

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM12559	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No. TATER SALAD FEDERAL COM/704H	
9. API Well No.	
10. Field and Pool or Exploratory Area PURPLE SAGE/Wolfcamp, Gas	11. Country or Parish, State EDDY/NM

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	
2. Name of Operator COG OPERATING LLC	
3a. Address 600 West Illinois Ave, Midland, TX 79701	3b. Phone No. (include area code) (432) 683-7443
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 24/T26S/R28E/NMP	

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.

API# 30-015-57313
APD ID: 10400090877

Summary of changes:
No changes in targets
MD at TD changed to 20,468'
TVD of target changed to 9,763'
7-5/8" casing shoe @ 9,400' MD
Contingency cement program to include bradenhead cement job if severe losses are encountered
Request surface and intermediate cement jobs to be performed offline
Continued on page 3 additional information

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

Additional Remarks

Request variance to perform BOPE break testing on intermediate skids

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

Location of Well

0. SHL: NENE / 245 FNL / 950 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034695 / LONG: -104.035265 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 330 FSL / 2310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036263 / LONG: -104.039654 (TVD: 9748 feet, MD: 10417 feet)

PPP: SWNE / 1321 FNL / 2310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.046265 / LONG: -104.039636 (TVD: 9774 feet, MD: 13711 feet)

BHL: NWNE / 200 FNL / 2310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063793 / LONG: -104.039603 (TVD: 9760 feet, MD: 20464 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)

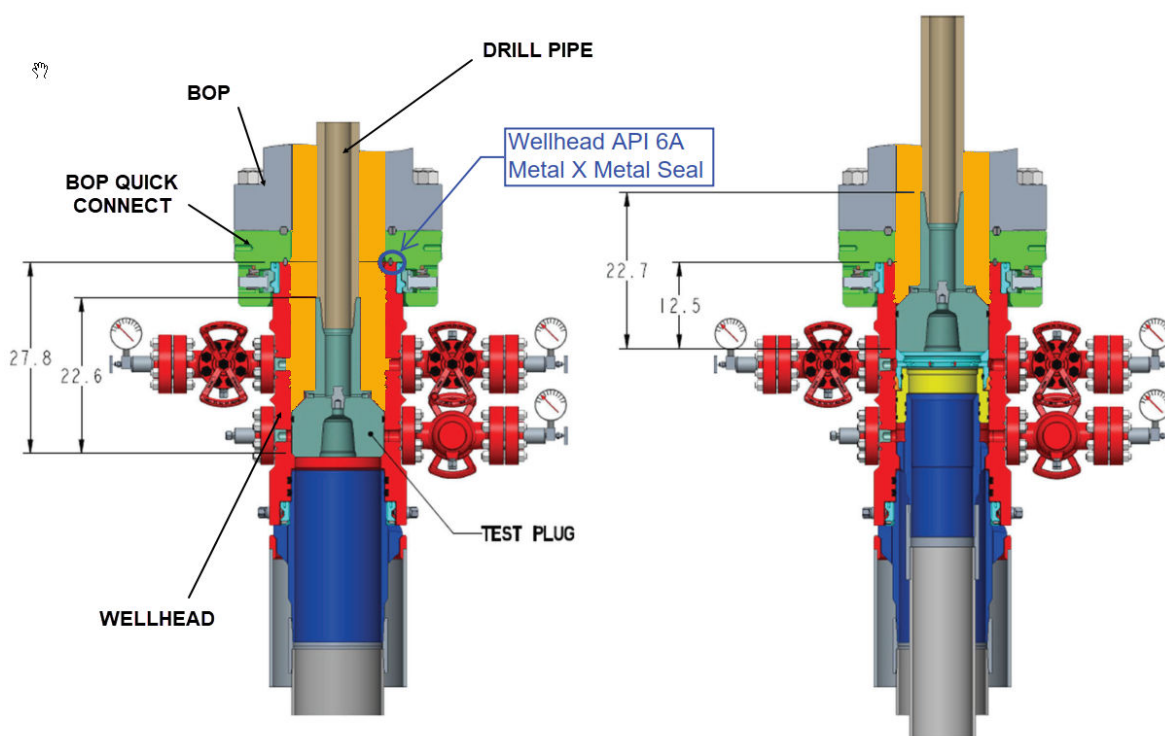


Figure 1: Test plug installed (The orange sections above indicate the areas exposed to the pressure test)

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

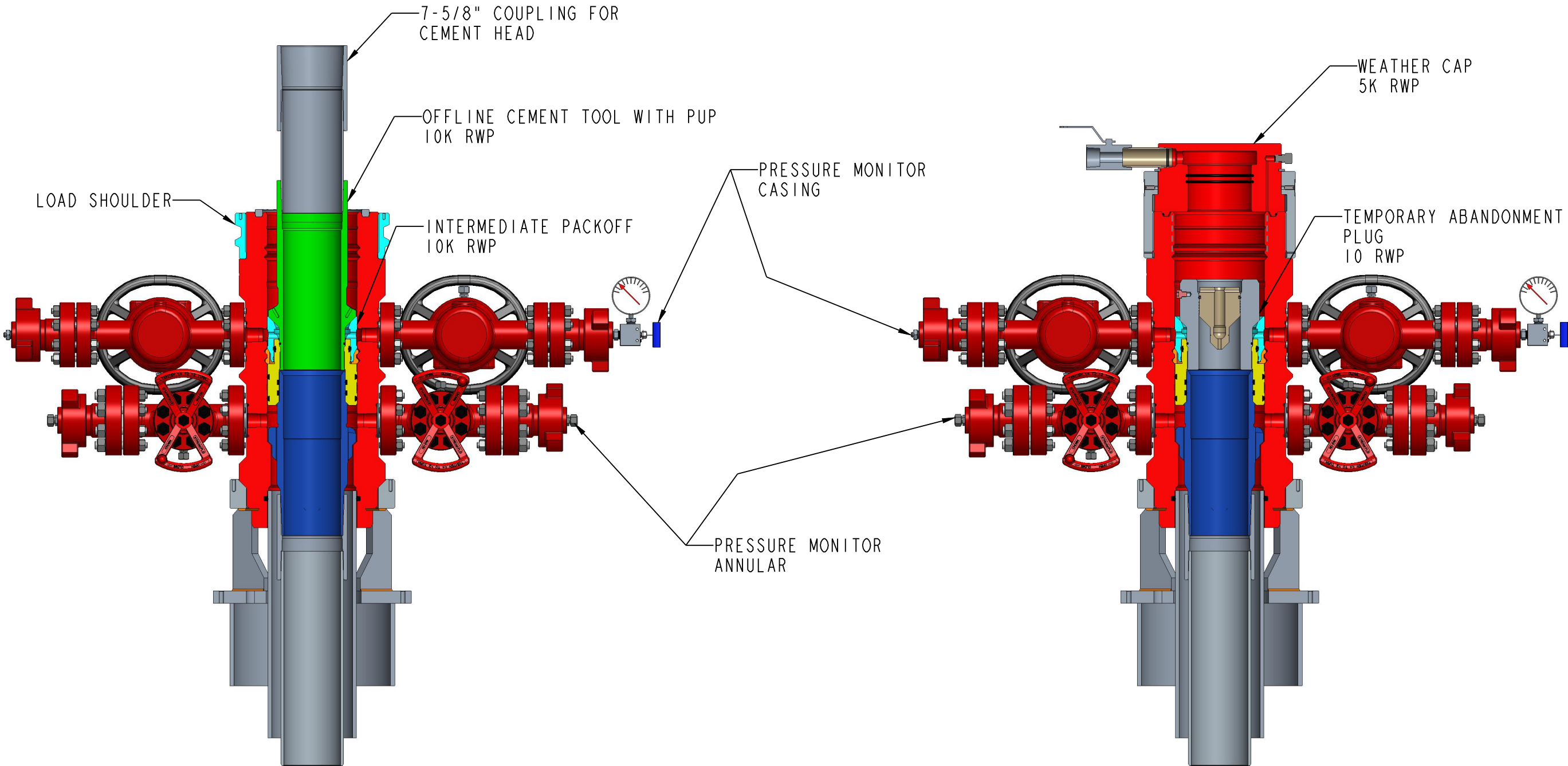
1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through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

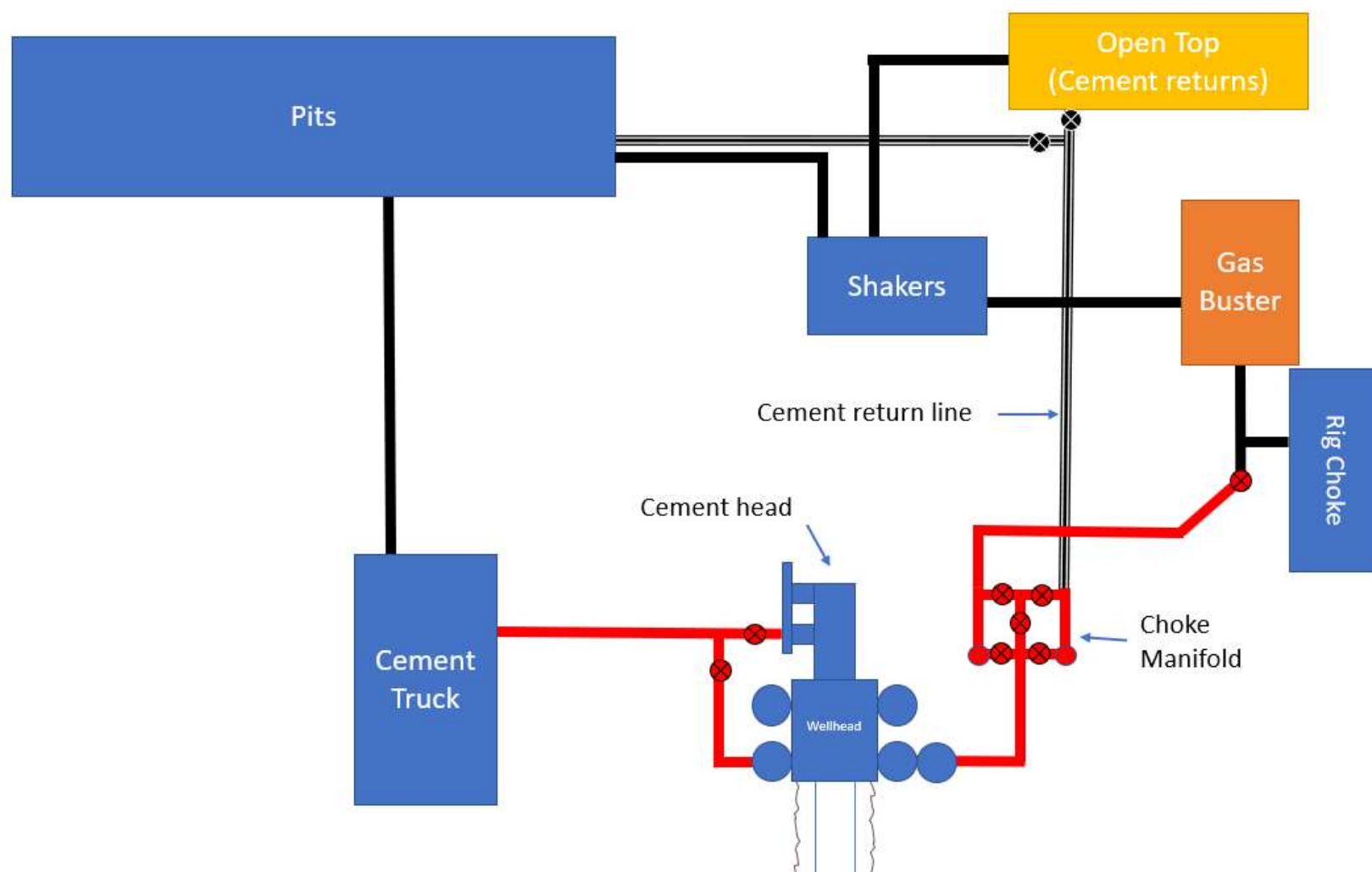
1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - 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.
		CHK.				WH - 24621
		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

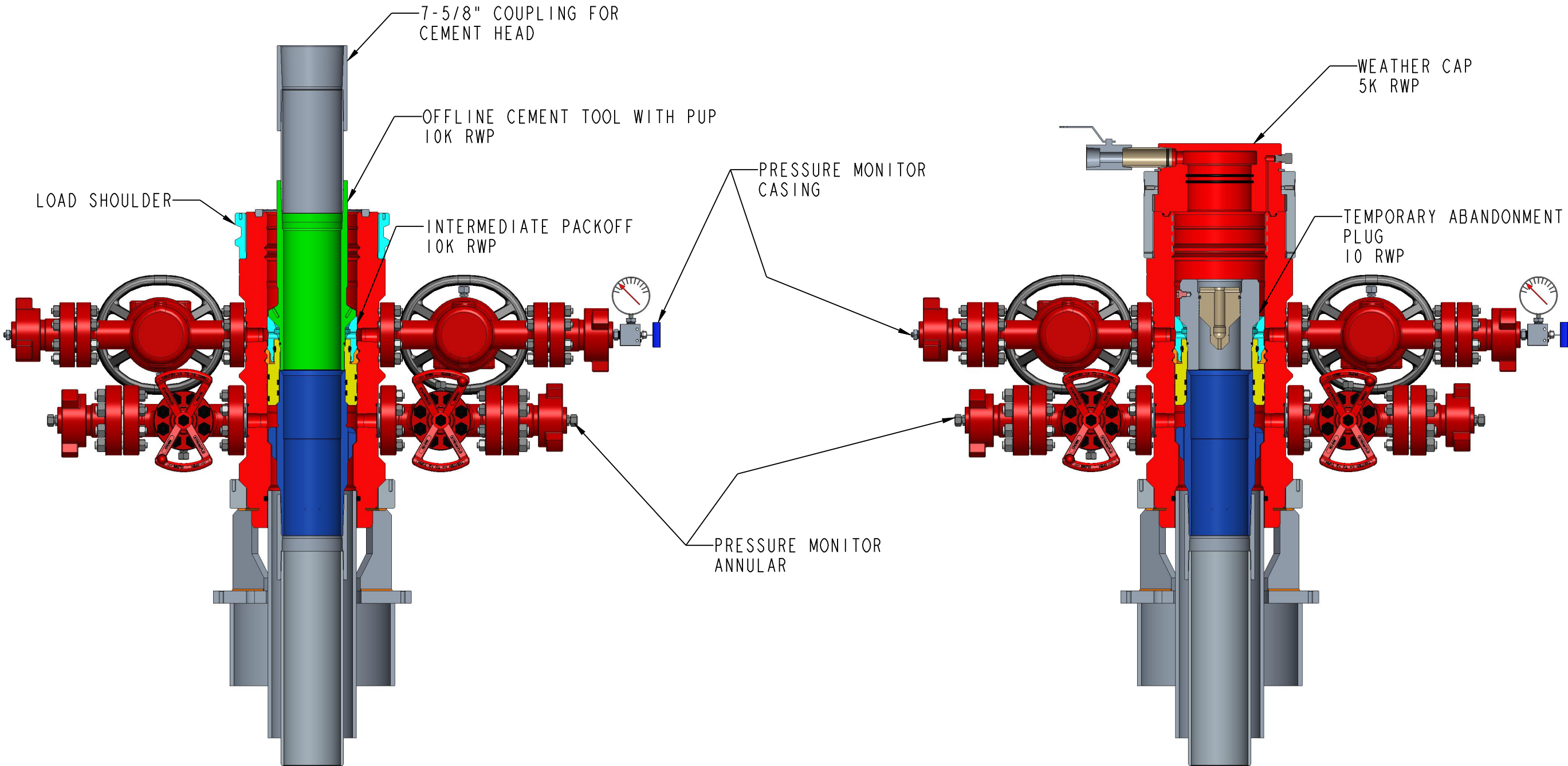
1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through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

