575.00	10,429.05	10,848.22	10,490.52	15.81	17.23	-94.24	387.52	-1,118.97	961.00	928.64	32.36	29.695
10,600.00	10,437.02	10,875.84	10,492.60	15.84	17.29	-93.78	415.03	-1,119.93	961.42	928.97	32.45	29.626
10,625.00	10,443.74	10,902.14	10,493.15	15.86	17.35	-93.33	441.31	-1,120.85	961.89	929.35	32.54	29.556
10,650.00	10,449.19	10,926.56	10,493.33	15.89	17.41	-92.96	465.71	-1,121.70	962.46	929.81	32.64	29.483
10,675.00	10,453.36	10,951.22	10,493.50	15.92	17.47	-92.64	490.36	-1,122.56	963.11	930.37	32.75	29.411
10,700.00	10,456.23	10,976.06	10,493.68	15.95	17.54	-92.39	515.18	-1,123.43	963.84	930.99	32.85	29.339
10,725.00	10,457.80	11,001.00	10,493.86	15.98	17.60	-92.21	540.11	-1,124.30	964.63	931.67	32.96	29.266
10,738.48	10,458.10	11,014.47	10,493.95	16.00	17.64	-92.15	553.57	-1,124.77	965.08	932.05	33.02	29.223
10,800.00	10,458.61	11,075.95	10,494.39	16.09	17.82	-92.14	615.02	-1,126.91	967.15	933.82	33.33	29.017
10,900.00	10,459.45	11,175.90	10,495.10	16.30	18.14	-92.12	714.90	-1,130.40	970.51	936.61	33.90	28.628
11,000.00	10,460.28	11,275.84	10,495.82	16.55	18.49	-92.11	814.78	-1,133.89	973.88	939.33	34.55	28.191
11,100.00	10,461.12	11,375.78	10,496.53	16.85	18.87	-92.09	914.66	-1,137.38	977.25	941.98	35.26	27.715
11,200.00	10,461.95	11,475.73	10,497.24	17.20	19.27	-92.08	1,014.54	-1,140.87	980.61	944.57	36.04	27.208
11,300.00	10,462.79	11,575.67	10,497.95	17.60	19.71	-92.07	1,114.42	-1,144.35	983.98	947.09	36.89	26.677
11,400.00	10,463.62	11,675.61	10,498.66	18.03	20.16	-92.05	1,214.29	-1,147.84	987.34	949.56	37.79	26.130
11,500.00	10,464.45	11,775.56	10,499.37	18.50	20.65	-92.04	1,314.17	-1,151.33	990.71	951.97	38.74	25.572
11,600.00	10,465.29	11,875.50	10,500.09	19.00	21.15	-92.02	1,414.05	-1,154.82	994.08	954.33	39.75	25.011
11,700.00	10,466.12	11,975.44	10,500.80	19.52	21.68	-92.01	1,513.93	-1,158.30	997.44	956.65	40.80	24.449

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB=32ft @ 2945.10usft

Offset Depths are relative to Offset Datum

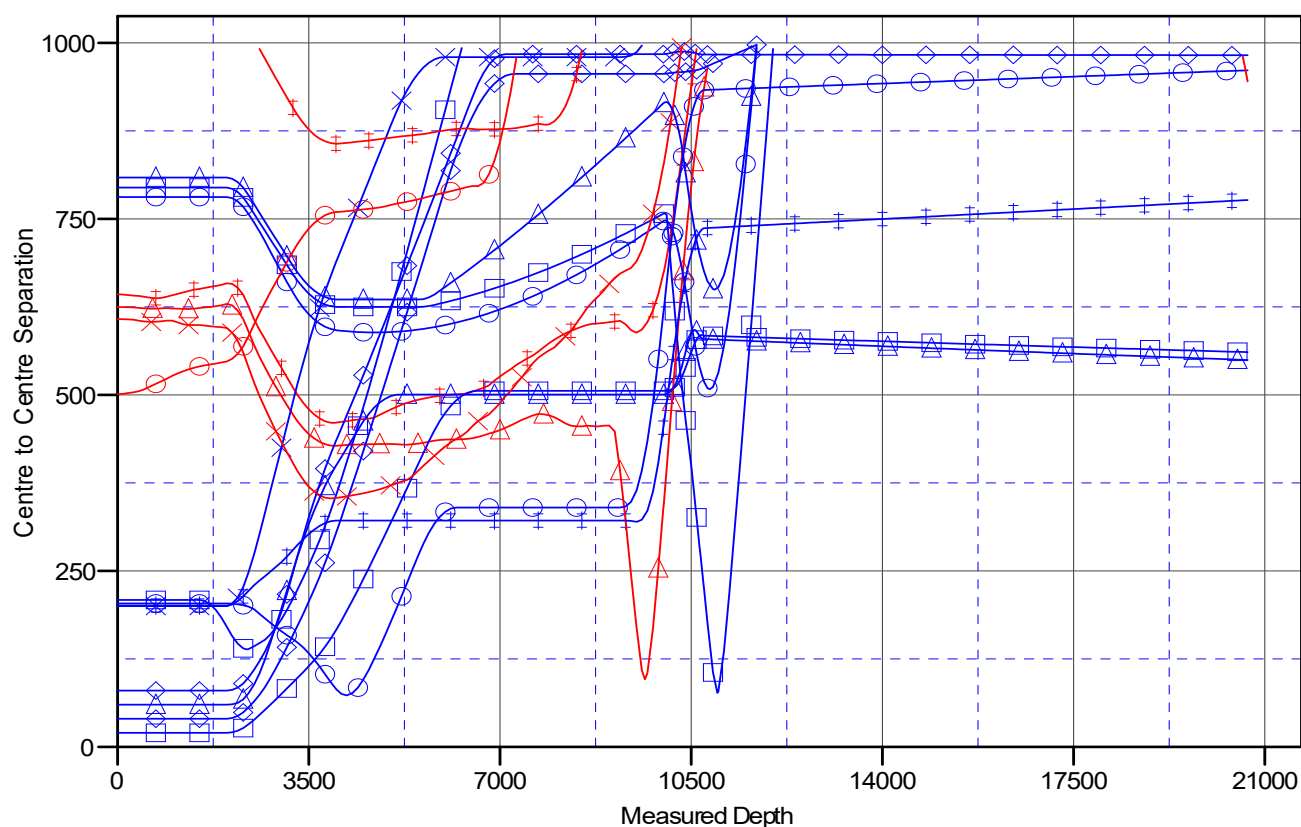
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 903H