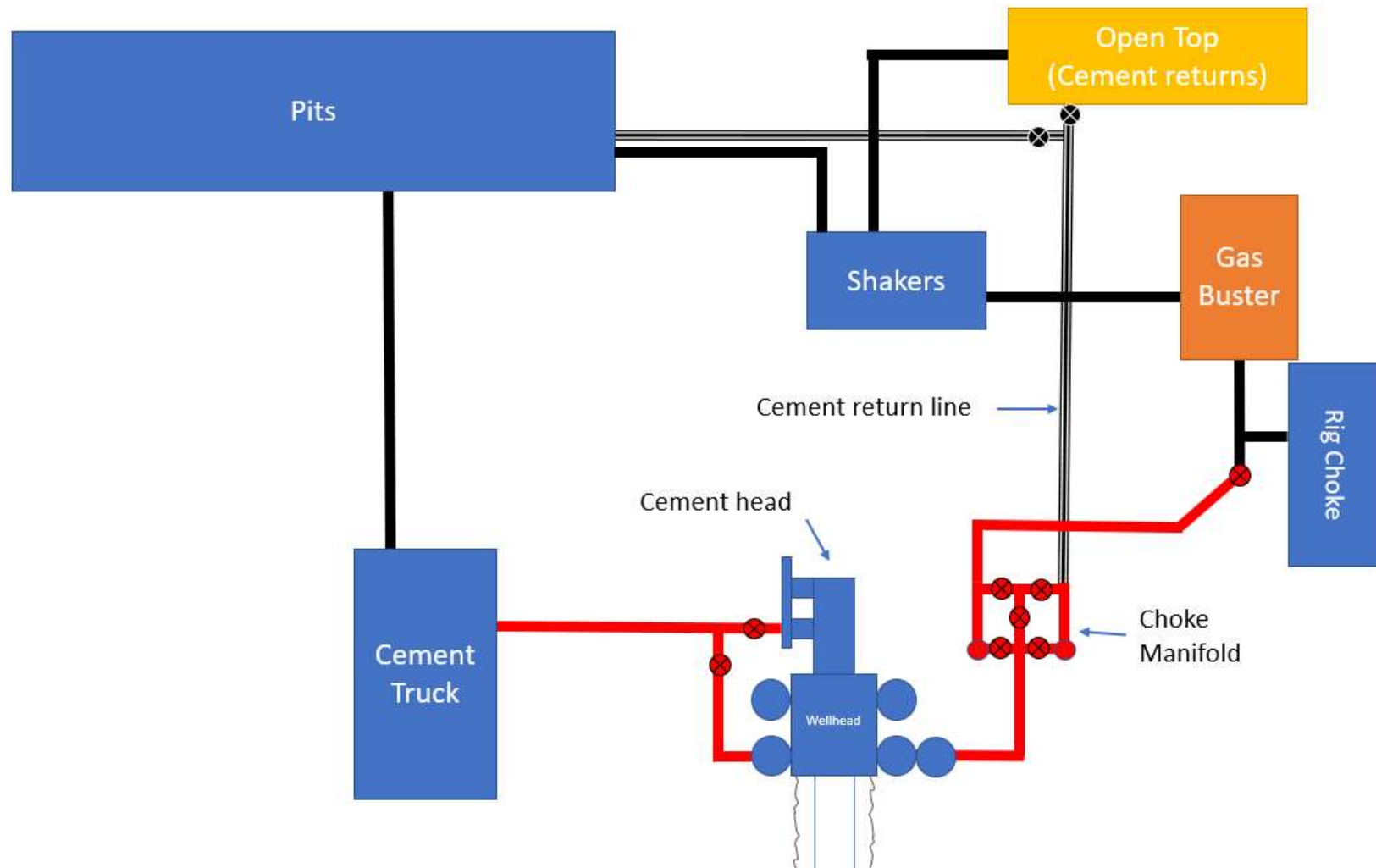
1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - 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 704H

OWB

PWP2

Anticollision Report

31 January, 2026

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
TATER SALAD & MOMBA FEDERAL						
TATER SALAD FEDERAL COM 904H - OWB - PWP2	3,100.00	3,060.73	115.87	100.72	7.649 SF	
TATER SALAD FEDERAL COM 905H - OWB - PWP2	3,414.00	3,375.58	81.53	65.14	4.976 CC	
TATER SALAD FEDERAL COM 905H - OWB - PWP2	3,600.00	3,561.39	81.96	64.81	4.779 ES	
TATER SALAD FEDERAL COM 905H - OWB - PWP2	9,840.37	9,734.51	123.47	75.68	2.584 Normal Operations, SF	

Offset Design:		TATER SALAD & MOMBA FEDERAL - COTTONMOUTH 13 FEDERAL COM 1H - OWB - AWP											Offset Site Error:		0.00 usft	
Survey Program:		100-Standard Keeper 104, 6470-MWD - OWSG R1											Offset Well Error:		3.00 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				
6,600.00	6,395.88	7,975.56	7,027.58	26.91	20.67	4.42	-83.12	-2,060.67	930.43	896.70	33.73	27.582				
6,700.00	6,494.37	7,978.35	7,027.68	27.37	20.70	3.95	-85.91	-2,060.64	853.03	817.31	35.72	23.880				
6,800.00	6,593.40	7,981.16	7,027.79	27.82	20.74	3.55	-88.71	-2,060.61	783.32	745.21	38.12	20.550				
6,900.00	6,692.85	7,997.00	7,028.39	28.24	20.94	1.97	-104.54	-2,060.55	723.81	682.88	40.93	17.686				
7,000.00	6,792.60	7,997.00	7,028.39	28.62	20.94	1.94	-104.54	-2,060.55	676.81	632.94	43.87	15.427				
7,100.00	6,892.54	7,997.00	7,028.39	28.94	20.94	1.92	-104.54	-2,060.55	645.44	598.76	46.68	13.827				
7,148.46	6,941.00	7,997.00	7,028.39	29.00	20.94	-90.41	-104.54	-2,060.55	636.60	588.81	47.79	13.322				
7,200.00	6,992.54	7,997.00	7,028.39	29.00	20.94	-90.41	-104.54	-2,060.55	631.59	582.87	48.71	12.965				
7,235.85	7,028.39	7,997.00	7,028.39	29.01	20.94	-90.41	-104.54	-2,060.55	630.57	581.33	49.24	12.807 CC, ES				
7,300.00	7,092.54	7,997.00	7,028.39	29.03	20.94	-90.41	-104.54	-2,060.55	633.82	583.94	49.89	12.705 SF				
7,400.00	7,192.54	7,997.00	7,028.39	29.05	20.94	-90.41	-104.54	-2,060.55	651.58	601.42	50.17	12.989				
7,500.00	7,292.54	7,997.00	7,028.39	29.08	20.94	-90.41	-104.54	-2,060.55	683.66	633.99	49.67	13.763				
7,600.00	7,392.54	7,997.00	7,028.39	29.10	20.94	-90.41	-104.54	-2,060.55	728.16	679.52	48.65	14.968				
7,700.00	7,492.54	7,997.00	7,028.39	29.13	20.94	-90.41	-104.54	-2,060.55	782.98	735.64	47.34	16.539				
7,800.00	7,592.54	8,009.26	7,028.84	29.15	21.10	-91.53	-116.80	-2,060.59	845.98	799.98	46.01	18.389				
7,900.00	7,692.54	8,011.89	7,028.93	29.18	21.14	-91.76	-119.42	-2,060.61	915.65	870.99	44.66	20.502				
8,000.00	7,792.54	8,014.41	7,029.01	29.20	21.17	-91.99	-121.94	-2,060.62	990.52	947.09	43.43	22.810				