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

Grid Convergence at Surface is: 0.16°

Ladder Plot



LEGEND

MOMBA FEDERAL COM 702H, OWB, AWP V0	TATER SALAD FEDERAL COM 702H, OWB, PWP2 V0	GOLDEN GRAHAM 1 STATE COM 764H, OWB, AWP V0
MOMBA FEDERAL COM 703H, OWB, AWP V0	TATER SALAD FEDERAL COM 704H, OWB, PWP2 V0	MOMBA FEDERAL COM 701H, OWB, AWP V0
MOMBA FEDERAL COM 901H, OWB, PWP1 V0	MOMBA 24 FEDERAL COM 1H(P&A), OWB, AWP V0	MOMBA FEDERAL COM 903H, OWB, PWP2 V0
MOMBA FEDERAL COM 902H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 901H, OWB, PWP2 V0	MOMBA 24 FEDERAL COM 3H, OWB, AWP V0
TATER SALAD FEDERAL COM 905H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 904H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 902H, OWB, PWP2 V0
TATER SALAD FEDERAL COM 701H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 703H, OWB, PWP2 V0	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.10usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.10usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB=32ft @ 2945.10usft

Offset Depths are relative to Offset Datum

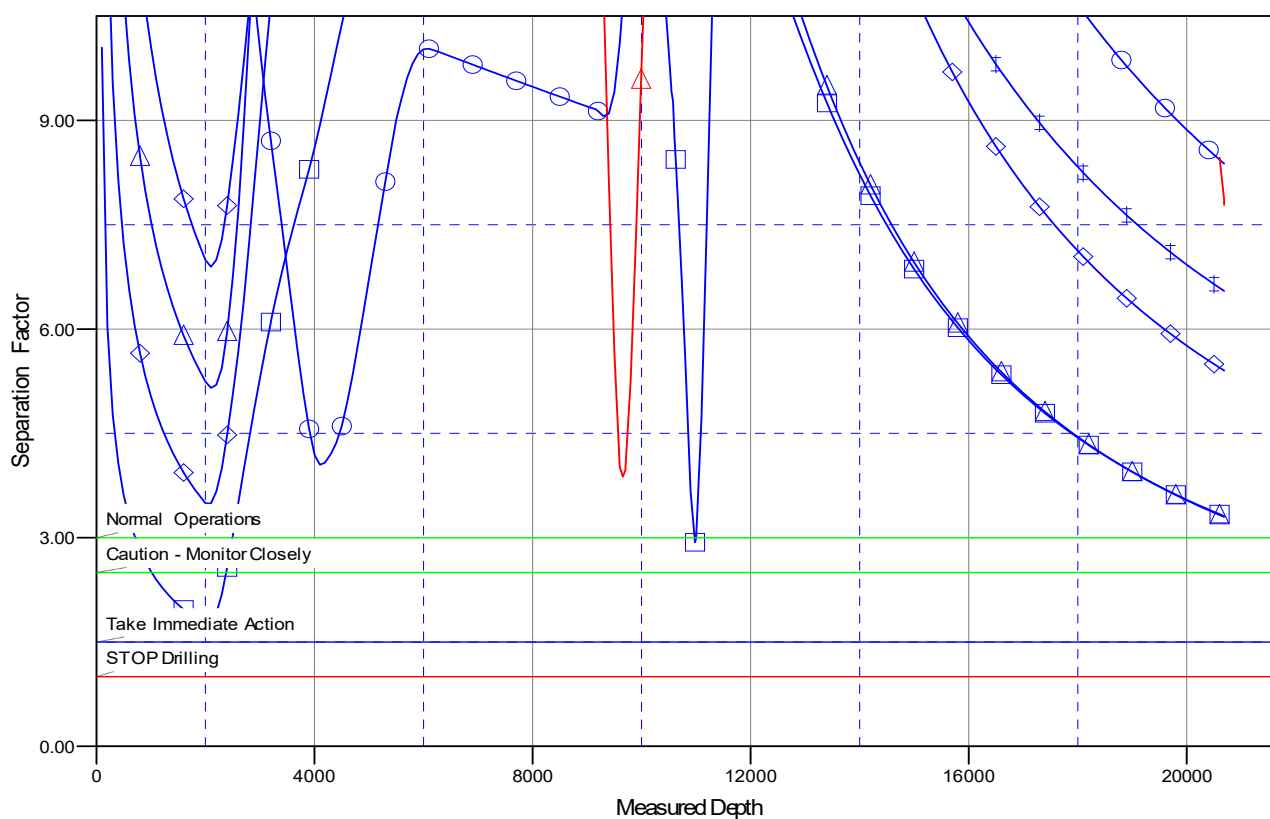
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 903H

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

Grid Convergence at Surface is: 0.16°

Separation Factor Plot



LEGEND

MOMBA FEDERAL COM 702H, OWB, AWP V0	TATER SALAD FEDERAL COM 702H, OWB, PWP2 V0	GOLDEN GRAHAM 1 STATE COM 764H, OWB, AWP V0
MOMBA FEDERAL COM 703H, OWB, AWP V0	TATER SALAD FEDERAL COM 704H, OWB, PWP2 V0	MOMBA FEDERAL COM 701H, OWB, AWP V0
MOMBA FEDERAL COM 901H, OWB, PWP1 V0	MOMBA 24 FEDERAL COM 1H(P&A), OWB, AWP V0	MOMBA FEDERAL COM 903H, OWB, PWP2 V0
MOMBA FEDERAL COM 903H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 901H, OWB, PWP2 V0	MOMBA 24 FEDERAL COM 3H, OWB, AWP V0
TATER SALAD FEDERAL COM 905H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 904H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 902H, OWB, PWP2 V0
TATER SALAD FEDERAL COM 701H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 703H, OWB, PWP2 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 903H

300154775000

OWB

Plan: PWP2

Standard Planning Report

03 February, 2026

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.10usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.10usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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

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

Well	TATER SALAD FEDERAL COM 903H					
Well Position	+N/-S	0.00 usft	Northing:	376,489.40 usft	Latitude:	32° 2' 5.042 N
	+E/-W	0.00 usft	Easting:	592,315.00 usft	Longitude:	104° 2' 7.534 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,913.10 usft
Grid Convergence:		0.16 °				

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2025	5/1/2026	6.38	59.50	46,995.26548645

Design	PWP2				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.06	

Plan Survey Tool Program	Date	2/3/2026			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	2,000.00	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +	
2	2,000.00	9,992.46	PWP2 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5	
3	9,992.46	20,685.65	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +	