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 - DELAWARE RANCH 12 W1NC FED COM 2H - OWB - AWP												Offset Site Error: 0.00 usft	
Survey Program: 103-r-5 MWD				Rule Assigned:								Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		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)			
15,000.00	9,784.86	9,505.00	9,356.17	53.44	38.63	-59.32	5,618.72	-2,093.75	973.37	898.97	74.40	13.083	
15,100.00	9,785.32	9,540.41	9,383.34	54.16	38.59	-60.99	5,641.34	-2,095.71	926.77	849.20	77.57	11.948	
15,200.00	9,785.78	9,586.41	9,417.43	54.87	38.55	-63.15	5,672.13	-2,098.00	885.75	804.95	80.80	10.963	
15,300.00	9,786.24	9,637.04	9,453.21	55.60	38.53	-65.48	5,707.87	-2,100.26	850.63	766.64	83.99	10.127	
15,400.00	9,786.70	9,694.00	9,490.71	56.32	38.51	-67.99	5,750.68	-2,102.30	821.60	734.57	87.03	9.440	
15,500.00	9,787.16	9,768.16	9,534.89	57.05	38.54	-71.02	5,810.20	-2,103.50	797.96	708.19	89.77	8.889	
15,600.00	9,787.62	9,837.00	9,571.01	57.78	38.60	-73.53	5,868.75	-2,102.14	777.78	685.57	92.21	8.435	
15,700.00	9,788.08	9,908.13	9,600.63	58.52	38.71	-75.61	5,933.33	-2,100.09	762.68	668.39	94.28	8.089	
15,800.00	9,788.54	9,992.62	9,625.89	59.25	38.91	-77.38	6,013.79	-2,096.11	750.67	654.72	95.95	7.824	
15,900.00	9,789.00	10,066.63	9,639.38	60.00	39.14	-78.32	6,086.47	-2,092.70	742.08	644.66	97.42	7.617	
16,000.00	9,789.46	10,147.00	9,650.05	60.74	39.43	-79.06	6,166.05	-2,089.90	736.06	637.32	98.73	7.455	
16,100.00	9,789.92	10,231.51	9,655.49	61.49	39.80	-79.41	6,250.36	-2,087.76	732.39	632.47	99.92	7.330	
16,200.00	9,790.38	10,334.69	9,657.84	62.24	40.32	-79.53	6,353.48	-2,085.81	730.09	629.06	101.03	7.227	
16,300.00	9,790.84	10,423.08	9,657.01	62.99	40.81	-79.41	6,441.84	-2,083.92	728.13	626.01	102.13	7.130	
16,400.00	9,791.30	10,527.83	9,655.56	63.75	41.46	-79.23	6,546.56	-2,082.24	726.78	623.52	103.26	7.038	
16,500.00	9,791.76	10,629.01	9,654.21	64.51	42.13	-79.05	6,647.71	-2,079.95	724.79	620.35	104.44	6.940	
16,600.00	9,792.22	10,715.00	9,652.68	65.27	42.75	-78.89	6,733.68	-2,079.04	724.03	618.42	105.61	6.856	
16,604.45	9,792.24	10,715.00	9,652.68	65.30	42.75	-78.89	6,733.68	-2,079.04	724.04	618.40	105.64	6.854	
16,700.00	9,792.68	10,804.42	9,651.60	66.03	43.42	-78.78	6,823.09	-2,079.75	724.98	618.16	106.81	6.787	
16,800.00	9,793.14	10,909.69	9,651.28	66.79	44.25	-78.73	6,928.35	-2,080.88	726.07	617.89	108.18	6.711	
16,900.00	9,793.60	11,004.18	9,650.90	67.56	45.04	-78.69	7,022.83	-2,081.94	727.22	617.71	109.51	6.641	
17,000.00	9,794.06	11,111.24	9,650.09	68.33	45.97	-78.60	7,129.89	-2,082.90	728.23	617.25	110.98	6.562	
17,100.00	9,794.52	11,220.72	9,650.72	69.10	46.96	-78.61	7,239.36	-2,083.01	728.19	615.65	112.54	6.471	
17,200.00	9,794.97	11,334.63	9,651.74	69.88	48.04	-78.62	7,353.25	-2,081.19	726.43	612.26	114.17	6.363	
17,300.00	9,795.43	11,435.68	9,652.46	70.65	49.04	-78.59	7,454.25	-2,078.18	723.34	607.62	115.72	6.251	
17,400.00	9,795.89	11,532.57	9,653.15	71.43	50.02	-78.57	7,551.12	-2,075.82	720.79	603.50	117.29	6.145	
17,500.00	9,796.35	11,630.50	9,653.92	72.21	51.04	-78.56	7,649.02	-2,073.70	718.48	599.59	118.89	6.043	
17,599.95	9,796.81	11,715.09	9,654.56	72.99	51.95	-78.56	7,733.59	-2,072.63	717.12	596.74	120.39	5.957	
17,600.00	9,796.81	11,715.12	9,654.56	72.99	51.95	-78.56	7,733.63	-2,072.63	717.12	596.74	120.39	5.957	
17,700.00	9,797.27	11,805.21	9,655.18	73.77	52.93	-78.59	7,823.71	-2,073.85	718.25	596.30	121.95	5.890	
17,800.00	9,797.73	11,906.64	9,656.04	74.56	54.05	-78.64	7,925.12	-2,075.32	719.47	595.77	123.70	5.816	
17,900.00	9,798.19	12,002.48	9,656.25	75.34	55.14	-78.65	8,020.95	-2,076.71	720.83	595.45	125.37	5.749	
18,000.00	9,798.65	12,117.25	9,656.39	76.13	56.47	-78.64	8,135.70	-2,078.28	722.20	594.83	127.38	5.670	
18,100.00	9,799.11	12,223.23	9,655.67	76.92	57.73	-78.52	8,241.68	-2,077.13	721.24	592.04	129.21	5.582	
18,150.59	9,799.35	12,265.79	9,655.35	77.32	58.24	-78.48	8,284.23	-2,076.79	720.91	590.93	129.99	5.546	
18,200.00	9,799.57	12,305.82	9,655.48	77.71	58.73	-78.48	8,324.26	-2,077.09	721.24	590.50	130.73	5.517	
18,300.00	9,800.03	12,395.20	9,656.56	78.50	59.81	-78.56	8,413.61	-2,079.33	723.41	591.00	132.41	5.463	
18,400.00	9,800.49	12,512.60	9,657.47	79.30	61.26	-78.63	8,530.97	-2,081.92	725.47	590.82	134.65	5.388	
18,500.00	9,800.95	12,607.81	9,658.04	80.09	62.46	-78.65	8,626.17	-2,082.67	726.11	589.65	136.46	5.321	
18,600.00	9,801.41	12,734.22	9,658.91	80.89	64.08	-78.66	8,752.57	-2,081.80	725.25	586.43	138.82	5.224	
18,700.00	9,801.87	12,839.00	9,659.71	81.68	65.44	-78.63	8,857.29	-2,078.28	721.76	580.95	140.81	5.126	
18,800.00	9,802.33	12,938.91	9,660.66	82.48	66.75	-78.62	8,957.16	-2,075.76	719.09	576.32	142.76	5.037	
18,900.00	9,802.79	13,033.58	9,661.02	83.28	68.01	-78.56	9,051.76	-2,072.18	715.32	570.69	144.63	4.946	
18,971.03	9,803.12	13,085.00	9,660.76	83.85	68.70	-78.51	9,103.17	-2,071.47	714.44	568.77	145.67	4.904 CC	
19,000.00	9,803.25	13,112.31	9,660.60	84.08	69.06	-78.48	9,130.49	-2,071.51	714.51	568.31	146.20	4.887	
19,100.00	9,803.71	13,209.34	9,661.22	84.88	70.37	-78.51	9,227.50	-2,072.68	715.53	567.37	148.16	4.829	
19,200.00	9,804.17	13,316.13	9,662.31	85.69	71.81	-78.56	9,334.29	-2,072.88	715.46	565.10	150.36	4.758	
19,208.56	9,804.21	13,324.03	9,662.33	85.76	71.92	-78.56	9,342.19	-2,072.89	715.46	564.94	150.52	4.753	
19,300.00	9,804.63	13,415.93	9,661.75	86.49	73.18	-78.48	9,434.08	-2,073.02	715.68	563.34	152.35	4.698	
19,367.24	9,804.94	13,482.73	9,661.26	87.03	74.10	-78.41	9,500.88	-2,072.69	715.44	561.77	153.68	4.655	
19,400.00	9,805.09	13,508.85	9,661.44	87.30	74.46	-78.42	9,526.99	-2,072.86	715.60	561.39	154.21	4.640	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 - DELAWARE RANCH 12 W1NC FED COM 2H - OWB - AWP												Offset Site Error:	0.00 usft
Survey Program: 103-r.5 MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
19,500.00	9,805.55	13,603.37	9,664.13	88.10	75.77	-78.64	9,621.44	-2,075.34	717.55	561.27	156.28	4.592	
19,600.00	9,806.01	13,710.21	9,665.80	88.91	77.26	-78.75	9,728.26	-2,076.68	718.43	559.83	158.59	4.530	
19,700.00	9,806.47	13,817.34	9,666.97	89.72	78.76	-78.81	9,835.38	-2,077.41	718.87	557.98	160.89	4.468	
19,800.00	9,806.93	13,923.95	9,668.16	90.52	80.27	-78.86	9,941.99	-2,077.01	718.26	555.08	163.17	4.402	
19,900.00	9,807.39	14,030.31	9,669.74	91.33	81.79	-78.91	10,048.32	-2,075.29	716.34	550.88	165.46	4.329	
20,000.00	9,807.85	14,119.62	9,672.57	92.14	83.07	-79.09	10,137.58	-2,074.43	714.80	547.32	167.48	4.268	
20,020.27	9,807.94	14,135.91	9,673.10	92.31	83.30	-79.13	10,153.85	-2,074.49	714.74	546.89	167.85	4.258	
20,100.00	9,808.31	14,205.55	9,675.01	92.96	84.30	-79.27	10,223.46	-2,075.62	715.54	546.15	169.40	4.224	
20,200.00	9,808.77	14,310.02	9,678.45	93.77	85.81	-79.52	10,327.86	-2,077.20	716.38	544.54	171.83	4.169	
20,300.00	9,809.23	14,402.19	9,683.55	94.58	87.14	-79.92	10,419.85	-2,079.40	717.71	543.68	174.03	4.124 ES, SF	
20,400.00	9,809.69	14,456.00	9,687.04	95.39	87.92	-80.19	10,473.53	-2,081.08	721.11	546.39	174.72	4.127	
20,467.46	9,810.00	14,456.00	9,687.04	95.94	87.92	-80.19	10,473.53	-2,081.08	729.83	557.15	172.67	4.227	
20,468.32	9,810.00	14,456.00	9,687.04	95.95	87.92	-80.19	10,473.53	-2,081.08	729.98	557.34	172.63	4.228	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 - DELAWARE RANCH 13 24 W1CN FEDERAL COM 1H - OWB - AWP													Offset Site Error:	0.00 usft
Survey Program:		198-MWD - OWSG R1							Rule Assigned:				Offset Well Error:	3.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
9,100.00	8,892.54	14,955.79	9,594.71	29.50	97.93	-91.55	-118.57	-2,114.60	980.85	871.04	109.82	8.932		
9,200.00	8,892.54	14,953.13	9,594.79	29.53	97.89	-91.33	-115.90	-2,114.60	911.94	796.80	115.14	7.920		
9,300.00	9,092.54	14,950.35	9,594.87	29.56	97.85	-91.10	-113.13	-2,114.59	849.22	728.32	120.90	7.024		
9,400.00	9,192.54	14,947.45	9,594.96	29.59	97.80	-90.86	-110.23	-2,114.58	794.17	667.30	126.86	6.260		
9,493.01	9,285.55	14,944.65	9,595.04	29.61	97.76	-90.62	-107.43	-2,114.58	751.32	619.07	132.25	5.681		
9,500.00	9,292.54	14,944.38	9,595.05	29.61	97.76	-91.97	-107.16	-2,114.57	748.47	615.92	132.55	5.647		
9,525.00	9,317.51	14,942.58	9,595.11	29.62	97.73	-93.09	-105.36	-2,114.57	738.76	604.88	133.88	5.518		
9,550.00	9,342.40	14,939.45	9,595.21	29.62	97.68	-93.97	-102.23	-2,114.56	729.82	594.71	135.12	5.401		
9,575.00	9,367.13	14,934.97	9,595.35	29.62	97.61	-94.63	-97.75	-2,114.54	721.71	585.46	136.25	5.297		
9,600.00	9,391.64	14,929.13	9,595.55	29.62	97.52	-95.07	-91.92	-2,114.52	714.45	577.18	137.27	5.205		
9,625.00	9,415.86	14,921.94	9,595.80	29.62	97.41	-95.29	-84.73	-2,114.48	708.05	569.89	138.16	5.125		
9,650.00	9,439.72	14,913.38	9,596.11	29.62	97.27	-95.30	-76.17	-2,114.43	702.51	563.60	138.91	5.057		
9,675.00	9,463.16	14,903.46	9,596.50	29.63	97.12	-95.11	-66.27	-2,114.37	697.82	558.30	139.52	5.002		
9,700.00	9,486.11	14,892.73	9,596.93	29.63	96.95	-94.77	-55.54	-2,114.29	693.97	553.97	140.00	4.957		
9,725.00	9,508.52	14,881.13	9,597.39	29.63	96.77	-94.29	-43.95	-2,114.21	690.92	550.58	140.34	4.923		
9,750.00	9,530.31	14,869.00	9,597.85	29.63	96.58	-93.70	-31.83	-2,114.14	688.64	548.09	140.56	4.899		
9,775.00	9,551.43	14,855.43	9,598.35	29.63	96.37	-92.95	-18.27	-2,114.08	687.10	546.46	140.64	4.886		
9,800.00	9,571.82	14,841.34	9,598.90	29.64	96.15	-92.12	-4.19	-2,114.04	686.24	545.64	140.60	4.881 SF		
9,822.76	9,589.70	14,827.55	9,599.44	29.64	95.94	-91.28	9.59	-2,114.02	686.00	545.53	140.46	4.884 CC, ES		
9,825.00	9,591.42	14,826.14	9,599.49	29.64	95.92	-91.19	10.99	-2,114.02	686.00	545.55	140.45	4.884		
9,850.00	9,610.19	14,809.97	9,600.13	29.65	95.66	-90.17	27.16	-2,114.02	686.31	546.12	140.19	4.896		
9,875.00	9,628.07	14,792.93	9,600.75	29.65	95.40	-89.10	44.19	-2,114.04	687.12	547.27	139.84	4.913		
9,900.00	9,645.01	14,775.36	9,601.20	29.66	95.13	-87.99	61.74	-2,114.09	688.34	548.91	139.43	4.937		
9,925.00	9,660.96	14,758.58	9,601.46	29.66	94.86	-86.92	78.52	-2,114.17	689.94	550.97	138.97	4.965		
9,950.00	9,675.89	14,743.00	9,601.53	29.67	94.62	-85.92	94.10	-2,114.30	691.89	553.41	138.48	4.996		
9,975.00	9,689.74	14,723.07	9,601.40	29.68	94.31	-84.73	114.03	-2,114.51	694.12	556.22	137.89	5.034		
10,000.00	9,702.49	14,703.99	9,601.04	29.69	94.02	-83.62	133.11	-2,114.76	696.55	559.26	137.29	5.074		
10,025.00	9,714.10	14,684.70	9,600.57	29.70	93.72	-82.55	152.39	-2,115.03	699.12	562.46	136.67	5.116		
10,050.00	9,724.53	14,659.70	9,599.92	29.72	93.33	-81.35	177.38	-2,115.41	701.72	565.77	135.95	5.161		
10,075.00	9,733.75	14,633.91	9,599.44	29.73	92.93	-80.26	203.16	-2,115.73	704.18	568.95	135.24	5.207		
10,100.00	9,741.75	14,607.45	9,599.14	29.75	92.52	-79.30	229.62	-2,115.98	706.44	571.91	134.53	5.251		
10,125.00	9,748.50	14,581.74	9,599.05	29.76	92.12	-78.51	255.33	-2,116.17	708.43	574.58	133.85	5.293		
10,150.00	9,753.98	14,559.82	9,598.99	29.78	91.78	-77.93	277.25	-2,116.37	710.25	576.97	133.27	5.329		
10,175.00	9,758.17	14,537.69	9,598.90	29.80	91.44	-77.44	299.37	-2,116.63	711.90	579.18	132.72	5.364		
10,200.00	9,761.07	14,515.40	9,598.77	29.83	91.09	-77.07	321.66	-2,116.97	713.38	581.19	132.20	5.396		
10,225.00	9,762.67	14,495.00	9,598.63	29.85	90.77	-76.81	342.06	-2,117.35	714.67	582.93	131.73	5.425		
10,240.81	9,763.00	14,478.04	9,598.48	29.87	90.51	-76.70	359.01	-2,117.70	715.35	583.96	131.40	5.444		
10,300.00	9,763.27	14,422.33	9,597.85	29.94	89.65	-76.68	414.71	-2,118.98	717.90	587.62	130.28	5.510		
10,400.00	9,763.73	14,318.52	9,596.78	30.08	88.05	-76.64	518.47	-2,121.52	722.33	594.05	128.29	5.631		
10,500.00	9,764.19	14,195.94	9,597.12	30.24	86.17	-76.68	641.04	-2,122.54	724.91	598.90	126.01	5.753		
10,600.00	9,764.65	14,081.00	9,597.86	30.43	84.42	-76.68	755.95	-2,119.96	724.32	600.48	123.84	5.849		
10,700.00	9,765.11	13,986.93	9,599.69	30.64	83.00	-76.78	849.97	-2,117.72	723.37	601.21	122.16	5.922		
10,722.69	9,765.21	13,966.86	9,599.98	30.69	82.70	-76.79	870.04	-2,117.38	723.33	601.52	121.80	5.938		
10,800.00	9,765.57	13,892.18	9,600.57	30.87	81.57	-76.82	944.72	-2,116.43	723.62	603.16	120.46	6.007		
10,900.00	9,766.03	13,801.07	9,601.16	31.13	80.20	-76.84	1,035.82	-2,115.37	724.18	605.34	118.85	6.093		
11,000.00	9,766.49	13,713.57	9,600.81	31.40	78.88	-76.83	1,123.31	-2,116.25	727.01	609.72	117.29	6.198		
11,100.00	9,766.94	13,604.79	9,601.14	31.70	77.25	-76.87	1,232.08	-2,117.55	729.92	614.52	115.41	6.325		
11,200.00	9,767.40	13,503.04	9,602.66	32.02	75.73	-76.99	1,333.82	-2,117.73	731.56	617.86	113.69	6.434		
11,300.00	9,767.86	13,390.25	9,603.66	32.35	74.05	-77.06	1,446.60	-2,117.47	732.98	621.20	111.79	6.557		
11,400.00	9,768.32	13,301.88	9,605.43	32.70	72.75	-77.17	1,534.94	-2,116.82	733.66	623.26	110.40	6.646		
11,500.00	9,768.78	13,208.44	9,607.92	33.07	71.37	-77.38	1,628.34	-2,117.85	735.94	626.99	108.95	6.755		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 - DELAWARE RANCH 13 24 W1CN FEDERAL COM 1H - OWB - AWP													Offset Site Error:	0.00 usft
Survey Program:		198-MWD - OWSG R1					Rule Assigned:				Offset Well Error:		3.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
11,600.00	9,769.24	13,086.50	9,610.87	33.46	69.59	-77.60	1,750.25	-2,118.06	737.47	630.46	107.01	6.892		
11,700.00	9,769.70	12,975.25	9,615.60	33.87	67.99	-77.89	1,861.32	-2,114.26	734.88	629.57	105.30	6.979		
11,732.50	9,769.85	12,954.20	9,616.38	34.00	67.69	-77.94	1,882.35	-2,113.80	734.51	629.45	105.07	6.991		
11,800.00	9,770.16	12,901.11	9,616.85	34.29	66.92	-77.96	1,935.43	-2,113.40	735.07	630.72	104.35	7.044		
11,900.00	9,770.62	12,808.24	9,613.52	34.72	65.59	-77.70	2,028.24	-2,113.12	737.32	634.36	102.96	7.161		
12,000.00	9,771.08	12,700.02	9,611.92	35.17	64.05	-77.58	2,136.44	-2,113.27	739.60	638.23	101.37	7.296		
12,100.00	9,771.53	12,587.13	9,612.54	35.64	62.47	-77.59	2,249.31	-2,111.63	739.82	640.05	99.77	7.416		
12,200.00	9,771.99	12,471.41	9,612.23	36.12	60.87	-77.50	2,364.98	-2,108.35	738.98	640.86	98.12	7.532		
12,300.00	9,772.45	12,323.82	9,611.48	36.61	58.88	-77.24	2,512.04	-2,096.38	732.78	637.10	95.67	7.659		
12,400.00	9,772.91	12,233.26	9,610.79	37.11	57.68	-77.00	2,602.05	-2,086.40	724.04	629.34	94.71	7.645		
12,500.00	9,773.37	12,170.00	9,610.31	37.63	56.85	-76.87	2,665.09	-2,081.27	718.43	624.00	94.43	7.608		
12,586.91	9,773.77	12,101.18	9,609.94	38.09	55.94	-76.79	2,733.84	-2,078.41	716.74	622.90	93.84	7.638		
12,600.00	9,773.83	12,092.11	9,609.91	38.16	55.82	-76.78	2,742.91	-2,078.26	716.78	623.00	93.78	7.643		
12,700.00	9,774.29	12,006.12	9,610.19	38.70	54.69	-76.80	2,828.91	-2,078.37	718.58	625.59	92.99	7.727		
12,800.00	9,774.75	11,903.49	9,612.08	39.25	53.35	-76.97	2,931.51	-2,079.57	721.12	629.14	91.98	7.840		
12,900.00	9,775.21	11,811.09	9,614.38	39.81	52.16	-77.16	3,023.87	-2,080.78	723.65	632.45	91.20	7.935		
13,000.00	9,775.67	11,708.14	9,615.86	40.39	50.85	-77.30	3,126.79	-2,082.52	726.79	636.50	90.30	8.049		
13,100.00	9,776.12	11,607.09	9,616.93	40.97	49.60	-77.40	3,227.83	-2,083.68	729.48	640.00	89.48	8.152		
13,200.00	9,776.58	11,509.88	9,618.28	41.56	48.41	-77.52	3,325.02	-2,085.02	732.33	643.52	88.80	8.247		
13,300.00	9,777.04	11,409.77	9,619.67	42.16	47.22	-77.64	3,425.11	-2,086.53	735.31	647.17	88.14	8.342		
13,400.00	9,777.50	11,310.83	9,620.62	42.77	46.08	-77.74	3,524.04	-2,088.10	738.45	650.89	87.57	8.433		
13,465.81	9,777.80	11,241.17	9,621.48	43.17	45.28	-77.81	3,593.68	-2,089.05	740.35	653.19	87.15	8.495		
13,500.00	9,777.96	11,207.76	9,621.96	43.38	44.91	-77.85	3,627.08	-2,089.43	741.04	654.05	87.00	8.518		
13,519.16	9,778.05	11,189.44	9,622.18	43.50	44.71	-77.86	3,645.41	-2,089.67	741.29	654.37	86.92	8.529		
13,600.00	9,778.42	11,112.17	9,622.86	44.00	43.87	-77.91	3,722.66	-2,090.81	742.30	655.69	86.60	8.571		
13,700.00	9,778.88	11,017.11	9,623.17	44.64	42.86	-77.92	3,817.71	-2,092.65	744.10	657.82	86.29	8.624		
13,800.00	9,779.34	10,915.24	9,623.45	45.28	41.83	-77.95	3,919.54	-2,095.17	746.45	660.50	85.95	8.685		
13,900.00	9,779.80	10,803.15	9,623.95	45.93	40.74	-77.97	4,031.62	-2,096.44	747.44	661.89	85.55	8.736		
14,000.00	9,780.26	10,695.78	9,623.62	46.58	39.75	-77.90	4,138.99	-2,096.12	747.19	661.90	85.29	8.761		
14,100.00	9,780.72	10,599.54	9,623.11	47.24	38.91	-77.81	4,235.23	-2,095.45	746.61	661.35	85.26	8.757		
14,200.00	9,781.18	10,494.91	9,622.55	47.91	38.05	-77.72	4,339.86	-2,094.93	746.22	661.04	85.19	8.760		
14,300.00	9,781.64	10,399.02	9,622.30	48.58	37.32	-77.66	4,435.73	-2,094.30	745.63	660.31	85.31	8.740		
14,400.00	9,782.10	10,288.67	9,621.73	49.26	36.55	-77.56	4,546.08	-2,093.02	744.58	659.25	85.33	8.726		
14,500.00	9,782.56	10,191.24	9,622.45	49.95	35.93	-77.55	4,643.49	-2,091.44	742.83	657.24	85.60	8.678		
14,600.00	9,783.02	10,097.97	9,619.68	50.64	35.39	-77.29	4,736.69	-2,090.31	742.26	656.31	85.95	8.636		
14,698.20	9,783.47	10,002.24	9,611.08	51.32	34.87	-76.56	4,831.99	-2,088.03	741.97	655.75	86.23	8.605		
14,700.00	9,783.48	10,000.64	9,610.89	51.33	34.87	-76.55	4,833.58	-2,087.99	741.97	655.74	86.23	8.604		
14,800.00	9,783.94	9,906.43	9,597.40	52.03	34.41	-75.45	4,926.77	-2,085.05	742.42	655.88	86.54	8.579		
14,900.00	9,784.40	9,824.21	9,580.98	52.74	34.06	-74.15	5,007.28	-2,082.44	744.66	657.71	86.94	8.565		
15,000.00	9,784.86	9,752.76	9,562.93	53.44	33.77	-72.75	5,076.35	-2,080.73	749.92	662.55	87.36	8.584		
15,100.00	9,785.32	9,702.00	9,543.61	54.16	33.58	-71.31	5,123.25	-2,079.83	760.93	673.22	87.71	8.676		
15,200.00	9,785.78	9,646.31	9,515.98	54.87	33.37	-69.30	5,171.55	-2,078.86	778.42	690.80	87.63	8.883		
15,300.00	9,786.24	9,576.00	9,473.87	55.60	33.11	-66.30	5,227.75	-2,076.42	802.01	714.97	87.04	9.214		
15,400.00	9,786.70	9,532.06	9,444.71	56.32	32.96	-64.27	5,260.50	-2,073.78	831.23	744.87	86.36	9.625		
15,500.00	9,787.16	9,497.52	9,420.16	57.05	32.84	-62.61	5,284.73	-2,072.09	867.92	782.47	85.45	10.157		
15,600.00	9,787.62	9,469.05	9,398.99	57.78	32.74	-61.23	5,303.73	-2,071.16	911.74	827.39	84.35	10.809		
15,700.00	9,788.08	9,453.00	9,386.81	58.52	32.69	-60.47	5,314.19	-2,071.11	962.32	879.16	83.16	11.572		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 704H - OWB - AWP											Offset Site Error:		0.00 usft	
Survey Program:		200-r.5 MWD											Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			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			
20,200.00	9,808.77	9,454.00	9,393.26	93.77	20.22	-50.97	11,044.33	-1,890.26	972.26	891.26	81.00	12.004				
20,300.00	9,809.23	9,454.00	9,393.26	94.58	20.22	-50.97	11,044.33	-1,890.26	901.91	815.25	86.66	10.408				
20,400.00	9,809.69	9,454.00	9,393.26	95.39	20.22	-50.97	11,044.33	-1,890.26	837.61	744.66	92.95	9.011				
20,467.46	9,810.00	9,492.52	9,424.21	95.94	20.33	-53.12	11,067.23	-1,890.62	796.12	699.23	96.88	8.217				
20,468.32	9,810.00	9,492.74	9,424.38	95.95	20.33	-53.13	11,067.37	-1,890.62	795.62	695.55	100.07	7.951 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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 725H - OWB - AWP													Offset Site Error:	0.00 usft
Survey Program: 200-r.5 MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
19,900.00	9,807.39	9,613.93	9,528.39	91.33	26.76	-58.84	10,838.60	-1,841.00	972.17	897.10	75.07	12.950		
20,000.00	9,807.85	9,645.00	9,557.35	92.14	26.76	-61.47	10,849.83	-1,840.31	891.22	811.51	79.71	11.181		
20,100.00	9,808.31	9,645.00	9,557.35	92.96	26.76	-61.47	10,849.83	-1,840.31	813.13	727.50	85.63	9.496		
20,200.00	9,808.77	9,668.59	9,578.91	93.77	26.76	-63.52	10,859.36	-1,839.67	739.62	647.34	92.28	8.015		
20,300.00	9,809.23	9,692.84	9,600.69	94.58	26.76	-65.66	10,870.01	-1,838.96	671.56	571.57	99.99	6.716		
20,400.00	9,809.69	9,721.48	9,625.82	95.39	26.77	-68.24	10,883.71	-1,838.06	610.33	501.74	108.59	5.620		
20,467.46	9,810.00	9,741.00	9,642.57	95.94	26.77	-70.01	10,893.71	-1,837.41	573.71	458.92	114.79	4.998		
20,468.32	9,810.00	9,741.00	9,642.57	95.95	26.77	-70.01	10,893.71	-1,837.41	573.27	456.66	116.61	4.916 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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	Rule Assigned:					
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)	Separation Factor	Warning
0.00	0.00	0.00	14.00	0.00	3.00	-174.92	-415.10	-36.90	416.97				
100.00	100.00	81.06	95.06	0.77	3.02	-174.90	-415.57	-37.06	417.25	412.42	4.82	86.512	
200.00	200.00	180.06	194.05	1.44	3.10	-174.85	-416.93	-37.59	418.66	413.42	5.24	79.913	
300.00	300.00	279.08	293.05	1.88	3.22	-174.79	-418.38	-38.15	420.17	414.50	5.67	74.047	
400.00	400.00	377.49	391.45	2.25	3.36	-174.81	-420.19	-38.18	422.01	415.89	6.12	68.995	
500.00	500.00	474.19	488.11	2.56	3.53	-174.98	-422.58	-37.13	424.38	417.82	6.56	64.704	
600.00	600.00	572.68	586.52	2.84	3.72	-175.29	-425.77	-35.08	427.43	420.42	7.01	60.986	
700.00	700.00	674.99	688.76	3.10	3.95	-175.64	-429.01	-32.74	430.40	422.94	7.46	57.670	
800.00	800.00	773.73	787.44	3.34	4.19	-175.98	-431.78	-30.34	433.03	425.12	7.91	54.758	
900.00	900.00	871.44	885.06	3.57	4.45	-176.30	-435.04	-28.16	436.21	427.84	8.36	52.155	
1,000.00	1,000.00	972.29	985.84	3.79	4.74	-176.57	-438.61	-26.30	439.63	430.79	8.84	49.726	
1,100.00	1,100.00	1,074.21	1,087.69	3.99	5.05	-176.80	-441.76	-24.69	442.62	433.30	9.32	47.474	
1,200.00	1,200.00	1,174.74	1,188.17	4.19	5.35	-177.01	-444.54	-23.25	445.31	435.50	9.80	45.434	
1,300.00	1,300.00	1,277.00	1,290.39	4.38	5.67	-177.19	-447.13	-21.96	447.77	437.49	10.28	43.543	
1,400.00	1,400.00	1,377.85	1,391.22	4.56	5.98	-177.32	-449.19	-21.02	449.76	439.01	10.76	41.808	
1,500.00	1,500.00	1,481.33	1,494.68	4.74	6.29	-177.47	-450.94	-19.91	451.41	440.19	11.21	40.253	
1,600.00	1,599.98	1,582.22	1,595.55	5.00	6.59	-72.83	-452.01	-18.71	451.90	440.26	11.64	38.822	
1,700.00	1,699.84	1,681.76	1,695.08	5.26	6.88	-73.59	-453.04	-17.82	451.40	439.32	12.07	37.393	
1,800.00	1,799.45	1,780.44	1,793.76	5.54	7.18	-74.75	-454.19	-17.16	450.16	437.63	12.53	35.918	
1,900.00	1,898.70	1,878.92	1,892.23	5.83	7.48	-76.31	-455.52	-16.81	448.47	435.44	13.03	34.430	
2,000.00	1,997.47	1,978.29	1,991.57	6.15	7.79	-78.42	-456.87	-15.78	446.42	432.89	13.53	32.995	
2,100.00	2,095.62	2,075.53	2,088.76	6.48	8.07	-81.18	-457.96	-12.69	444.39	430.41	13.98	31.794	
2,199.62	2,192.69	2,169.08	2,182.21	6.84	8.35	-84.39	-459.18	-8.51	443.46	429.03	14.43	30.731	
2,200.00	2,193.06	2,169.43	2,182.56	6.84	8.35	-84.40	-459.19	-8.49	443.46	429.03	14.43	30.727	
2,300.00	2,289.64	2,262.26	2,275.26	7.21	8.65	-87.98	-460.94	-4.03	444.59	429.66	14.93	29.777	
2,375.00	2,361.46	2,330.96	2,343.82	7.45	8.87	-90.92	-462.35	0.17	447.18	431.87	15.31	29.209	
2,400.00	2,385.30	2,353.70	2,366.51	7.52	8.95	-91.96	-462.84	1.71	448.45	433.02	15.43	29.062	
2,475.00	2,456.83	2,423.43	2,436.03	7.76	9.18	-95.14	-464.38	6.79	453.45	437.61	15.85	28.616	
2,500.00	2,480.68	2,447.92	2,460.46	7.83	9.26	-97.83	-464.86	8.56	455.52	439.54	15.98	28.503	
2,600.00	2,576.09	2,545.73	2,558.04	8.20	9.59	-108.45	-466.37	15.00	466.94	450.27	16.66	28.023	
2,665.27	2,638.36	2,609.75	2,621.95	8.42	9.80	-115.17	-467.15	18.56	476.98	459.92	17.06	27.954	
2,700.00	2,671.48	2,644.51	2,656.67	8.53	9.91	-116.46	-467.50	20.23	482.87	465.60	17.27	27.966	
2,800.00	2,766.85	2,742.38	2,754.46	8.91	10.21	-119.86	-468.16	24.01	500.29	482.38	17.91	27.934 SF	
2,900.00	2,862.23	2,838.22	2,850.25	9.31	10.51	-122.94	-468.71	27.34	519.02	500.46	18.56	27.964	
3,000.00	2,957.60	2,935.26	2,947.24	9.72	10.80	-125.82	-469.00	30.18	538.64	519.41	19.23	28.012	
3,100.00	3,052.97	3,030.80	3,042.75	10.14	11.08	-128.45	-469.16	32.75	559.25	539.35	19.90	28.100	
3,200.00	3,148.34	3,127.40	3,139.33	10.56	11.36	-130.91	-469.30	34.99	580.70	560.11	20.59	28.200	
3,300.00	3,243.71	3,224.22	3,236.12	10.99	11.64	-133.19	-469.21	36.94	602.76	581.48	21.29	28.316	
3,400.00	3,339.08	3,319.91	3,331.80	11.43	11.90	-135.27	-469.13	38.55	625.43	603.45	21.98	28.449	
3,500.00	3,434.45	3,414.45	3,426.32	11.88	12.17	-137.18	-469.15	40.05	648.87	626.17	22.70	28.590	