ConocoPhillips
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.10usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.10usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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	
2,400.08	8.00	305.40	2,398.78	16.16	-22.73	2.00	2.00	0.00	305.40	
3,212.64	8.00	305.40	3,203.43	81.68	-114.93	0.00	0.00	0.00	0.00	
4,012.81	0.00	0.00	4,001.00	114.00	-160.40	1.00	-1.00	0.00	180.00	
9,992.46	0.00	0.00	9,980.65	114.00	-160.40	0.00	0.00	0.00	0.00	
10,738.48	89.52	359.93	10,458.10	587.48	-160.95	12.00	12.00	-0.01	359.93	
20,685.65	89.52	359.93	10,541.10	10,534.30	-172.60	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.10usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.10usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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
100.00	0.00	0.00	100.00	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
300.00	0.00	0.00	300.00	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
500.00	0.00	0.00	500.00	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
700.00	0.00	0.00	700.00	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
900.00	0.00	0.00	900.00	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
1,100.00	0.00	0.00	1,100.00	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
1,300.00	0.00	0.00	1,300.00	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
1,500.00	0.00	0.00	1,500.00	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
1,700.00	0.00	0.00	1,700.00	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
1,900.00	0.00	0.00	1,900.00	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
2,100.00	2.00	305.40	2,099.98	1.01	-1.42	1.03	2.00	2.00	0.00
2,200.00	4.00	305.40	2,199.84	4.04	-5.69	4.14	2.00	2.00	0.00
2,300.00	6.00	305.40	2,299.45	9.09	-12.79	9.30	2.00	2.00	0.00
2,400.08	8.00	305.40	2,398.78	16.16	-22.73	16.53	2.00	2.00	0.00
2,500.00	8.00	305.40	2,497.73	24.22	-34.07	24.77	0.00	0.00	0.00
2,600.00	8.00	305.40	2,596.75	32.28	-45.42	33.02	0.00	0.00	0.00
2,700.00	8.00	305.40	2,695.78	40.34	-56.76	41.27	0.00	0.00	0.00
2,800.00	8.00	305.40	2,794.81	48.41	-68.11	49.52	0.00	0.00	0.00
2,900.00	8.00	305.40	2,893.83	56.47	-79.46	57.77	0.00	0.00	0.00
3,000.00	8.00	305.40	2,992.86	64.54	-90.80	66.02	0.00	0.00	0.00
3,100.00	8.00	305.40	3,091.89	72.60	-102.15	74.26	0.00	0.00	0.00
3,200.00	8.00	305.40	3,190.91	80.66	-113.50	82.51	0.00	0.00	0.00
3,212.64	8.00	305.40	3,203.43	81.68	-114.93	83.56	0.00	0.00	0.00
3,300.00	7.13	305.40	3,290.03	88.35	-124.31	90.37	1.00	-1.00	0.00
3,400.00	6.13	305.40	3,389.36	95.03	-133.71	97.21	1.00	-1.00	0.00
3,500.00	5.13	305.40	3,488.88	100.71	-141.71	103.02	1.00	-1.00	0.00
3,600.00	4.13	305.40	3,588.55	105.39	-148.28	107.80	1.00	-1.00	0.00
3,700.00	3.13	305.40	3,688.35	109.05	-153.44	111.55	1.00	-1.00	0.00
3,800.00	2.13	305.40	3,788.24	111.71	-157.18	114.27	1.00	-1.00	0.00
3,900.00	1.13	305.40	3,888.20	113.36	-159.49	115.95	1.00	-1.00	0.00
4,000.00	0.13	305.40	3,988.19	113.99	-160.39	116.60	1.00	-1.00	0.00
4,012.81	0.00	0.00	4,001.00	114.00	-160.40	116.61	1.00	-1.00	0.00
4,100.00	0.00	0.00	4,088.19	114.00	-160.40	116.61	0.00	0.00	0.00
4,200.00	0.00	0.00	4,188.19	114.00	-160.40	116.61	0.00	0.00	0.00
4,300.00	0.00	0.00	4,288.19	114.00	-160.40	116.61	0.00	0.00	0.00
4,400.00	0.00	0.00	4,388.19	114.00	-160.40	116.61	0.00	0.00	0.00
4,500.00	0.00	0.00	4,488.19	114.00	-160.40	116.61	0.00	0.00	0.00
4,600.00	0.00	0.00	4,588.19	114.00	-160.40	116.61	0.00	0.00	0.00
4,700.00	0.00	0.00	4,688.19	114.00	-160.40	116.61	0.00	0.00	0.00
4,800.00	0.00	0.00	4,788.19	114.00	-160.40	116.61	0.00	0.00	0.00
4,900.00	0.00	0.00	4,888.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,000.00	0.00	0.00	4,988.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,100.00	0.00	0.00	5,088.19	114.00	-160.40	116.61	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.10usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.10usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)
5,200.00	0.00	0.00	5,188.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,300.00	0.00	0.00	5,288.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,400.00	0.00	0.00	5,388.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,500.00	0.00	0.00	5,488.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,600.00	0.00	0.00	5,588.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,700.00	0.00	0.00	5,688.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,800.00	0.00	0.00	5,788.19	114.00	-160.40	116.61	0.00	0.00	0.00
5,900.00	0.00	0.00	5,888.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,000.00	0.00	0.00	5,988.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,100.00	0.00	0.00	6,088.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,200.00	0.00	0.00	6,188.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,300.00	0.00	0.00	6,288.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,400.00	0.00	0.00	6,388.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,500.00	0.00	0.00	6,488.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,600.00	0.00	0.00	6,588.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,700.00	0.00	0.00	6,688.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,800.00	0.00	0.00	6,788.19	114.00	-160.40	116.61	0.00	0.00	0.00