3,600.00	3,529.82	3,511.77	3,523.64	12.33	12.45	-138.99	-469.23	41.34	672.79	649.36	23.43	28.711	
3,700.00	3,625.20	3,609.28	3,621.14	12.79	12.73	-140.65	-469.33	42.15	696.94	672.76	24.17	28.829	
3,800.00	3,720.57	3,703.58	3,715.44	13.25	13.00	-142.14	-469.51	42.77	721.51	696.60	24.91	28.967	
3,900.00	3,815.94	3,798.88	3,810.74	13.71	13.28	-143.54	-469.83	43.36	746.58	720.92	25.66	29.095	
4,000.00	3,911.31	3,895.61	3,907.47	14.18	13.57	-144.87	-470.15	43.84	771.94	745.52	26.42	29.219	
4,100.00	4,006.68	3,991.55	4,003.41	14.65	13.84	-146.10	-470.41	44.20	797.54	770.37	27.17	29.355	
4,200.00	4,102.05	4,086.14	4,097.99	15.12	14.11	-147.23	-470.85	44.43	823.45	795.55	27.89	29.520	
4,300.00	4,197.42	4,181.92	4,193.77	15.60	14.36	-148.28	-471.59	44.54	849.68	821.08	28.60	29.707	
4,400.00	4,292.79	4,276.55	4,288.40	16.07	14.60	-149.25	-472.40	44.60	876.15	846.85	29.30	29.905	
4,500.00	4,388.17	4,372.66	4,384.51	16.55	14.85	-150.17	-473.27	44.67	902.89	872.89	30.00	30.100	
4,600.00	4,483.54	4,467.63	4,479.47	17.04	15.09	-151.02	-474.25	44.61	929.76	899.08	30.68	30.303	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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	
4,700.00	4,578.91	4,561.95	4,573.78	17.52	15.35	-151.83	-475.14	44.71	956.92	925.54	31.38	30.494		
4,800.00	4,674.28	4,654.29	4,666.13	18.01	15.62	-152.59	-475.94	44.99	984.42	952.32	32.10	30.670		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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						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	
2,900.00	2,862.23	2,875.92	2,880.24	9.31	7.54	18.37	201.62	-1,226.27	976.48	959.84	16.64	58.689		
3,000.00	2,957.60	2,968.50	2,972.81	9.72	7.70	18.95	201.51	-1,224.61	946.16	928.97	17.19	55.042		
3,100.00	3,052.97	3,061.41	3,065.71	10.14	7.87	19.57	201.52	-1,223.18	916.21	898.45	17.76	51.591		
3,200.00	3,148.34	3,155.66	3,159.94	10.56	8.05	20.23	201.49	-1,221.87	886.50	868.16	18.34	48.328		
3,300.00	3,243.71	3,249.54	3,253.82	10.99	8.25	20.95	201.55	-1,220.61	856.97	838.03	18.94	45.254		
3,400.00	3,339.08	3,342.42	3,346.69	11.43	8.45	21.69	201.51	-1,219.58	827.76	808.22	19.54	42.362		
3,500.00	3,434.45	3,436.77	3,441.04	11.88	8.65	22.48	201.38	-1,218.83	798.94	778.79	20.15	39.650		
3,600.00	3,529.82	3,532.12	3,536.39	12.33	8.85	23.33	201.12	-1,217.99	770.17	749.40	20.76	37.095		
3,700.00	3,625.20	3,624.18	3,628.44	12.79	9.04	24.21	200.78	-1,217.48	741.81	720.43	21.38	34.697		
3,800.00	3,720.57	3,716.88	3,721.14	13.25	9.20	25.14	200.48	-1,217.38	714.05	692.06	21.99	32.472		
3,900.00	3,815.94	3,812.57	3,816.83	13.71	9.38	26.18	200.26	-1,217.36	686.61	664.02	22.59	30.397		
4,000.00	3,911.31	3,907.59	3,911.85	14.18	9.57	27.32	200.19	-1,217.27	659.39	636.21	23.18	28.443		
4,100.00	4,006.68	4,000.00	4,004.26	14.65	9.75	28.51	200.17	-1,217.34	632.61	608.85	23.77	26.619		
4,200.00	4,102.05	4,093.76	4,098.02	15.12	9.90	29.81	200.15	-1,217.81	606.49	582.17	24.32	24.935		
4,300.00	4,197.42	4,189.63	4,193.89	15.60	10.06	31.22	200.02	-1,218.58	580.92	556.05	24.86	23.365		
4,400.00	4,292.79	4,285.66	4,289.92	16.07	10.22	32.74	199.67	-1,219.38	555.63	530.24	25.39	21.882		
4,500.00	4,388.17	4,382.37	4,386.61	16.55	10.39	34.40	199.14	-1,220.16	530.63	504.73	25.90	20.486		
4,600.00	4,483.54	4,478.15	4,482.40	17.04	10.56	36.18	198.35	-1,220.91	505.94	479.54	26.40	19.168		
4,700.00	4,578.91	4,572.28	4,576.51	17.52	10.74	38.12	197.73	-1,221.69	481.88	455.02	26.87	17.936		
4,800.00	4,674.28	4,667.93	4,672.16	18.01	10.93	40.27	197.23	-1,222.69	458.67	431.38	27.30	16.804		
4,900.00	4,769.65	4,764.08	4,768.30	18.49	11.12	42.63	196.46	-1,223.74	436.04	408.36	27.69	15.750		
5,000.00	4,865.02	4,860.60	4,864.82	18.98	11.32	45.21	195.49	-1,224.82	414.09	386.06	28.03	14.774		
5,100.00	4,960.39	4,956.83	4,961.03	19.47	11.51	48.06	194.34	-1,225.78	392.84	364.52	28.32	13.871		
5,200.00	5,055.77	5,052.58	5,056.77	19.96	11.71	51.18	193.10	-1,226.76	372.60	344.03	28.56	13.045		
5,300.00	5,151.14	5,149.01	5,153.18	20.45	11.91	54.64	191.77	-1,227.76	353.53	324.79	28.75	12.299		
5,400.00	5,246.51	5,245.66	5,249.81	20.95	12.13	58.48	190.15	-1,228.59	335.58	306.71	28.87	11.624		
5,500.00	5,341.88	5,341.21	5,345.35	21.44	12.36	62.65	188.43	-1,229.33	319.15	290.18	28.96	11.019		
5,600.00	5,437.25	5,436.99	5,441.11	21.94	12.58	67.23	186.81	-1,230.12	304.77	275.74	29.04	10.496		
5,700.00	5,532.62	5,533.42	5,537.52	22.43	12.82	72.20	184.81	-1,230.94	292.29	263.16	29.13	10.035		
5,800.00	5,627.99	5,628.70	5,632.77	22.93	13.06	77.42	182.78	-1,232.05	282.33	253.03	29.30	9.635		
5,900.00	5,723.36	5,724.45	5,728.49	23.43	13.30	82.94	180.72	-1,233.32	275.07	245.47	29.61	9.291		
6,000.00	5,818.74	5,820.04	5,824.04	23.93	13.55	88.65	178.76	-1,234.65	270.79	240.69	30.10	8.996		
6,100.00	5,914.11	5,916.61	5,920.59	24.43	13.81	94.56	176.61	-1,235.86	269.37	238.54	30.83	8.737		
6,104.45	5,918.35	5,920.89	5,924.86	24.45	13.82	94.83	176.51	-1,235.91	269.37	238.50	30.87	8.726		
6,200.00	6,009.48	6,012.73	6,016.67	24.93	14.07	100.48	174.25	-1,236.92	270.84	239.03	31.81	8.515		
6,273.43	6,079.51	6,083.32	6,087.23	25.29	14.26	104.76	172.43	-1,237.69	273.78	241.13	32.66	8.384		
6,300.00	6,104.89	6,108.72	6,112.62	25.41	14.33	106.28	171.76	-1,237.97	275.20	242.22	32.98	8.345		
6,400.00	6,201.02	6,203.48	6,207.35	25.93	14.59	111.46	169.50	-1,238.79	281.80	247.58	34.22	8.235		
6,500.00	6,298.06	6,300.30	6,304.15	26.42	14.86	115.98	167.42	-1,239.27	289.53	254.09	35.45	8.168		
6,600.00	6,395.88	6,397.48	6,401.31	26.91	15.12	119.79	165.28	-1,239.26	297.40	260.81	36.60	8.127		
6,700.00	6,494.37	6,498.44	6,502.22	27.37	15.39	123.13	162.35	-1,238.58	304.32	266.59	37.73	8.066		
6,800.00	6,593.40	6,595.76	6,599.48	27.82	15.66	125.72	159.29	-1,237.88	309.93	271.25	38.67	8.014		
6,900.00	6,692.85	6,696.07	6,699.76	28.24	15.95	127.61	156.70	-1,237.76	314.09	274.56	39.54	7.944		
7,000.00	6,792.60	6,795.10	6,798.77	28.62	16.23	128.85	154.29	-1,237.95	316.30	276.06	40.24	7.860		
7,100.00	6,892.54	6,894.36	6,898.00	28.94	16.52	129.56	152.09	-1,238.06	316.63	275.82	40.81	7.759		
7,148.46	6,941.00	6,943.22	6,946.85	29.00	16.66	37.41	151.00	-1,238.06	316.03	275.03	41.00	7.708		
7,200.00	6,992.54	6,995.28	6,998.89	29.00	16.82	37.54	149.75	-1,238.08	315.04	273.87	41.16	7.654		
7,300.00	7,092.54	7,096.66	7,100.23	29.03	17.10	37.81	146.99	-1,238.34	312.73	271.24	41.49	7.537		
7,400.00	7,192.54	7,195.27	7,198.81	29.05	17.30	38.01	144.59	-1,238.85	310.49	268.79	41.69	7.447		
7,500.00	7,292.54	7,295.17	7,298.70	29.08	17.41	38.09	142.79	-1,239.67	308.56	266.73	41.83	7.376		
7,600.00	7,392.54	7,395.07	7,398.58	29.10	17.45	38.08	141.25	-1,241.00	306.53	264.62	41.91	7.315		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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												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)			
7,700.00	7,492.54	7,495.28	7,498.76	29.13	17.50	38.05	139.79	-1,242.33	304.56	262.58	41.98	7.254	
7,800.00	7,592.54	7,599.46	7,602.90	29.15	17.56	38.10	137.47	-1,243.77	301.97	259.81	42.16	7.163	
7,900.00	7,692.54	7,725.77	7,728.70	29.18	17.63	39.06	127.68	-1,245.25	295.43	252.64	42.79	6.904	
8,000.00	7,792.54	7,851.66	7,850.37	29.20	17.73	43.91	95.98	-1,241.37	278.10	234.11	43.98	6.323	
8,100.00	7,892.54	7,995.42	7,981.42	29.23	17.92	53.74	38.00	-1,241.83	249.70	204.07	45.63	5.472	
8,200.00	7,992.54	8,099.83	8,058.34	29.26	18.10	70.47	-31.88	-1,237.97	214.12	166.20	47.92	4.468	
8,300.00	8,092.54	8,160.46	8,094.02	29.28	18.19	84.37	-80.71	-1,234.18	196.77	149.03	47.75	4.121 CC, ES, SF	
8,304.45	8,096.99	8,162.59	8,095.17	29.28	18.19	84.89	-82.49	-1,234.01	196.78	149.16	47.62	4.132	
8,400.00	8,192.54	8,203.22	8,115.69	29.31	18.25	94.96	-117.35	-1,230.23	214.75	171.93	42.82	5.015	
8,500.00	8,292.54	8,235.64	8,129.50	29.34	18.30	102.89	-146.48	-1,226.87	264.58	227.61	36.98	7.155	
8,600.00	8,392.54	8,260.63	8,138.51	29.36	18.34	108.71	-169.64	-1,224.36	334.16	300.89	33.27	10.045	
8,700.00	8,492.54	8,281.10	8,144.98	29.39	18.37	113.20	-188.97	-1,222.43	414.48	383.03	31.45	13.178	
8,800.00	8,592.54	8,305.00	8,151.68	29.42	18.41	118.06	-211.80	-1,220.25	500.85	470.07	30.78	16.273	
8,900.00	8,692.54	8,314.06	8,154.00	29.45	18.43	119.79	-220.52	-1,219.44	590.66	560.17	30.49	19.371	
9,000.00	8,792.54	8,327.70	8,157.28	29.47	18.46	122.28	-233.72	-1,218.30	682.83	652.28	30.55	22.352	
9,100.00	8,892.54	8,337.00	8,159.37	29.50	18.48	123.90	-242.75	-1,217.57	776.56	745.83	30.73	25.274	
9,200.00	8,992.54	8,350.55	8,162.23	29.53	18.51	126.14	-255.94	-1,216.49	871.39	840.38	31.01	28.099	
9,300.00	9,092.54	8,360.44	8,164.20	29.56	18.54	127.69	-265.60	-1,215.65	967.05	935.72	31.32	30.875	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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
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	
0.00	0.00	0.00	12.00	0.00	3.00	-43.98	561.50	-541.80	780.37				
100.00	100.00	89.07	101.06	0.77	3.00	-44.02	561.02	-542.21	780.22	775.42	4.80	162.588	
123.50	123.50	111.51	123.50	0.92	3.00	-44.05	560.76	-542.44	780.19	775.33	4.86	160.588	
200.00	200.00	187.55	199.52	1.44	3.00	-44.16	559.82	-543.63	780.34	775.22	5.12	152.400	
300.00	300.00	292.31	304.27	1.88	3.01	-44.30	558.23	-544.83	780.05	774.62	5.43	143.764	
400.00	400.00	396.93	408.87	2.25	3.03	-44.41	556.40	-545.09	778.96	773.24	5.72	136.203	
500.00	500.00	495.10	507.03	2.56	3.05	-44.53	554.69	-545.57	778.06	772.06	6.00	129.640	
561.44	561.44	549.53	561.44	2.74	3.06	-44.60	553.80	-546.19	777.83	771.67	6.17	126.145	
600.00	600.00	587.61	599.52	2.84	3.07	-44.67	553.20	-546.83	777.85	771.58	6.27	124.013	
700.00	700.00	682.24	694.12	3.10	3.10	-44.80	552.33	-548.55	778.47	771.94	6.53	119.167	
800.00	800.00	777.34	789.19	3.34	3.13	-44.97	551.39	-550.75	779.41	772.62	6.79	114.864	
900.00	900.00	871.98	883.78	3.57	3.16	-45.19	550.27	-553.93	780.96	773.93	7.03	111.057	
1,000.00	1,000.00	1,005.00	1,016.69	3.79	3.22	-45.53	547.40	-557.61	781.57	774.29	7.28	107.375	
1,100.00	1,100.00	1,101.67	1,113.31	3.99	3.26	-45.70	544.32	-557.80	779.49	771.97	7.52	103.691	
1,200.00	1,200.00	1,202.71	1,214.30	4.19	3.30	-45.90	540.91	-558.24	777.44	769.69	7.75	100.285	
1,289.58	1,289.58	1,278.02	1,289.58	4.36	3.33	-45.99	539.41	-558.35	776.35	768.39	7.96	97.564	
1,300.00	1,300.00	1,287.66	1,299.22	4.38	3.33	-45.99	539.43	-558.34	776.35	768.37	7.98	97.274	
1,400.00	1,400.00	1,388.41	1,399.97	4.56	3.33	-45.97	539.63	-558.30	776.47	768.26	8.21	94.632	
1,500.00	1,500.00	1,489.97	1,501.54	4.74	3.38	-46.00	539.29	-558.50	776.37	767.95	8.43	92.122	
1,600.00	1,599.98	1,602.06	1,613.59	5.00	3.38	59.31	540.07	-556.23	774.51	765.84	8.67	89.328	
1,700.00	1,699.84	1,700.97	1,712.43	5.26	3.38	59.96	541.38	-552.84	770.34	761.44	8.90	86.560	
1,800.00	1,799.45	1,798.89	1,810.29	5.54	3.38	60.84	542.64	-549.86	764.79	755.66	9.13	83.759	
1,900.00	1,898.70	1,894.47	1,905.85	5.83	3.38	61.91	543.45	-547.55	757.85	748.49	9.37	80.921	
2,000.00	1,997.47	2,006.70	2,018.03	6.15	3.40	63.45	543.90	-544.51	749.08	739.47	9.60	77.991	
2,100.00	2,095.62	2,144.83	2,155.63	6.48	3.44	66.21	543.53	-533.03	734.99	725.16	9.83	74.768	
2,200.00	2,193.06	2,244.35	2,254.40	6.84	3.47	68.91	543.19	-520.88	718.11	708.05	10.06	71.391	
2,300.00	2,289.64	2,353.74	2,362.62	7.21	3.51	72.43	542.24	-504.97	699.68	689.40	10.27	68.096	
2,375.00	2,361.46	2,428.11	2,435.92	7.45	3.55	75.23	540.86	-492.50	684.97	674.56	10.41	65.818	
2,400.00	2,385.30	2,449.37	2,456.87	7.52	3.56	75.99	540.43	-488.92	680.24	669.80	10.44	65.154	
2,475.00	2,456.83	2,508.24	2,515.11	7.76	3.59	78.01	538.90	-480.48	667.48	656.88	10.60	62.963	
2,500.00	2,480.68	2,527.17	2,533.89	7.83	3.60	77.04	538.40	-478.13	663.61	652.96	10.64	62.359	
2,600.00	2,576.09	2,608.61	2,614.77	8.20	3.64	73.30	536.78	-468.79	648.37	637.36	11.00	58.920	
2,665.27	2,638.36	2,661.54	2,667.41	8.42	3.67	70.89	536.25	-463.24	638.56	627.39	11.17	57.172	
2,700.00	2,671.48	2,694.22	2,699.92	8.53	3.69	72.00	536.06	-459.90	633.49	622.25	11.24	56.376	
2,800.00	2,766.85	2,785.25	2,790.47	8.91	3.74	75.16	535.52	-450.68	620.36	608.83	11.53	53.816	
2,900.00	2,862.23	2,878.23	2,882.88	9.31	3.79	78.57	535.01	-440.37	609.34	597.50	11.83	51.492	
3,000.00	2,957.60	2,967.29	2,971.23	9.72	3.85	82.06	535.24	-429.16	601.28	589.12	12.16	49.445	
3,100.00	3,052.97	3,058.61	3,061.78	10.14	3.91	85.73	535.36	-417.32	595.91	583.40	12.52	47.611	
3,200.00	3,148.34	3,149.99	3,152.42	10.56	3.97	89.41	535.43	-405.70	593.47	580.56	12.91	45.980	
3,281.53	3,226.09	3,232.87	3,234.64	10.91	4.03	92.76	534.91	-395.28	593.15	579.88	13.27	44.706	
3,300.00	3,243.71	3,253.08	3,254.68	10.99	4.05	93.58	534.54	-392.70	593.15	579.79	13.36	44.411 CC, ES	
3,400.00	3,339.08	3,345.63	3,346.41	11.43	4.12	97.36	532.34	-380.61	594.42	580.58	13.84	42.935	
3,500.00	3,434.45	3,436.53	3,436.50	11.88	4.19	101.03	530.26	-368.72	598.76	584.38	14.38	41.644	
3,600.00	3,529.82	3,525.48	3,524.74	12.33	4.26	104.53	528.22	-357.63	605.90	590.95	14.95	40.533	
3,700.00	3,625.20	3,617.85	3,616.45	12.79	4.34	108.01	526.43	-346.83	615.88	600.31	15.57	39.563	
3,800.00	3,720.57	3,708.61	3,706.58	13.25	4.41	111.32	524.62	-336.28	628.32	612.11	16.22	38.744	
3,900.00	3,815.94	3,796.72	3,794.08	13.71	4.49	114.42	523.09	-326.04	643.35	626.46	16.88	38.103	
4,000.00	3,911.31	3,882.50	3,879.28	14.18	4.57	117.28	522.31	-316.10	661.22	643.66	17.56	37.660	
4,100.00	4,006.68	3,973.43	3,969.56	14.65	4.65	120.18	521.81	-305.33	681.49	663.22	18.28	37.285	
4,200.00	4,102.05	4,067.26	4,062.71	15.12	4.73	123.04	520.90	-294.07	703.34	684.30	19.04	36.950	
4,300.00	4,197.42	4,163.77	4,158.59	15.60	4.82	125.78	519.79	-283.09	726.41	706.59	19.82	36.651	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	
4,400.00	4,292.79	4,256.58	4,250.84	16.07	4.91	128.23	518.68	-272.97	750.68	730.10	20.59	36.466		
4,500.00	4,388.17	4,353.71	4,347.51	16.55	5.00	130.59	517.49	-263.59	775.51	754.13	21.38	36.271		
4,600.00	4,483.54	4,446.70	4,440.10	17.04	5.09	132.68	516.37	-255.05	801.20	779.05	22.15	36.176		
4,700.00	4,578.91	4,541.46	4,534.47	17.52	5.18	134.67	515.30	-246.59	827.78	804.86	22.93	36.104 SF		
4,800.00	4,674.28	4,633.14	4,625.77	18.01	5.27	136.50	514.14	-238.25	855.30	831.61	23.69	36.108		
4,900.00	4,769.65	4,726.86	4,719.12	18.49	5.37	138.24	513.03	-230.01	883.48	859.02	24.46	36.120		
5,000.00	4,865.02	4,818.62	4,810.52	18.98	5.46	139.84	512.16	-221.99	912.50	887.29	25.22	36.189		
5,100.00	4,960.39	4,898.09	4,889.58	19.47	5.54	141.20	511.02	-213.97	942.87	917.00	25.88	36.436		
5,200.00	5,055.77	4,995.30	4,986.21	19.96	5.64	142.81	509.40	-203.48	974.30	947.61	26.69	36.510		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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
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	Warning
0.00	0.00	0.00	11.00	0.00	3.00	-45.53	561.30	-571.70	801.26				
100.00	100.00	88.86	99.86	0.77	3.00	-45.56	560.99	-572.01	801.19	796.39	4.80	166.960	
200.00	200.00	189.07	200.07	1.44	3.00	-45.64	560.17	-572.85	801.22	796.10	5.12	156.477	
300.00	300.00	290.54	301.52	1.88	3.01	-45.75	559.03	-573.87	801.16	795.73	5.43	147.658	
400.00	400.00	392.49	403.46	2.25	3.03	-45.86	557.67	-574.62	800.75	795.03	5.72	140.043	
500.00	500.00	491.68	502.64	2.56	3.05	-45.97	556.29	-575.43	800.37	794.37	6.00	133.423	
600.00	600.00	589.24	600.19	2.84	3.08	-46.08	555.00	-576.30	800.09	793.82	6.27	127.611	
604.45	604.45	593.38	604.32	2.86	3.08	-46.08	554.95	-576.34	800.09	793.81	6.28	127.380	
700.00	700.00	683.09	694.02	3.10	3.11	-46.21	553.96	-577.80	800.48	793.94	6.53	122.566	
800.00	800.00	781.45	792.35	3.34	3.14	-46.35	553.05	-579.82	801.32	794.54	6.79	118.098	
900.00	900.00	896.53	907.42	3.57	3.15	-46.35	553.23	-579.87	801.48	794.44	7.04	113.918	
1,000.00	1,000.00	994.19	1,005.06	3.79	3.14	-46.20	554.20	-577.83	800.65	793.38	7.28	110.009	
1,100.00	1,100.00	1,093.22	1,104.07	3.99	3.14	-46.07	555.03	-576.21	800.06	792.55	7.52	106.449	
1,200.00	1,200.00	1,191.46	1,202.31	4.19	3.14	-46.01	555.43	-575.45	799.78	792.03	7.75	103.210	
1,300.00	1,300.00	1,289.20	1,300.04	4.38	3.14	-45.98	555.54	-574.92	799.47	791.49	7.98	100.199	
1,304.45	1,304.45	1,293.22	1,304.06	4.38	3.15	-45.98	555.55	-574.91	799.47	791.48	7.99	100.076	
1,400.00	1,400.00	1,381.44	1,392.28	4.56	3.16	-45.99	555.83	-575.36	800.03	791.83	8.20	97.563	
1,500.00	1,500.00	1,481.27	1,492.10	4.74	3.19	-46.06	555.83	-576.80	801.07	792.64	8.42	95.127	
1,600.00	1,599.98	1,586.32	1,597.13	5.00	3.21	59.13	557.00	-576.49	800.72	792.06	8.66	92.455	
1,700.00	1,699.84	1,683.39	1,694.17	5.26	3.22	59.64	558.94	-575.28	798.57	789.68	8.89	89.860	
1,800.00	1,799.45	1,781.48	1,792.25	5.54	3.24	60.33	560.41	-574.90	794.98	785.86	9.12	87.195	
1,900.00	1,898.70	1,875.00	1,885.76	5.83	3.27	61.17	561.59	-575.35	790.24	780.88	9.35	84.494	
2,000.00	1,997.47	1,972.75	1,983.49	6.15	3.30	62.27	563.00	-576.40	784.55	774.95	9.60	81.764	
2,100.00	2,095.62	2,111.40	2,121.96	6.48	3.34	64.58	565.95	-571.63	775.17	765.34	9.83	78.850	
2,200.00	2,193.06	2,206.12	2,216.34	6.84	3.37	66.83	568.58	-563.94	762.52	752.46	10.06	75.815	
2,300.00	2,289.64	2,325.90	2,335.48	7.21	3.41	70.12	571.25	-552.05	748.31	738.04	10.27	72.868	
2,375.00	2,361.46	2,408.60	2,417.40	7.45	3.43	72.86	572.21	-540.78	735.76	725.37	10.39	70.813	
2,400.00	2,385.30	2,431.12	2,439.67	7.52	3.44	73.59	572.40	-537.47	731.54	721.12	10.42	70.206	
2,475.00	2,456.83	2,491.82	2,499.82	7.76	3.47	75.53	572.72	-529.28	719.97	709.40	10.57	68.122	
2,500.00	2,480.68	2,510.76	2,518.64	7.83	3.47	74.50	572.72	-527.21	716.48	705.88	10.61	67.553	
2,600.00	2,576.09	2,590.73	2,598.28	8.20	3.51	70.40	572.96	-519.97	702.74	691.79	10.96	64.132	
2,665.27	2,638.36	2,647.06	2,654.44	8.42	3.53	67.83	573.44	-515.61	693.63	682.52	11.12	62.399	
2,700.00	2,671.48	2,675.92	2,683.23	8.53	3.55	68.67	573.79	-513.53	688.88	677.70	11.18	61.599	
2,800.00	2,766.85	2,767.95	2,775.04	8.91	3.59	71.37	574.97	-507.24	676.58	665.11	11.47	58.996	
2,900.00	2,862.23	2,858.50	2,865.37	9.31	3.64	74.10	576.47	-501.26	666.45	654.68	11.77	56.644	
3,000.00	2,957.60	2,951.43	2,958.11	9.72	3.69	76.93	578.16	-495.58	658.46	646.38	12.08	54.522	
3,100.00	3,052.97	3,044.49	3,051.00	10.14	3.75	79.80	579.77	-490.17	652.32	639.92	12.41	52.584	
3,200.00	3,148.34	3,137.48	3,143.85	10.56	3.81	82.66	581.11	-485.32	647.93	635.18	12.75	50.805	
3,300.00	3,243.71	3,233.89	3,240.16	10.99	3.87	85.59	582.29	-480.97	645.30	632.17	13.13	49.163	
3,393.23	3,332.62	3,320.40	3,326.58	11.41	3.93	88.21	583.25	-477.33	644.41	630.91	13.50	47.750 CC	
3,400.00	3,339.08	3,326.64	3,332.82	11.43	3.94	88.40	583.33	-477.07	644.41	630.89	13.52	47.653 ES	
3,500.00	3,434.45	3,422.62	3,428.71	11.88	4.01	91.30	584.49	-473.15	645.42	631.47	13.95	46.255	
3,600.00	3,529.82	3,517.26	3,523.29	12.33	4.08	94.10	585.28	-469.79	647.83	633.41	14.41	44.945	
3,700.00	3,625.20	3,612.90	3,618.89	12.79	4.15	96.85	586.04	-467.07	651.86	636.95	14.91	43.726	
3,800.00	3,720.57	3,706.78	3,712.73	13.25	4.23	99.49	586.70	-464.70	657.37	641.94	15.43	42.600	
3,900.00	3,815.94	3,800.59	3,806.52	13.71	4.30	102.07	587.50	-462.46	664.56	648.57	15.99	41.569	
4,000.00	3,911.31	3,893.92	3,899.81	14.18	4.38	104.59	588.39	-460.17	673.32	656.75	16.57	40.627	
4,100.00	4,006.68	3,989.20	3,995.06	14.65	4.47	107.08	589.45	-458.08	683.59	666.40	17.19	39.755	
4,200.00	4,102.05	4,085.64	4,091.48	15.12	4.55	109.50	590.45	-456.22	695.07	677.22	17.85	38.943	
4,300.00	4,197.42	4,184.01	4,189.83	15.60	4.64	111.86	591.34	-454.80	707.52	688.98	18.53	38.175	
4,400.00	4,292.79	4,283.58	4,289.40	16.07	4.73	114.13	591.94	-454.03	720.61	701.37	19.25	37.443	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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)				
4,500.00	4,388.17	4,382.99	4,388.81	16.55	4.81	116.29	592.18	-453.76	734.26	714.29	19.97	36.768		
4,600.00	4,483.54	4,475.00	4,480.82	17.04	4.89	118.22	592.23	-453.60	748.68	728.01	20.67	36.213		
4,700.00	4,578.91	4,567.80	4,573.62	17.52	4.96	120.09	592.49	-453.54	764.18	742.78	21.40	35.707		
4,800.00	4,674.28	4,672.32	4,678.14	18.01	4.97	122.07	592.69	-454.04	780.17	757.99	22.17	35.183		
4,900.00	4,769.65	4,765.69	4,771.51	18.49	4.97	123.78	592.65	-454.54	796.73	773.84	22.90	34.799		
5,000.00	4,865.02	4,865.51	4,871.32	18.98	4.98	125.52	592.63	-455.27	813.95	790.29	23.66	34.405		
5,100.00	4,960.39	4,959.39	4,965.20	19.47	4.98	127.10	592.44	-455.98	831.69	807.30	24.39	34.097		
5,200.00	5,055.77	5,061.28	5,067.08	19.96	4.99	128.73	592.03	-457.04	849.76	824.58	25.18	33.753		
5,300.00	5,151.14	5,156.31	5,162.10	20.45	4.99	130.20	591.39	-458.12	868.17	842.24	25.93	33.486		
5,400.00	5,246.51	5,244.37	5,250.16	20.95	5.00	131.52	590.73	-459.01	887.18	860.54	26.64	33.303 SF		
5,500.00	5,341.88	5,311.63	5,317.40	21.44	5.05	132.53	591.18	-457.87	909.31	882.08	27.23	33.393		
5,600.00	5,437.25	5,403.17	5,408.89	21.94	5.13	133.89	592.37	-455.26	933.29	905.30	28.00	33.336		
5,700.00	5,532.62	5,491.18	5,496.86	22.43	5.21	135.13	593.71	-452.65	958.04	929.31	28.73	33.342		
5,800.00	5,627.99	5,575.47	5,581.05	22.93	5.29	136.28	595.59	-449.16	984.50	955.06	29.44	33.439		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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)	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	12.00	0.00	3.00	-47.00	561.10	-601.70	822.81				
100.00	100.00	91.41	103.41	0.77	3.00	-47.04	560.58	-601.92	822.54	817.74	4.80	171.408	
200.00	200.00	192.35	204.33	1.44	3.00	-47.14	559.05	-602.49	821.92	816.80	5.12	160.500	
300.00	300.00	291.42	303.39	1.88	3.01	-47.24	557.73	-603.06	821.44	816.01	5.43	151.352	
400.00	400.00	392.51	404.48	2.25	3.03	-47.34	556.34	-603.74	821.00	815.28	5.72	143.521	
500.00	500.00	496.89	508.84	2.56	3.05	-47.46	554.46	-604.13	820.04	814.04	6.00	136.582	
600.00	600.00	596.68	608.61	2.84	3.08	-47.57	552.56	-604.40	818.96	812.68	6.28	130.428	
696.95	696.95	685.04	696.96	3.10	3.11	-47.67	551.11	-605.00	818.38	811.85	6.53	125.235	
700.00	700.00	687.48	699.39	3.10	3.11	-47.67	551.07	-605.03	818.38	811.84	6.54	125.081	
800.00	800.00	775.00	786.89	3.34	3.13	-47.80	550.20	-606.71	819.13	812.34	6.79	120.586	
900.00	900.00	868.37	880.22	3.57	3.16	-47.94	550.03	-609.58	821.29	814.25	7.04	116.741	
1,000.00	1,000.00	969.51	981.30	3.79	3.19	-48.13	549.58	-613.13	823.60	816.32	7.28	113.208	
1,100.00	1,100.00	1,068.28	1,079.98	3.99	3.23	-48.35	548.77	-617.05	826.02	818.51	7.51	109.973	
1,200.00	1,200.00	1,166.56	1,178.16	4.19	3.27	-48.61	547.63	-621.34	828.52	820.78	7.74	106.995	
1,300.00	1,300.00	1,265.48	1,276.96	4.38	3.32	-48.88	546.43	-625.97	831.24	823.27	7.97	104.256	
1,400.00	1,400.00	1,378.16	1,389.53	4.56	3.38	-49.17	545.05	-630.79	833.72	825.51	8.20	101.623	
1,500.00	1,500.00	1,475.00	1,486.33	4.74	3.44	-49.34	544.05	-633.43	835.11	826.69	8.43	99.098	
1,600.00	1,599.98	1,571.85	1,583.13	5.00	3.50	55.58	543.51	-636.39	836.08	827.40	8.67	96.378	
1,700.00	1,699.84	1,680.47	1,691.72	5.26	3.54	55.85	543.78	-638.48	834.76	825.84	8.92	93.589	
1,800.00	1,799.45	1,778.18	1,789.42	5.54	3.56	56.43	544.79	-638.98	830.96	821.79	9.17	90.654	
1,900.00	1,898.70	1,869.48	1,880.72	5.83	3.60	57.15	545.69	-640.21	825.92	816.50	9.42	87.699	
2,000.00	1,997.47	1,968.59	1,979.80	6.15	3.66	58.11	546.59	-642.43	819.75	810.07	9.68	84.698	
2,100.00	2,095.62	2,085.21	2,096.40	6.48	3.70	59.59	547.26	-643.55	810.85	800.91	9.94	81.535	
2,200.00	2,193.06	2,186.31	2,197.49	6.84	3.68	61.29	547.88	-642.45	799.18	788.99	10.19	78.421	
2,300.00	2,289.64	2,301.69	2,312.83	7.21	3.66	63.66	548.32	-639.29	785.26	774.84	10.43	75.296	
2,375.00	2,361.46	2,389.89	2,400.88	7.45	3.66	65.85	547.89	-634.37	772.57	762.01	10.56	73.151	
2,400.00	2,385.30	2,415.96	2,426.89	7.52	3.66	66.49	547.68	-632.52	768.06	757.47	10.59	72.516	
2,475.00	2,456.83	2,483.37	2,494.11	7.76	3.66	68.17	547.05	-627.55	754.85	744.11	10.74	70.274	
2,500.00	2,480.68	2,500.00	2,510.71	7.83	3.66	66.96	546.94	-626.50	750.72	739.93	10.78	69.624	