6,900.00	0.00	0.00	6,888.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,000.00	0.00	0.00	6,988.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,100.00	0.00	0.00	7,088.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,200.00	0.00	0.00	7,188.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,300.00	0.00	0.00	7,288.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,400.00	0.00	0.00	7,388.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,500.00	0.00	0.00	7,488.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,600.00	0.00	0.00	7,588.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,700.00	0.00	0.00	7,688.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,800.00	0.00	0.00	7,788.19	114.00	-160.40	116.61	0.00	0.00	0.00
7,900.00	0.00	0.00	7,888.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,000.00	0.00	0.00	7,988.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,100.00	0.00	0.00	8,088.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,200.00	0.00	0.00	8,188.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,300.00	0.00	0.00	8,288.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,400.00	0.00	0.00	8,388.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,500.00	0.00	0.00	8,488.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,600.00	0.00	0.00	8,588.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,700.00	0.00	0.00	8,688.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,800.00	0.00	0.00	8,788.19	114.00	-160.40	116.61	0.00	0.00	0.00
8,900.00	0.00	0.00	8,888.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,000.00	0.00	0.00	8,988.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,100.00	0.00	0.00	9,088.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,200.00	0.00	0.00	9,188.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,300.00	0.00	0.00	9,288.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,400.00	0.00	0.00	9,388.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,500.00	0.00	0.00	9,488.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,600.00	0.00	0.00	9,588.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,700.00	0.00	0.00	9,688.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,800.00	0.00	0.00	9,788.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,900.00	0.00	0.00	9,888.19	114.00	-160.40	116.61	0.00	0.00	0.00
9,992.46	0.00	0.00	9,980.65	114.00	-160.40	116.61	0.00	0.00	0.00
10,000.00	0.90	359.93	9,988.19	114.06	-160.40	116.67	12.00	12.00	0.00
10,025.00	3.90	359.93	10,013.17	115.11	-160.40	117.72	12.00	12.00	0.00
10,050.00	6.90	359.93	10,038.05	117.46	-160.40	120.07	12.00	12.00	0.00
10,075.00	9.90	359.93	10,062.78	121.12	-160.41	123.73	12.00	12.00	0.00
10,100.00	12.90	359.93	10,087.28	126.06	-160.41	128.67	12.00	12.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.10usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.10usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)	
10,125.00	15.90	359.93	10,111.50	132.28	-160.42	134.89	12.00	12.00	0.00	
10,150.00	18.90	359.93	10,135.35	139.75	-160.43	142.36	12.00	12.00	0.00	
10,175.00	21.90	359.93	10,158.78	148.47	-160.44	151.08	12.00	12.00	0.00	
10,200.00	24.90	359.93	10,181.72	158.40	-160.45	161.01	12.00	12.00	0.00	
10,225.00	27.90	359.93	10,204.11	169.52	-160.47	172.12	12.00	12.00	0.00	
10,250.00	30.90	359.93	10,225.88	181.79	-160.48	184.39	12.00	12.00	0.00	
10,275.00	33.90	359.93	10,246.99	195.18	-160.50	197.79	12.00	12.00	0.00	
10,300.00	36.90	359.93	10,267.36	209.67	-160.51	212.27	12.00	12.00	0.00	
10,325.00	39.90	359.93	10,286.95	225.20	-160.53	227.80	12.00	12.00	0.00	
10,350.00	42.90	359.93	10,305.70	241.73	-160.55	244.33	12.00	12.00	0.00	
10,375.00	45.90	359.93	10,323.56	259.22	-160.57	261.81	12.00	12.00	0.00	
10,400.00	48.90	359.93	10,340.48	277.62	-160.59	280.21	12.00	12.00	0.00	
10,425.00	51.90	359.93	10,356.41	296.88	-160.61	299.47	12.00	12.00	0.00	
10,450.00	54.90	359.93	10,371.31	316.95	-160.64	319.54	12.00	12.00	0.00	
10,475.00	57.90	359.93	10,385.14	337.77	-160.66	340.36	12.00	12.00	0.00	
10,500.00	60.90	359.93	10,397.87	359.29	-160.69	361.87	12.00	12.00	0.00	
10,525.00	63.90	359.93	10,409.45	381.44	-160.71	384.03	12.00	12.00	0.00	
10,550.00	66.90	359.93	10,419.85	404.17	-160.74	406.75	12.00	12.00	0.00	
10,575.00	69.90	359.93	10,429.05	427.42	-160.77	429.99	12.00	12.00	0.00	
10,600.00	72.90	359.93	10,437.02	451.11	-160.79	453.68	12.00	12.00	0.00	
10,625.00	75.90	359.93	10,443.74	475.18	-160.82	477.76	12.00	12.00	0.00	
10,650.00	78.90	359.93	10,449.19	499.58	-160.85	502.15	12.00	12.00	0.00	
10,675.00	81.90	359.93	10,453.36	524.23	-160.88	526.79	12.00	12.00	0.00	
10,700.00	84.90	359.93	10,456.23	549.06	-160.91	551.62	12.00	12.00	0.00	
10,725.00	87.90	359.93	10,457.80	574.01	-160.94	576.57	12.00	12.00	0.00	
10,738.48	89.52	359.93	10,458.10	587.48	-160.95	590.04	12.00	12.00	0.00	
10,800.00	89.52	359.93	10,458.61	649.00	-161.03	651.55	0.00	0.00	0.00	
10,900.00	89.52	359.93	10,459.45	749.00	-161.14	751.54	0.00	0.00	0.00	
11,000.00	89.52	359.93	10,460.28	848.99	-161.26	851.52	0.00	0.00	0.00	
11,100.00	89.52	359.93	10,461.12	948.99	-161.38	951.51	0.00	0.00	0.00	
11,200.00	89.52	359.93	10,461.95	1,048.99	-161.49	1,051.49	0.00	0.00	0.00	
11,300.00	89.52	359.93	10,462.79	1,148.98	-161.61	1,151.48	0.00	0.00	0.00	
11,400.00	89.52	359.93	10,463.62	1,248.98	-161.73	1,251.46	0.00	0.00	0.00	
11,500.00	89.52	359.93	10,464.45	1,348.98	-161.85	1,351.45	0.00	0.00	0.00	
11,600.00	89.52	359.93	10,465.29	1,448.97	-161.96	1,451.43	0.00	0.00	0.00	
11,700.00	89.52	359.93	10,466.12	1,548.97	-162.08	1,551.42	0.00	0.00	0.00	
11,800.00	89.52	359.93	10,466.96	1,648.97	-162.20	1,651.40	0.00	0.00	0.00	