2,600.00	2,576.09	2,567.78	2,578.45	8.20	3.66	61.99	546.97	-624.61	735.46	724.32	11.14	66.024	
2,665.27	2,638.36	2,628.45	2,639.12	8.42	3.66	59.07	547.26	-624.02	725.37	714.06	11.30	64.165	
2,700.00	2,671.48	2,661.50	2,672.17	8.53	3.66	59.78	547.43	-623.72	719.84	708.46	11.38	63.272	
2,800.00	2,766.85	2,756.45	2,767.11	8.91	3.66	61.89	547.91	-622.83	704.56	692.89	11.67	60.363	
2,900.00	2,862.23	2,852.27	2,862.93	9.31	3.67	64.09	548.21	-622.07	690.26	678.28	11.97	57.658	
3,000.00	2,957.60	2,946.20	2,956.85	9.72	3.69	66.32	548.70	-621.44	677.27	665.00	12.28	55.173	
3,100.00	3,052.97	3,040.95	3,051.60	10.14	3.70	68.64	549.17	-620.85	665.46	652.88	12.58	52.888	
3,200.00	3,148.34	3,135.34	3,145.99	10.56	3.73	71.03	549.73	-620.27	654.96	642.07	12.89	50.797	
3,300.00	3,243.71	3,231.09	3,241.74	10.99	3.75	73.50	550.20	-619.83	645.71	632.50	13.21	48.878	
3,400.00	3,339.08	3,326.61	3,337.26	11.43	3.78	76.03	550.65	-619.40	637.78	624.24	13.54	47.114	
3,500.00	3,434.45	3,421.59	3,432.23	11.88	3.82	78.59	551.13	-619.06	631.27	617.39	13.88	45.494	
3,600.00	3,529.82	3,518.00	3,528.65	12.33	3.86	81.24	551.54	-618.64	626.08	611.85	14.23	43.997	
3,700.00	3,625.20	3,613.16	3,623.80	12.79	3.90	83.87	551.83	-618.47	622.27	607.67	14.61	42.604	
3,800.00	3,720.57	3,708.01	3,718.65	13.25	3.95	86.49	552.12	-618.50	619.95	604.94	15.01	41.311	
3,900.00	3,815.94	3,802.44	3,813.08	13.71	4.01	89.10	552.49	-618.68	619.16	603.73	15.43	40.114	
3,904.45	3,820.18	3,806.56	3,817.20	13.73	4.01	89.22	552.51	-618.69	619.16	603.71	15.45	40.063	
4,000.00	3,911.31	3,896.38	3,907.02	14.18	4.06	91.68	553.04	-619.17	620.00	604.11	15.89	39.016	
4,100.00	4,006.68	3,990.89	4,001.53	14.65	4.12	94.24	553.81	-619.82	622.46	606.08	16.38	38.006	
4,200.00	4,102.05	4,088.51	4,099.14	15.12	4.19	96.85	554.59	-620.61	626.29	609.38	16.90	37.053	
4,300.00	4,197.42	4,184.19	4,194.80	15.60	4.25	99.35	555.17	-621.70	631.22	613.77	17.45	36.165	
4,400.00	4,292.79	4,281.71	4,292.32	16.07	4.32	101.83	555.67	-623.04	637.31	619.27	18.04	35.326	
4,500.00	4,388.17	4,378.21	4,388.81	16.55	4.38	104.26	555.92	-624.30	644.41	625.76	18.66	34.540	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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													
Ellipses													
No-Go													
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
4,600.00	4,483.54	4,475.10	4,485.69	17.04	4.45	106.67	556.15	-625.21	652.78	633.47	19.31	33.808	
4,700.00	4,578.91	4,573.43	4,584.01	17.52	4.52	109.03	556.00	-626.52	661.86	641.87	19.99	33.108	
4,800.00	4,674.28	4,664.52	4,675.08	18.01	4.59	111.09	556.07	-628.47	672.00	651.34	20.66	32.522	
4,900.00	4,769.65	4,759.98	4,770.43	18.49	4.66	112.98	557.72	-632.79	683.76	662.41	21.35	32.026	
5,000.00	4,865.02	4,857.41	4,867.75	18.98	4.74	114.84	559.29	-637.17	696.19	674.13	22.06	31.553	
5,100.00	4,960.39	4,955.34	4,965.57	19.47	4.82	116.66	560.77	-641.47	709.31	686.51	22.80	31.113	
5,200.00	5,055.77	5,057.25	5,067.37	19.96	4.91	118.50	561.67	-646.19	722.47	698.91	23.57	30.656	
5,300.00	5,151.14	5,155.13	5,165.14	20.45	4.99	120.20	562.17	-650.77	735.96	711.63	24.33	30.249	
5,400.00	5,246.51	5,253.75	5,263.66	20.95	5.08	121.88	562.30	-655.19	749.86	724.74	25.11	29.860	
5,500.00	5,341.88	5,350.29	5,360.11	21.44	5.16	123.51	562.02	-659.18	764.21	738.31	25.90	29.507	
5,600.00	5,437.25	5,448.10	5,457.85	21.94	5.24	125.12	561.59	-662.94	779.20	752.50	26.71	29.177	
5,700.00	5,532.62	5,543.44	5,553.12	22.43	5.33	126.64	561.15	-666.59	794.79	767.28	27.51	28.896	
5,800.00	5,627.99	5,641.53	5,651.15	22.93	5.41	128.16	560.43	-670.10	810.86	782.53	28.33	28.620	
5,900.00	5,723.36	5,739.31	5,748.87	23.43	5.50	129.64	559.44	-673.49	827.33	798.16	29.17	28.367	
6,000.00	5,818.74	5,836.56	5,846.05	23.93	5.58	131.07	558.24	-676.83	844.18	814.18	30.00	28.139	
6,100.00	5,914.11	5,933.41	5,942.84	24.43	5.66	132.46	556.75	-679.90	861.49	830.65	30.84	27.934	
6,200.00	6,009.48	6,029.15	6,038.52	24.93	5.75	133.79	555.18	-682.86	879.25	847.58	31.68	27.758	
6,273.43	6,079.51	6,099.84	6,109.16	25.29	5.81	134.74	553.95	-685.03	892.56	860.27	32.28	27.648	
6,300.00	6,104.89	6,126.93	6,136.23	25.41	5.83	135.16	553.44	-685.84	897.34	864.83	32.51	27.604	
6,400.00	6,201.02	6,221.68	6,230.93	25.93	5.91	136.52	551.67	-688.67	914.02	880.71	33.31	27.440	
6,500.00	6,298.06	6,319.96	6,329.16	26.42	6.00	137.70	549.83	-691.31	928.72	894.64	34.08	27.250	
6,600.00	6,395.88	6,417.38	6,426.50	26.91	6.09	138.58	549.00	-694.99	941.00	906.23	34.77	27.062	
6,700.00	6,494.37	6,514.93	6,523.96	27.37	6.19	139.21	549.01	-699.18	951.01	915.61	35.39	26.871	
6,800.00	6,593.40	6,616.63	6,625.57	27.82	6.29	139.69	548.84	-703.48	958.37	922.38	35.98	26.633	
6,900.00	6,692.85	6,714.92	6,723.77	28.24	6.40	140.01	548.26	-707.58	962.86	926.37	36.49	26.386	
7,000.00	6,792.60	6,794.01	6,802.71	28.62	6.48	139.99	550.64	-711.56	966.38	929.64	36.73	26.308	
7,100.00	6,892.54	6,901.09	6,909.55	28.94	6.58	139.73	554.84	-717.38	967.65	930.57	37.07	26.101	
7,148.46	6,941.00	6,954.20	6,962.56	29.00	6.64	47.24	556.36	-720.23	966.98	929.83	37.15	26.030	
7,200.00	6,992.54	7,008.90	7,017.17	29.00	6.70	47.07	557.61	-723.14	965.76	928.61	37.16	25.992	
7,300.00	7,092.54	7,124.05	7,132.10	29.03	6.82	46.72	559.22	-729.97	962.38	925.12	37.26	25.828	
7,400.00	7,192.54	7,226.21	7,234.01	29.05	6.93	46.37	560.44	-737.08	958.15	920.88	37.26	25.712	
7,500.00	7,292.54	7,330.56	7,338.11	29.08	7.04	46.06	560.76	-744.27	953.36	916.07	37.29	25.563	
7,600.00	7,392.54	7,429.32	7,436.66	29.10	7.15	45.79	560.73	-750.78	948.60	911.31	37.29	25.436	
7,700.00	7,492.54	7,521.62	7,528.80	29.13	7.25	45.57	560.57	-756.15	944.32	907.07	37.26	25.347	
7,800.00	7,592.54	7,600.00	7,607.06	29.15	7.34	45.36	561.43	-760.25	941.41	904.31	37.11	25.371	
7,832.06	7,624.60	7,617.57	7,624.60	29.16	7.36	45.29	562.20	-761.09	941.25	904.26	36.99	25.446	
7,900.00	7,692.54	7,679.65	7,686.54	29.18	7.42	45.04	565.26	-763.80	941.50	904.57	36.93	25.496	
8,000.00	7,792.54	7,772.73	7,779.46	29.20	7.51	44.71	569.74	-767.10	942.43	905.57	36.85	25.572	
8,100.00	7,892.54	7,871.77	7,878.31	29.23	7.60	44.35	574.85	-770.24	943.88	907.05	36.83	25.630	
8,200.00	7,992.54	7,975.17	7,981.58	29.26	7.70	44.05	579.36	-772.81	945.28	908.43	36.85	25.653	
8,300.00	8,092.54	8,078.04	8,084.33	29.28	7.80	43.76	583.48	-775.50	946.35	909.48	36.87	25.668	
8,400.00	8,192.54	8,185.09	8,191.29	29.31	7.91	43.49	586.88	-778.31	946.84	909.90	36.93	25.638	
8,500.00	8,292.54	8,289.52	8,295.66	29.34	8.02	43.28	589.19	-780.96	946.70	909.72	36.99	25.597	
8,600.00	8,392.54	8,386.71	8,392.81	29.36	8.13	43.11	591.04	-783.15	946.54	909.55	36.99	25.588	
8,645.97	8,438.51	8,432.43	8,438.51	29.38	8.17	43.03	591.96	-784.15	946.53	909.53	37.00	25.580	
8,700.00	8,492.54	8,486.34	8,492.39	29.39	8.23	42.93	593.07	-785.30	946.57	909.55	37.02	25.571	
8,800.00	8,592.54	8,598.26	8,604.27	29.42	8.36	42.77	594.56	-787.60	946.17	909.02	37.14	25.474	
8,900.00	8,692.54	8,700.00	8,706.00	29.45	8.47	42.70	594.29	-789.36	944.80	907.58	37.22	25.384	
9,000.00	8,792.54	8,803.30	8,809.29	29.47	8.57	42.65	593.55	-791.07	943.14	905.82	37.32	25.273	
9,100.00	8,892.54	8,908.60	8,914.56	29.50	8.68	42.60	592.53	-793.27	941.01	903.59	37.43	25.142	
9,200.00	8,992.54	9,751.97	9,636.43	29.53	9.54	49.77	307.41	-948.42	901.39	860.65	40.74	22.126	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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												
Toolface												
Offset Wellbore Centre												
Distance												
Between												
Centres												
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
9,300.00	9,092.54	10,287.83	9,825.75	29.56	11.71	98.89	-155.25	-1,076.64	815.80	773.91	41.89	19.476
9,400.00	9,192.54	10,286.73	9,825.77	29.59	11.70	98.71	-154.16	-1,076.49	727.24	684.57	42.67	17.043
9,493.01	9,285.55	10,285.80	9,825.77	29.61	11.70	98.56	-153.23	-1,076.37	647.87	604.38	43.48	14.899
9,500.00	9,292.54	10,285.68	9,825.78	29.61	11.70	98.78	-153.12	-1,076.35	642.06	598.08	43.97	14.601
9,525.00	9,317.51	10,284.47	9,825.79	29.62	11.69	102.82	-151.92	-1,076.19	621.55	577.34	44.21	14.060
9,550.00	9,342.40	10,282.06	9,825.81	29.62	11.68	106.33	-149.53	-1,075.86	601.55	557.11	44.44	13.537
9,575.00	9,367.13	10,278.48	9,825.84	29.62	11.66	109.31	-145.98	-1,075.37	582.15	537.48	44.67	13.033
9,600.00	9,391.64	10,273.79	9,825.86	29.62	11.63	111.80	-141.34	-1,074.70	563.45	518.55	44.89	12.551
9,625.00	9,415.86	10,268.03	9,825.88	29.62	11.60	113.84	-135.64	-1,073.87	545.54	500.43	45.11	12.093
9,650.00	9,439.72	10,261.25	9,825.89	29.62	11.57	115.48	-128.94	-1,072.86	528.51	483.20	45.32	11.662
9,675.00	9,463.16	10,253.49	9,825.87	29.63	11.53	116.74	-121.28	-1,071.66	512.47	466.95	45.51	11.260
9,700.00	9,486.11	10,244.82	9,825.81	29.63	11.49	117.66	-112.72	-1,070.26	497.48	451.80	45.69	10.889
9,725.00	9,508.52	10,235.28	9,825.71	29.63	11.44	118.27	-103.31	-1,068.66	483.65	437.81	45.84	10.552
9,750.00	9,530.31	10,224.91	9,825.56	29.63	11.38	118.61	-93.10	-1,066.85	471.03	425.07	45.96	10.249
9,775.00	9,551.43	10,213.77	9,825.35	29.63	11.33	118.68	-82.15	-1,064.82	459.71	413.66	46.05	9.984
9,800.00	9,571.82	10,200.84	9,825.02	29.64	11.26	118.41	-69.46	-1,062.35	449.73	403.62	46.11	9.754
9,825.00	9,591.42	10,185.61	9,824.33	29.64	11.19	117.73	-54.56	-1,059.26	441.07	394.92	46.14	9.559
9,850.00	9,610.19	10,170.38	9,823.28	29.65	11.11	116.91	-39.74	-1,055.98	433.75	387.62	46.13	9.402
9,875.00	9,628.07	10,155.18	9,821.86	29.65	11.04	115.96	-25.00	-1,052.51	427.81	381.74	46.07	9.286
9,900.00	9,645.01	10,140.01	9,820.10	29.66	10.97	114.87	-10.39	-1,048.87	423.28	377.32	45.96	9.210
9,925.00	9,660.96	10,124.89	9,817.98	29.66	10.89	113.65	4.10	-1,045.05	420.16	374.36	45.80	9.175 SF
9,950.00	9,675.89	10,109.49	9,815.45	29.67	10.82	112.27	18.73	-1,040.98	418.43	372.85	45.59	9.179
9,970.19	9,687.17	10,095.79	9,812.81	29.68	10.76	110.94	31.64	-1,037.23	418.01	372.62	45.40	9.208 CC, ES
9,975.00	9,689.74	10,092.58	9,812.13	29.68	10.74	110.61	34.64	-1,036.33	418.04	372.69	45.35	9.219
10,000.00	9,702.49	10,076.26	9,808.30	29.69	10.67	108.88	49.81	-1,031.67	418.92	373.86	45.06	9.298
10,025.00	9,714.10	10,059.50	9,803.76	29.70	10.59	106.98	65.16	-1,026.73	421.05	376.31	44.73	9.412
10,050.00	9,724.53	10,038.80	9,797.23	29.72	10.50	104.58	83.83	-1,020.60	424.23	379.82	44.42	9.551
10,075.00	9,733.75	10,020.20	9,790.51	29.73	10.42	102.29	100.28	-1,015.15	428.36	384.31	44.05	9.725
10,100.00	9,741.75	9,994.41	9,779.98	29.75	10.32	99.23	122.65	-1,007.82	433.29	389.58	43.71	9.913
10,125.00	9,748.50	9,969.42	9,768.67	29.76	10.21	96.22	143.93	-1,001.19	438.79	395.45	43.34	10.124
10,150.00	9,753.98	9,948.55	9,758.40	29.78	10.14	93.58	161.33	-995.98	444.85	401.91	42.94	10.360
10,175.00	9,758.17	9,928.21	9,747.67	29.80	10.06	90.95	177.92	-991.13	451.48	408.95	42.53	10.615
10,200.00	9,761.07	9,910.58	9,737.84	29.83	10.00	88.56	191.97	-987.09	458.64	416.51	42.12	10.889
10,225.00	9,762.67	9,893.98	9,728.25	29.85	9.95	86.26	204.99	-983.31	466.33	424.60	41.72	11.177
10,240.81	9,763.00	9,883.44	9,722.01	29.87	9.91	84.81	213.14	-980.91	471.42	429.95	41.48	11.366
10,300.00	9,763.27	9,851.20	9,702.11	29.94	9.81	82.38	237.40	-973.50	492.45	451.90	40.55	12.144
10,400.00	9,763.73	9,796.63	9,666.07	30.08	9.65	78.23	276.11	-960.11	535.49	496.46	39.03	13.720
10,500.00	9,764.19	9,738.29	9,627.56	30.24	9.50	74.21	317.06	-944.55	585.42	547.66	37.75	15.506
10,600.00	9,764.65	9,685.00	9,593.58	30.43	9.37	71.06	354.83	-928.45	640.66	603.93	36.73	17.441
10,700.00	9,765.11	9,629.20	9,558.11	30.64	9.26	68.14	393.85	-910.21	700.24	664.29	35.95	19.477
10,800.00	9,765.57	9,590.00	9,532.80	30.87	9.19	66.27	420.48	-896.56	764.07	728.83	35.24	21.683
10,900.00	9,766.03	9,543.00	9,501.51	31.13	9.11	64.16	451.16	-879.56	831.61	796.89	34.72	23.950
11,000.00	9,766.49	9,496.00	9,468.43	31.40	9.05	62.08	480.11	-862.96	902.39	868.08	34.31	26.298
11,100.00	9,766.94	9,472.44	9,450.91	31.70	9.02	61.01	493.79	-855.16	975.89	942.02	33.87	28.815