11,900.00	89.52	359.93	10,467.79	1,748.96	-162.31	1,751.39	0.00	0.00	0.00	
12,000.00	89.52	359.93	10,468.63	1,848.96	-162.43	1,851.37	0.00	0.00	0.00	
12,100.00	89.52	359.93	10,469.46	1,948.96	-162.55	1,951.36	0.00	0.00	0.00	
12,200.00	89.52	359.93	10,470.30	2,048.95	-162.67	2,051.34	0.00	0.00	0.00	
12,300.00	89.52	359.93	10,471.13	2,148.95	-162.78	2,151.33	0.00	0.00	0.00	
12,400.00	89.52	359.93	10,471.96	2,248.94	-162.90	2,251.31	0.00	0.00	0.00	
12,500.00	89.52	359.93	10,472.80	2,348.94	-163.02	2,351.30	0.00	0.00	0.00	
12,600.00	89.52	359.93	10,473.63	2,448.94	-163.13	2,451.28	0.00	0.00	0.00	
12,700.00	89.52	359.93	10,474.47	2,548.93	-163.25	2,551.27	0.00	0.00	0.00	
12,800.00	89.52	359.93	10,475.30	2,648.93	-163.37	2,651.25	0.00	0.00	0.00	
12,900.00	89.52	359.93	10,476.14	2,748.93	-163.48	2,751.24	0.00	0.00	0.00	
13,000.00	89.52	359.93	10,476.97	2,848.92	-163.60	2,851.22	0.00	0.00	0.00	
13,100.00	89.52	359.93	10,477.81	2,948.92	-163.72	2,951.21	0.00	0.00	0.00	
13,200.00	89.52	359.93	10,478.64	3,048.92	-163.84	3,051.19	0.00	0.00	0.00	
13,300.00	89.52	359.93	10,479.47	3,148.91	-163.95	3,151.18	0.00	0.00	0.00	
13,400.00	89.52	359.93	10,480.31	3,248.91	-164.07	3,251.16	0.00	0.00	0.00	
13,500.00	89.52	359.93	10,481.14	3,348.91	-164.19	3,351.15	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.10usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.10usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)	
13,600.00	89.52	359.93	10,481.98	3,448.90	-164.30	3,451.13	0.00	0.00	0.00	
13,700.00	89.52	359.93	10,482.81	3,548.90	-164.42	3,551.12	0.00	0.00	0.00	
13,800.00	89.52	359.93	10,483.65	3,648.90	-164.54	3,651.10	0.00	0.00	0.00	
13,900.00	89.52	359.93	10,484.48	3,748.89	-164.66	3,751.09	0.00	0.00	0.00	
14,000.00	89.52	359.93	10,485.31	3,848.89	-164.77	3,851.07	0.00	0.00	0.00	
14,100.00	89.52	359.93	10,486.15	3,948.88	-164.89	3,951.06	0.00	0.00	0.00	
14,200.00	89.52	359.93	10,486.98	4,048.88	-165.01	4,051.04	0.00	0.00	0.00	
14,300.00	89.52	359.93	10,487.82	4,148.88	-165.12	4,151.03	0.00	0.00	0.00	
14,400.00	89.52	359.93	10,488.65	4,248.87	-165.24	4,251.01	0.00	0.00	0.00	
14,500.00	89.52	359.93	10,489.49	4,348.87	-165.36	4,351.00	0.00	0.00	0.00	
14,600.00	89.52	359.93	10,490.32	4,448.87	-165.48	4,450.98	0.00	0.00	0.00	
14,700.00	89.52	359.93	10,491.16	4,548.86	-165.59	4,550.97	0.00	0.00	0.00	
14,800.00	89.52	359.93	10,491.99	4,648.86	-165.71	4,650.95	0.00	0.00	0.00	
14,900.00	89.52	359.93	10,492.82	4,748.86	-165.83	4,750.94	0.00	0.00	0.00	
15,000.00	89.52	359.93	10,493.66	4,848.85	-165.94	4,850.92	0.00	0.00	0.00	
15,100.00	89.52	359.93	10,494.49	4,948.85	-166.06	4,950.91	0.00	0.00	0.00	
15,200.00	89.52	359.93	10,495.33	5,048.85	-166.18	5,050.89	0.00	0.00	0.00	
15,300.00	89.52	359.93	10,496.16	5,148.84	-166.29	5,150.88	0.00	0.00	0.00	
15,400.00	89.52	359.93	10,497.00	5,248.84	-166.41	5,250.86	0.00	0.00	0.00	
15,500.00	89.52	359.93	10,497.83	5,348.83	-166.53	5,350.85	0.00	0.00	0.00	
15,600.00	89.52	359.93	10,498.67	5,448.83	-166.65	5,450.83	0.00	0.00	0.00	
15,700.00	89.52	359.93	10,499.50	5,548.83	-166.76	5,550.81	0.00	0.00	0.00	
15,800.00	89.52	359.93	10,500.33	5,648.82	-166.88	5,650.80	0.00	0.00	0.00	
15,900.00	89.52	359.93	10,501.17	5,748.82	-167.00	5,750.78	0.00	0.00	0.00	
16,000.00	89.52	359.93	10,502.00	5,848.82	-167.11	5,850.77	0.00	0.00	0.00	
16,100.00	89.52	359.93	10,502.84	5,948.81	-167.23	5,950.75	0.00	0.00	0.00	
16,200.00	89.52	359.93	10,503.67	6,048.81	-167.35	6,050.74	0.00	0.00	0.00	
16,300.00	89.52	359.93	10,504.51	6,148.81	-167.47	6,150.72	0.00	0.00	0.00	
16,400.00	89.52	359.93	10,505.34	6,248.80	-167.58	6,250.71	0.00	0.00	0.00	
16,500.00	89.52	359.93	10,506.17	6,348.80	-167.70	6,350.69	0.00	0.00	0.00	
16,600.00	89.52	359.93	10,507.01	6,448.80	-167.82	6,450.68	0.00	0.00	0.00	
16,700.00	89.52	359.93	10,507.84	6,548.79	-167.93	6,550.66	0.00	0.00	0.00	
16,800.00	89.52	359.93	10,508.68	6,648.79	-168.05	6,650.65	0.00	0.00	0.00	
16,900.00	89.52	359.93	10,509.51	6,748.79	-168.17	6,750.63	0.00	0.00	0.00	
17,000.00	89.52	359.93	10,510.35	6,848.78	-168.29	6,850.62	0.00	0.00	0.00	
17,100.00	89.52	359.93	10,511.18	6,948.78	-168.40	6,950.60	0.00	0.00	0.00	
17,200.00	89.52	359.93	10,512.02	7,048.77	-168.52	7,050.59	0.00	0.00	0.00	
17,300.00	89.52	359.93	10,512.85	7,148.77	-168.64	7,150.57	0.00	0.00	0.00	
17,400.00	89.52	359.93	10,513.68	7,248.77	-168.75	7,250.56	0.00	0.00	0.00	
17,500.00	89.52	359.93	10,514.52	7,348.76	-168.87	7,350.54	0.00	0.00	0.00	
17,600.00	89.52	359.93	10,515.35	7,448.76	-168.99	7,450.53	0.00	0.00	0.00	
17,700.00	89.52	359.93	10,516.19	7,548.76	-169.10	7,550.51	0.00	0.00	0.00	
17,800.00	89.52	359.93	10,517.02	7,648.75	-169.22	7,650.50	0.00	0.00	0.00	
17,900.00	89.52	359.93	10,517.86	7,748.75	-169.34	7,750.48	0.00	0.00	0.00	
18,000.00	89.52	359.93	10,518.69	7,848.75	-169.46	7,850.47	0.00	0.00	0.00	
18,100.00	89.52	359.93	10,519.53	7,948.74	-169.57	7,950.45	0.00	0.00	0.00	
18,200.00	89.52	359.93	10,520.36	8,048.74	-169.69	8,050.44	0.00	0.00	0.00	
18,300.00	89.52	359.93	10,521.19	8,148.74	-169.81	8,150.42	0.00	0.00	0.00	
18,400.00	89.52	359.93	10,522.03	8,248.73	-169.92	8,250.41	0.00	0.00	0.00	
18,500.00	89.52	359.93	10,522.86	8,348.73	-170.04	8,350.39	0.00	0.00	0.00	
18,600.00	89.52	359.93	10,523.70	8,448.72	-170.16	8,450.38	0.00	0.00	0.00	
18,700.00	89.52	359.93	10,524.53	8,548.72	-170.28	8,550.36	0.00	0.00	0.00	
18,800.00	89.52	359.93	10,525.37	8,648.72	-170.39	8,650.35	0.00	0.00	0.00	
18,900.00	89.52	359.93	10,526.20	8,748.71	-170.51	8,750.33	0.00	0.00	0.00	

ConocoPhillips

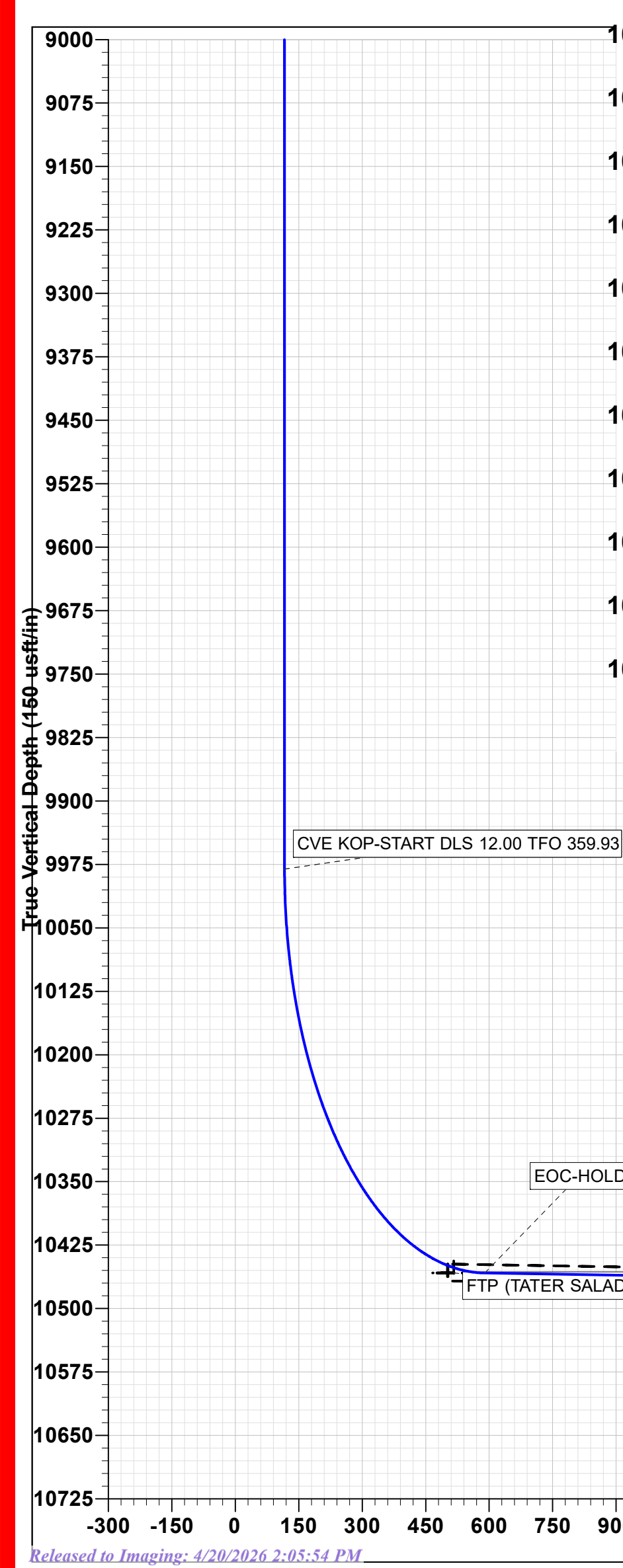
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 903H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.10usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.10usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 903H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)	
19,000.00	89.52	359.93	10,527.04	8,848.71	-170.63	8,850.32	0.00	0.00	0.00	
19,100.00	89.52	359.93	10,527.87	8,948.71	-170.74	8,950.30	0.00	0.00	0.00	
19,200.00	89.52	359.93	10,528.70	9,048.70	-170.86	9,050.29	0.00	0.00	0.00	
19,300.00	89.52	359.93	10,529.54	9,148.70	-170.98	9,150.27	0.00	0.00	0.00	
19,400.00	89.52	359.93	10,530.37	9,248.70	-171.09	9,250.26	0.00	0.00	0.00	
19,500.00	89.52	359.93	10,531.21	9,348.69	-171.21	9,350.24	0.00	0.00	0.00	
19,600.00	89.52	359.93	10,532.04	9,448.69	-171.33	9,450.23	0.00	0.00	0.00	
19,700.00	89.52	359.93	10,532.88	9,548.69	-171.45	9,550.21	0.00	0.00	0.00	
19,800.00	89.52	359.93	10,533.71	9,648.68	-171.56	9,650.20	0.00	0.00	0.00	
19,900.00	89.52	359.93	10,534.54	9,748.68	-171.68	9,750.18	0.00	0.00	0.00	
20,000.00	89.52	359.93	10,535.38	9,848.68	-171.80	9,850.17	0.00	0.00	0.00	
20,100.00	89.52	359.93	10,536.21	9,948.67	-171.91	9,950.15	0.00	0.00	0.00	
20,200.00	89.52	359.93	10,537.05	10,048.67	-172.03	10,050.14	0.00	0.00	0.00	
20,300.00	89.52	359.93	10,537.88	10,148.66	-172.15	10,150.12	0.00	0.00	0.00	
20,400.00	89.52	359.93	10,538.72	10,248.66	-172.27	10,250.11	0.00	0.00	0.00	
20,500.00	89.52	359.93	10,539.55	10,348.66	-172.38	10,350.09	0.00	0.00	0.00	
20,600.00	89.52	359.93	10,540.39	10,448.65	-172.50	10,450.08	0.00	0.00	0.00	
20,685.65	89.52	359.93	10,541.10	10,534.30	-172.60	10,535.71	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
- hit/miss target									
- Shape									
FTP (TATER SALAD FE	0.00	0.00	10,458.10	513.90	-161.30	377,003.30	592,153.70	32° 2' 10.132 N	104° 2' 9.392 W
- plan misses target center by 6.26usft at 10665.61usft MD (10451.94 TVD, 514.94 N, -160.87 E)									
- Circle (radius 50.00)									
LTP (TATER SALAD FEI	0.00	0.00	10,540.02	10,404.30	-172.50	386,893.70	592,142.50	32° 3' 48.013 N	104° 2' 9.205 W
- plan misses target center by 0.05usft at 20555.64usft MD (10540.02 TVD, 10404.30 N, -172.45 E)									
- Point									
PBHL (TATER SALAD F	-0.48	179.93	10,541.10	10,534.30	-172.60	387,023.70	592,142.40	32° 3' 49.300 N	104° 2' 9.202 W
- plan hits target center									
- Rectangle (sides W100.00 H10,035.00 D20.00)									

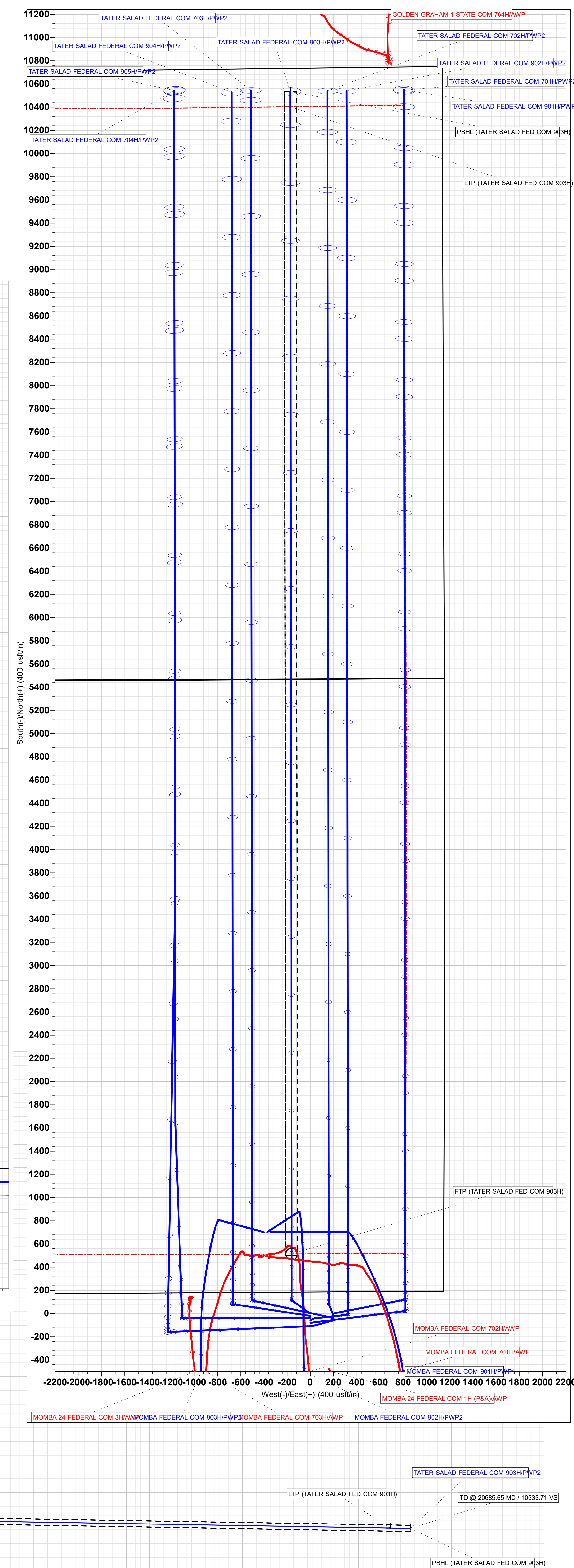
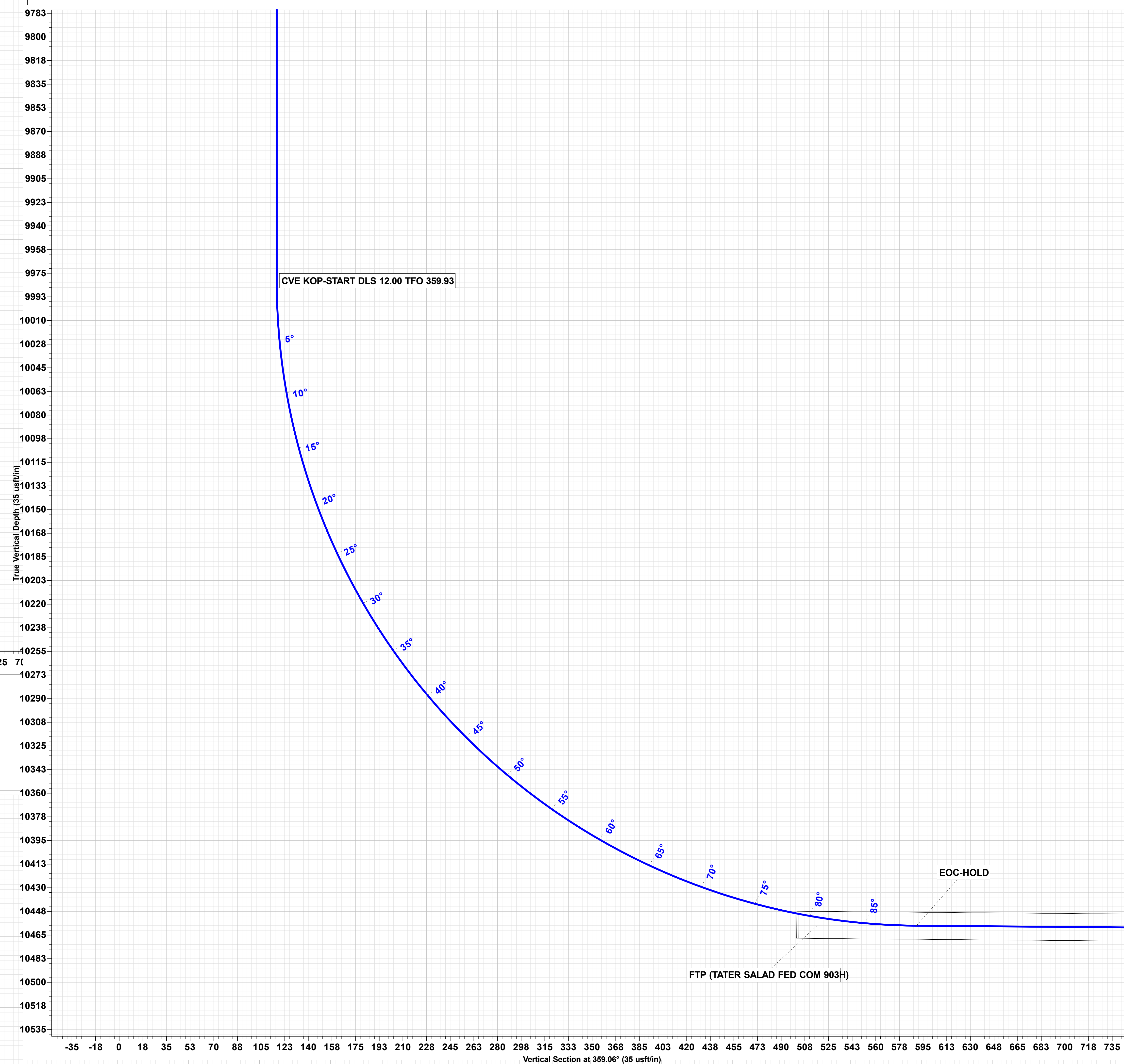
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.00	2,000.00	0.00	0.00	NUDGE @ DLS 2.00	
2,400.08	2,398.78	16.16	-22.73	HOLD TNGT	
3,212.64	3,203.43	81.68	-114.93	END NUDGE	
4,012.81	4,001.00	114.00	-160.40	HOLD TO CVE KOP	
9,992.46	9,980.65	114.00	-160.40	CVE KOP-START DLS 12.00 TFO 359.93	
10,738.48	10,458.10	587.48	-160.95	EOC-HOLD	
20,685.65	10,541.10	10,534.30	-172.60	TD @ 20685.65 MD / 10535.71 VS	



WELL DETAILS: TATER SALAD FEDERAL COM 903H

DESIGN TARGET DETAILS

SECTION DETAILS



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.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No. NMNM12559
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator COG OPERATING LLC		7. If Unit of CA/Agreement, Name and/or No.
3a. Address 600 West Illinois Ave, Midland, TX 79701	3b. Phone No. (include area code) (432) 683-7443	8. Well Name and No. TATER SALAD FEDERAL COM/903H
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 24/T26S/R28E/NMP		9. API Well No. 3001557154
		10. Field and Pool or Exploratory Area PURPLE SAGE/Wolfcamp, Gas
		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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recompleate 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 perfonned 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 detennined 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 @ 9,990' 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.

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	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 / 185 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034858 / LONG: -104.035911 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 330 FSL / 1310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036272 / LONG: -104.036427 (TVD: 10460 feet, MD: 10674 feet)

PPP: NESE / 2639 FSL / 1310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.042635 / LONG: -104.036415 (TVD: 10486 feet, MD: 12699 feet)

BHL: NENE / 200 FNL / 1310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063819 / LONG: -104.036375 (TVD: 10570 feet, MD: 20797 feet)

CONFIDENTIAL

Well Name: TATER SALAD FEDERAL COM	Well Location: T26S / R28E / SEC 24 / NENE / 32.034858 / -104.035911	County or Parish/State: EDDY / NM
Well Number: 903H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM12559	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001557154	Operator: COG OPERATING LLC	

Notice of Intent

Sundry ID: 2894384

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 02/04/2026	Time Sundry Submitted: 01:09
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 @ 9,990' 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.

NOI Attachments

Procedure Description

- COP_Offline_Bradenhead_Intermediate_Documentation_20260204130915.pdf
- TATER_SALAD_FEDERAL_COM_903H_PWP2_AC_RPT_20260204130914.pdf
- Tater_Salad_Federal_Com_903H_Drilling_Program_20260204130913.pdf
- TATER_SALAD_FEDERAL_COM_903H_PWP2_PPLOT_20260204130913.pdf
- TATER_SALAD_FEDERAL_COM_903H_PWP2_DIR_RPT_20260204130913.pdf
- COP_BOP_Break_Testing_Documentation_20260204130911.pdf

Received by OCD: 2/24/2026 8:27:48 AM

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Well Name: TATER SALAD FEDERAL COM	Well Location: T26S / R28E / SEC 24 / NENE / 32.034858 / -104.035911	County or Parish/State: EDDY / NM
Well Number: 903H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM12559	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001557154	Operator: COG OPERATING LLC	

Conditions of Approval

Additional

SEC24_T26S_R28E_TATER_SALAD_FED_COM_Eddy__CONOCOPHILLIPS_COMPANY_46064_JS_20260211150117.pdf

TATER_SALAD_FED_COM_903H_COAs_20260211150117.pdf

SEC24_T26S_R28E_TATER_SALAD_FED_COM_Eddy__CONOCOPHILLIPS_COMPANY_46064_JS_B_20260211150117.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 01:09 PM

Name: COG OPERATING LLC

Title: Regulatory Analyst

Street Address: 925 N ELDRIDGE PARKWAY

City: HOUSTONState: TX

Phone: (281) 293-1000

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

Field

Representative Name: Robyn Russell

Street Address: 600 W. Illinois Ave.

City: MidlandState: TXZip: 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 903H

1. Geologic Formations

TVD of target	10,458' EOL	Pilot hole depth	NA
MD at TD:	20,686'	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	3519	Oil/Gas	
Brushy Canyon	4846	Oil/Gas	
Bone Spring	6372	Oil/Gas	
1st Bone Spring Sand	7268	Oil/Gas	
2nd Bone Spring Sand	7976	Oil/Gas	
3rd Bone Spring Sand	9122	Oil/Gas	
Wolfcamp	9475	Oil/Gas	
Wolfcamp A	9585	Oil/Gas	
Wolfcamp B	9929	Oil/Gas	
Wolfcamp C	10461	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	1.16	3.26	3.29
8.750"	7500	9900	7.625"	29.7	P110-ICY	W513	1.43	1.76	3.63	2.18
6.75"	0	9700	5.5"	23	P110-CY	BTC	2.14	2.49	3.27	3.27
6.75"	9700	20,686	5.5"	23	P110-CY	W441	1.98	2.31	3.03	2.75
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	1.48	8.91	9.21
8.75"	2370	9900	7.625"	29.7	P110-ICY	W513	1.43	1.76	3.63	2.18
6.75"	0	9700	5.5"	23	P110-CY	BTC	2.14	2.49	3.27	3.27
6.75"	9700	20,686	5.5"	23	P110-CY	W441	1.98	2.31	3.03	2.75
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.

February 4, 2026

1

ConocoPhillips Company - TATER SALAD FED COM 903H

	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?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary?	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

ConocoPhillips Company - TATER SALAD FED COM 903H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	220	12.8	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	730	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	610	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 st Intermediate	0'	50%
Production	9,400'	20% OH in Lateral (KOP to EOL)

3b. Contingency Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	270	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Int. #1	300	12.8	1.75	9.21	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	390	14.8	1.35	6.6	8	Tail: Class C + 2% CaCl ₂
Inter. #2 (Liner)	200	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	500	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 st Intermediate	0'	50%
2 nd Intermediate	2,370'	20%
Production	9,650'	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 903H

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 skids (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	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	10M	5M Annular	x	5000psi
			Blind Ram	x	10000psi
			Pipe Ram	x	
			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 903H

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 903H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7345 psi at 10458' TVD
Abnormal Temperature	NO 160 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	H ₂ S 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 903H
LOCATION:	Section 24, T.26 S., R.28 E., NMP
COUNTY:	Eddy County, New Mexico

COA

H2S	☒ Yes	☐ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☐ Low	☒ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Wellhead Variance	☐ Diverter		
Other	☐ 4 String	☐ Capitan Reef	☐ WIPP
Other	☒ Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	☒ Contingency Cement Squeeze	☒ EchoMeter	☐ Primary Cement Squeeze
Special Requirements	☐ Water Disposal	☒ COM	☐ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements Variance	☒ Break Testing	☒ Offline Cementing	☒ 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
(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 2nd 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 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational

- at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. 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 557061

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 557061
	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