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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		
0.00	0.00	0.00	14.50	0.00	3.00	-35.42	761.50	-541.50	934.51					
100.00	100.00	85.50	100.00	0.77	3.00	-35.42	761.50	-541.50	934.40	929.60	4.80	194.712		
200.00	200.00	185.50	200.00	1.44	3.00	-35.42	761.50	-541.50	934.40	929.28	5.12	182.398		
300.00	300.00	285.50	300.00	1.88	3.01	-35.42	761.50	-541.50	934.40	928.97	5.43	171.968		
400.00	400.00	385.50	400.00	2.25	3.03	-35.42	761.50	-541.50	934.40	928.67	5.73	162.978		
500.00	500.00	485.50	500.00	2.56	3.05	-35.42	761.50	-541.50	934.40	928.38	6.02	155.119		
600.00	600.00	585.50	600.00	2.84	3.08	-35.42	761.50	-541.50	934.40	928.09	6.31	148.167		
700.00	700.00	685.50	700.00	3.10	3.11	-35.42	761.50	-541.50	934.40	927.82	6.58	141.957		
800.00	800.00	785.50	800.00	3.34	3.15	-35.42	761.50	-541.50	934.40	927.55	6.85	136.364		
900.00	900.00	885.50	900.00	3.57	3.19	-35.42	761.50	-541.50	934.40	927.28	7.12	131.290		
1,000.00	1,000.00	985.50	1,000.00	3.79	3.24	-35.42	761.50	-541.50	934.40	927.02	7.38	126.658		
1,100.00	1,100.00	1,085.50	1,100.00	3.99	3.29	-35.42	761.50	-541.50	934.40	926.77	7.63	122.408		
1,200.00	1,200.00	1,185.50	1,200.00	4.19	3.35	-35.42	761.50	-541.50	934.40	926.51	7.89	118.488		
1,300.00	1,300.00	1,285.50	1,300.00	4.38	3.41	-35.42	761.50	-541.50	934.40	926.27	8.14	114.858		
1,400.00	1,400.00	1,385.50	1,400.00	4.56	3.47	-35.42	761.50	-541.50	934.40	926.02	8.38	111.483		
1,500.00	1,500.00	1,485.50	1,500.00	4.74	3.54	-35.42	761.50	-541.50	934.40	925.78	8.63	108.335		
1,600.00	1,599.98	1,585.48	1,599.98	5.00	3.61	69.70	761.50	-541.50	933.79	924.92	8.87	105.283		
1,700.00	1,699.84	1,685.34	1,699.84	5.26	3.68	70.03	761.50	-541.50	931.99	922.89	9.10	102.382		
1,800.00	1,799.45	1,784.95	1,799.45	5.54	3.76	70.59	761.50	-541.50	929.04	919.70	9.34	99.473		
1,900.00	1,898.70	1,884.20	1,898.70	5.83	3.84	71.37	761.50	-541.50	925.04	915.46	9.58	96.559		
2,000.00	1,997.47	1,982.97	1,997.47	6.15	3.93	72.38	761.50	-541.50	920.12	910.30	9.83	93.649		
2,100.00	2,095.62	2,081.12	2,095.62	6.48	4.01	73.61	761.50	-541.50	914.45	904.37	10.08	90.751		
2,200.00	2,193.06	2,178.56	2,193.06	6.84	4.10	75.06	761.50	-541.50	908.22	897.89	10.34	87.872		
2,300.00	2,289.64	2,275.14	2,289.64	7.21	4.18	76.72	761.50	-541.50	901.71	891.10	10.61	85.018		
2,375.00	2,361.46	2,346.96	2,361.46	7.45	4.25	78.11	761.50	-541.50	896.80	886.01	10.78	83.159		
2,400.00	2,385.30	2,370.80	2,385.30	7.52	4.27	78.56	761.50	-541.50	895.21	884.38	10.83	82.653		
2,475.00	2,456.83	2,442.33	2,456.83	7.76	4.34	79.92	761.50	-541.50	890.80	879.77	11.03	80.784		
2,500.00	2,480.68	2,466.18	2,480.68	7.83	4.36	78.78	761.50	-541.50	889.35	878.27	11.08	80.274		
2,600.00	2,576.09	2,570.09	2,584.58	8.20	4.44	74.38	761.50	-540.64	881.74	870.27	11.47	76.871		
2,665.27	2,638.36	2,639.77	2,654.21	8.42	4.47	71.66	761.50	-538.09	874.82	863.19	11.63	75.198		
2,700.00	2,671.48	2,676.34	2,690.73	8.53	4.48	72.47	761.50	-536.07	870.74	859.04	11.70	74.430		
2,800.00	2,766.85	2,776.78	2,790.86	8.91	4.52	74.87	761.50	-528.26	859.17	847.19	11.98	71.708		
2,900.00	2,862.23	2,869.17	2,882.90	9.31	4.55	77.18	761.50	-520.21	848.85	836.57	12.28	69.108		
3,000.00	2,957.60	2,961.56	2,974.94	9.72	4.59	79.53	761.50	-512.16	840.15	827.55	12.60	66.679		
3,100.00	3,052.97	3,053.95	3,066.98	10.14	4.63	81.93	761.50	-504.11	833.12	820.18	12.93	64.411		
3,200.00	3,148.34	3,146.34	3,159.02	10.56	4.67	84.35	761.50	-496.06	827.79	814.51	13.29	62.297		
3,300.00	3,243.71	3,238.73	3,251.05	10.99	4.72	86.79	761.50	-488.00	824.22	810.55	13.66	60.328		
3,400.00	3,339.08	3,331.12	3,343.09	11.43	4.76	89.25	761.50	-479.95	822.41	808.35	14.06	58.494		
3,451.83	3,388.52	3,379.01	3,390.80	11.67	4.79	90.53	761.50	-475.78	822.17	807.89	14.28	57.591 CC, ES		
3,500.00	3,434.45	3,423.51	3,435.13	11.88	4.82	91.72	761.50	-471.90	822.37	807.89	14.48	56.786		
3,600.00	3,529.82	3,515.90	3,527.17	12.33	4.87	94.17	761.50	-463.85	824.12	809.19	14.93	55.197		
3,700.00	3,625.20	3,608.29	3,619.21	12.79	4.93	96.62	761.50	-455.79	827.63	812.23	15.41	53.720		
3,800.00	3,720.57	3,700.68	3,711.24	13.25	4.98	99.04	761.50	-447.74	832.89	816.98	15.91	52.348		
3,900.00	3,815.94	3,793.07	3,803.28	13.71	5.05	101.44	761.50	-439.69	839.86	823.42	16.44	51.077		
4,000.00	3,911.31	3,885.46	3,895.32	14.18	5.11	103.79	761.50	-431.64	848.50	831.50	17.00	49.904		
4,100.00	4,006.68	3,977.85	3,987.36	14.65	5.17	106.10	761.50	-423.58	858.76	841.17	17.59	48.824		
4,200.00	4,102.05	4,070.24	4,079.40	15.12	5.24	108.36	761.50	-415.53	870.58	852.38	18.20	47.833		
4,300.00	4,197.42	4,162.63	4,171.43	15.60	5.31	110.57	761.50	-407.48	883.90	865.07	18.83	46.930		
4,400.00	4,292.79	4,255.02	4,263.47	16.07	5.38	112.71	761.50	-399.43	898.66	879.17	19.49	46.109		
4,500.00	4,388.17	4,347.41	4,355.51	16.55	5.46	114.79	761.50	-391.38	914.78	894.61	20.16	45.367		
4,600.00	4,483.54	4,439.80	4,447.55	17.04	5.53	116.80	761.50	-383.32	932.19	911.33	20.85	44.699		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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
Reference	Offset												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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning	
4,700.00	4,578.91	4,532.18	4,539.59	17.52	5.61	118.75	761.50	-375.27	950.82	929.26	21.56	44.101		
4,800.00	4,674.28	4,624.57	4,631.62	18.01	5.69	120.63	761.50	-367.22	970.61	948.33	22.28	43.570		
4,900.00	4,769.65	4,716.96	4,723.66	18.49	5.77	122.44	761.50	-359.17	991.47	968.47	23.00	43.099 SF		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	
0.00	0.00	0.00	14.60	0.00	3.00	-36.89	761.30	-571.40	951.99				
100.00	100.00	85.40	100.00	0.77	3.00	-36.89	761.30	-571.40	951.88	947.08	4.80	198.355	
200.00	200.00	185.40	200.00	1.44	3.00	-36.89	761.30	-571.40	951.88	946.76	5.12	185.814	
300.00	300.00	285.40	300.00	1.88	3.01	-36.89	761.30	-571.40	951.88	946.45	5.43	175.194	
400.00	400.00	385.40	400.00	2.25	3.03	-36.89	761.30	-571.40	951.88	946.15	5.73	166.044	
500.00	500.00	485.40	500.00	2.56	3.05	-36.89	761.30	-571.40	951.88	945.86	6.02	158.046	
600.00	600.00	585.40	600.00	2.84	3.08	-36.89	761.30	-571.40	951.88	945.58	6.30	150.973	
700.00	700.00	685.40	700.00	3.10	3.11	-36.89	761.30	-571.40	951.88	945.30	6.58	144.655	
800.00	800.00	785.40	800.00	3.34	3.15	-36.89	761.30	-571.40	951.88	945.03	6.85	138.965	
900.00	900.00	885.40	900.00	3.57	3.19	-36.89	761.30	-571.40	951.88	944.77	7.11	133.804	
1,000.00	1,000.00	985.40	1,000.00	3.79	3.24	-36.89	761.30	-571.40	951.88	944.51	7.37	129.093	
1,100.00	1,100.00	1,085.40	1,100.00	3.99	3.29	-36.89	761.30	-571.40	951.88	944.25	7.63	124.769	
1,200.00	1,200.00	1,185.40	1,200.00	4.19	3.35	-36.89	761.30	-571.40	951.88	944.00	7.88	120.783	
1,300.00	1,300.00	1,285.40	1,300.00	4.38	3.41	-36.89	761.30	-571.40	951.88	943.75	8.13	117.091	
1,400.00	1,400.00	1,385.40	1,400.00	4.56	3.47	-36.89	761.30	-571.40	951.88	943.51	8.37	113.658	
1,500.00	1,500.00	1,485.40	1,500.00	4.74	3.54	-36.89	761.30	-571.40	951.88	943.26	8.62	110.457	
1,600.00	1,599.98	1,585.38	1,599.98	5.00	3.61	68.22	761.30	-571.40	951.23	942.37	8.86	107.325	
1,700.00	1,699.84	1,685.24	1,699.84	5.26	3.68	68.55	761.30	-571.40	949.30	940.20	9.10	104.339	
1,800.00	1,799.45	1,784.85	1,799.45	5.54	3.76	69.10	761.30	-571.40	946.14	936.80	9.34	101.337	
1,900.00	1,898.70	1,884.10	1,898.70	5.83	3.84	69.87	761.30	-571.40	941.84	932.26	9.58	98.324	
2,000.00	1,997.47	1,982.87	1,997.47	6.15	3.93	70.85	761.30	-571.40	936.52	926.70	9.83	95.306	
2,100.00	2,095.62	2,081.02	2,095.62	6.48	4.01	72.06	761.30	-571.40	930.36	920.28	10.08	92.296	
2,200.00	2,193.06	2,178.46	2,193.06	6.84	4.10	73.49	761.30	-571.40	923.54	913.19	10.34	89.302	
2,300.00	2,289.64	2,275.04	2,289.64	7.21	4.18	75.13	761.30	-571.40	916.31	905.70	10.61	86.331	
2,375.00	2,361.46	2,346.86	2,361.46	7.45	4.25	76.50	761.30	-571.40	910.79	900.00	10.79	84.391	
2,400.00	2,385.30	2,370.70	2,385.30	7.52	4.27	76.94	761.30	-571.40	908.99	898.15	10.84	83.860	
2,475.00	2,456.83	2,442.23	2,456.83	7.76	4.34	78.27	761.30	-571.40	903.92	892.89	11.03	81.915	
2,500.00	2,480.68	2,466.08	2,480.68	7.83	4.36	77.13	761.30	-571.40	902.25	891.17	11.09	81.381	
2,600.00	2,576.09	2,561.49	2,576.09	8.20	4.46	72.47	761.30	-571.40	894.06	882.57	11.49	77.788	
2,665.27	2,638.36	2,623.76	2,638.36	8.42	4.52	69.44	761.30	-571.40	887.40	875.71	11.69	75.911	
2,700.00	2,671.48	2,656.88	2,671.48	8.53	4.55	70.04	761.30	-571.40	883.63	871.85	11.78	75.024	
2,800.00	2,766.85	2,752.25	2,766.85	8.91	4.64	71.82	761.30	-571.40	873.39	861.26	12.12	72.045	
2,900.00	2,862.23	2,847.63	2,862.23	9.31	4.74	73.64	761.30	-571.40	864.06	851.59	12.48	69.250	
3,000.00	2,957.60	2,943.00	2,957.60	9.72	4.84	75.48	761.30	-571.40	855.70	842.86	12.84	66.635	
3,100.00	3,052.97	3,038.37	3,052.97	10.14	4.94	77.36	761.30	-571.40	848.31	835.10	13.21	64.194	
3,200.00	3,148.34	3,133.74	3,148.34	10.56	5.04	79.27	761.30	-571.40	841.94	828.34	13.60	61.918	
3,300.00	3,243.71	3,229.11	3,243.71	10.99	5.14	81.20	761.30	-571.40	836.60	822.61	13.99	59.798	
3,400.00	3,339.08	3,324.48	3,339.08	11.43	5.24	83.16	761.30	-571.40	832.32	817.92	14.39	57.825	
3,500.00	3,434.45	3,419.85	3,434.45	11.88	5.35	85.13	761.30	-571.40	829.10	814.29	14.81	55.988	
3,600.00	3,529.82	3,515.22	3,529.82	12.33	5.45	87.11	761.30	-571.40	826.96	811.73	15.24	54.277	
3,700.00	3,625.20	3,610.60	3,625.20	12.79	5.56	89.09	761.30	-571.40	825.92	810.24	15.68	52.683	
3,745.52	3,668.61	3,654.01	3,668.61	13.00	5.60	90.00	761.30	-571.40	825.81	809.92	15.88	51.992 CC	
3,800.00	3,720.57	3,705.97	3,720.57	13.25	5.66	91.08	761.30	-571.40	825.97	809.84	16.13	51.196 ES	
3,900.00	3,815.94	3,801.34	3,815.94	13.71	5.77	93.07	761.30	-571.40	827.11	810.51	16.61	49.809	
4,000.00	3,911.31	3,896.71	3,911.31	14.18	5.88	95.05	761.30	-571.40	829.34	812.25	17.09	48.514	
4,100.00	4,006.68	3,992.08	4,006.68	14.65	5.99	97.02	761.30	-571.40	832.66	815.06	17.60	47.305	
4,200.00	4,102.05	4,087.45	4,102.05	15.12	6.10	98.97	761.30	-571.40	837.04	818.91	18.13	46.176	
4,300.00	4,197.42	4,182.82	4,197.42	15.60	6.21	100.90	761.30	-571.40	842.47	823.80	18.67	45.122	
4,400.00	4,292.79	4,278.19	4,292.79	16.07	6.32	102.81	761.30	-571.40	848.94	829.70	19.23	44.138	
4,500.00	4,388.17	4,373.57	4,388.17	16.55	6.43	104.68	761.30	-571.40	856.41	836.59	19.81	43.221	
4,600.00	4,483.54	4,468.94	4,483.54	17.04	6.54	106.53	761.30	-571.40	864.86	844.45	20.41	42.366	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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)			
4,700.00	4,578.91	4,564.31	4,578.91	17.52	6.65	108.34	761.30	-571.40	874.27	853.24	21.03	41.571	
4,800.00	4,674.28	4,659.68	4,674.28	18.01	6.76	110.11	761.30	-571.40	884.60	862.93	21.66	40.833	
4,900.00	4,769.65	4,755.05	4,769.65	18.49	6.88	111.85	761.30	-571.40	895.82	873.50	22.31	40.147	
5,000.00	4,865.02	4,850.42	4,865.02	18.98	6.99	113.54	761.30	-571.40	907.89	884.92	22.98	39.513	
5,100.00	4,960.39	4,945.79	4,960.39	19.47	7.10	115.19	761.30	-571.40	920.79	897.14	23.65	38.926	
5,200.00	5,055.77	5,041.17	5,055.77	19.96	7.22	116.80	761.30	-571.40	934.49	910.14	24.34	38.385	
5,300.00	5,151.14	5,136.54	5,151.14	20.45	7.33	118.36	761.30	-571.40	948.93	923.89	25.05	37.887	
5,400.00	5,246.51	5,231.91	5,246.51	20.95	7.45	119.88	761.30	-571.40	964.10	938.35	25.76	37.429	
5,500.00	5,341.88	5,327.28	5,341.88	21.44	7.56	121.35	761.30	-571.40	979.96	953.48	26.48	37.009	
5,600.00	5,437.25	5,422.65	5,437.25	21.94	7.68	122.78	761.30	-571.40	996.47	969.27	27.21	36.625 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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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						Rule Assigned:						Offset Well Error:		3.00 usft
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Semi Major Axis	Highside Toolface	Offset Wellbore Centre		Distance		No-Go Distance	Separation Factor	Warning			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)					
0.00	0.00	0.00	15.00	0.00	3.00	-38.31	761.10	-601.40	970.14							
100.00	100.00	85.00	100.00	0.77	3.00	-38.31	761.10	-601.40	970.03	965.23	4.80	202.137				
200.00	200.00	185.00	200.00	1.44	3.00	-38.31	761.10	-601.40	970.03	964.91	5.12	189.361				
300.00	300.00	285.00	300.00	1.88	3.01	-38.31	761.10	-601.40	970.03	964.60	5.43	178.545				
400.00	400.00	385.00	400.00	2.25	3.03	-38.31	761.10	-601.40	970.03	964.30	5.73	169.228				
500.00	500.00	485.00	500.00	2.56	3.05	-38.31	761.10	-601.40	970.03	964.01	6.02	161.086				
600.00	600.00	585.00	600.00	2.84	3.08	-38.31	761.10	-601.40	970.03	963.72	6.30	153.886				
700.00	700.00	685.00	700.00	3.10	3.11	-38.31	761.10	-601.40	970.03	963.45	6.58	147.456				
800.00	800.00	785.00	800.00	3.34	3.15	-38.31	761.10	-601.40	970.03	963.18	6.85	141.665				
900.00	900.00	885.00	900.00	3.57	3.19	-38.31	761.10	-601.40	970.03	962.92	7.11	136.413				
1,000.00	1,000.00	985.00	1,000.00	3.79	3.24	-38.31	761.10	-601.40	970.03	962.66	7.37	131.620				
1,100.00	1,100.00	1,085.00	1,100.00	3.99	3.29	-38.31	761.10	-601.40	970.03	962.40	7.62	127.221				
1,200.00	1,200.00	1,185.00	1,200.00	4.19	3.34	-38.31	761.10	-601.40	970.03	962.15	7.88	123.164				
1,300.00	1,300.00	1,285.00	1,300.00	4.38	3.41	-38.31	761.10	-601.40	970.03	961.90	8.12	119.408				
1,400.00	1,400.00	1,385.00	1,400.00	4.56	3.47	-38.31	761.10	-601.40	970.03	961.66	8.37	115.916				
1,500.00	1,500.00	1,485.00	1,500.00	4.74	3.54	-38.31	761.10	-601.40	970.03	961.42	8.61	112.659				
1,600.00	1,599.98	1,584.98	1,599.98	5.00	3.61	66.79	761.10	-601.40	969.34	960.48	8.86	109.443				
1,700.00	1,699.84	1,684.84	1,699.84	5.26	3.68	67.11	761.10	-601.40	967.29	958.19	9.09	106.370				
1,800.00	1,799.45	1,784.45	1,799.45	5.54	3.76	67.65	761.10	-601.40	963.92	954.59	9.33	103.274				
1,900.00	1,898.70	1,883.70	1,898.70	5.83	3.84	68.41	761.10	-601.40	959.34	949.76	9.58	100.157				
2,000.00	1,997.47	1,982.47	1,997.47	6.15	3.92	69.38	761.10	-601.40	953.64	943.81	9.83	97.031				
2,100.00	2,095.62	2,080.62	2,095.62	6.48	4.01	70.57	761.10	-601.40	947.00	936.91	10.08	93.907				
2,200.00	2,193.06	2,178.06	2,193.06	6.84	4.10	71.97	761.10	-601.40	939.60	929.26	10.35	90.795				
2,300.00	2,289.64	2,274.64	2,289.64	7.21	4.18	73.59	761.10	-601.40	931.70	921.07	10.62	87.705				
2,375.00	2,361.46	2,346.46	2,361.46	7.45	4.25	74.94	761.10	-601.40	925.60	914.79	10.80	85.683				
2,400.00	2,385.30	2,370.30	2,385.30	7.52	4.27	75.37	761.10	-601.40	923.58	912.73	10.85	85.127				
2,475.00	2,456.83	2,441.83	2,456.83	7.76	4.34	76.67	761.10	-601.40	917.89	906.84	11.05	83.103				
2,500.00	2,480.68	2,465.68	2,480.68	7.83	4.36	75.52	761.10	-601.40	916.00	904.90	11.10	82.545				
2,600.00	2,576.09	2,561.09	2,576.09	8.20	4.46	70.81	761.10	-601.40	906.96	895.46	11.50	78.852				
2,665.27	2,638.36	2,623.36	2,638.36	8.42	4.52	67.74	761.10	-601.40	899.75	888.05	11.70	76.908				
2,700.00	2,671.48	2,656.48	2,671.48	8.53	4.55	68.33	761.10	-601.40	895.68	883.89	11.79	75.986				
2,800.00	2,766.85	2,751.85	2,766.85	8.91	4.64	70.07	761.10	-601.40	884.55	872.42	12.13	72.908				
2,900.00	2,862.23	2,847.23	2,862.23	9.31	4.74	71.85	761.10	-601.40	874.32	861.83	12.49	70.019				
3,000.00	2,957.60	2,942.60	2,957.60	9.72	4.84	73.66	761.10	-601.40	865.01	852.16	12.85	67.316				
3,100.00	3,052.97	3,037.97	3,052.97	10.14	4.94	75.51	761.10	-601.40	856.65	843.43	13.22	64.793				
3,200.00	3,148.34	3,133.34	3,148.34	10.56	5.04	77.38	761.10	-601.40	849.28	835.68	13.60	62.441				
3,300.00	3,243.71	3,228.71	3,243.71	10.99	5.14	79.29	761.10	-601.40	842.92	828.93	13.99	60.252				
3,400.00	3,339.08	3,324.08	3,339.08	11.43	5.24	81.22	761.10	-601.40	837.59	823.20	14.39	58.215				
3,500.00	3,434.45	3,419.45	3,434.45	11.88	5.35	83.17	761.10	-601.40	833.31	818.52	14.80	56.320				
3,600.00	3,529.82	3,514.82	3,529.82	12.33	5.45	85.14	761.10	-601.40	830.10	814.89	15.22	54.556				
3,700.00	3,625.20	3,610.20	3,625.20	12.79	5.56	87.12	761.10	-601.40	827.97	812.33	15.65	52.913				
3,800.00	3,720.57	3,705.57	3,720.57	13.25	5.66	89.10	761.10	-601.40	826.93	810.84	16.09	51.382				
3,845.22	3,763.69	3,748.69	3,763.69	13.46	5.71	90.00	761.10	-601.40	826.82	810.52	16.30	50.722				
3,900.00	3,815.94	3,800.94	3,815.94	13.71	5.77	91.09	761.10	-601.40	826.99	810.43	16.56	49.953				
4,000.00	3,911.31	3,896.31	3,911.31	14.18	5.88	93.07	761.10	-601.40	828.13	811.10	17.03	48.621				
4,100.00	4,006.68	3,991.68	4,006.68	14.65	5.99	95.05	761.10	-601.40	830.36	812.84	17.53	47.376				
4,200.00	4,102.05	4,087.05	4,102.05	15.12	6.10	97.02	761.10	-601.40	833.68	815.64	18.04	46.213				
4,300.00	4,197.42	4,182.42	4,197.42	15.60	6.20	98.96	761.10	-601.40	838.06	819.48	18.57	45.127				
4,400.00	4,292.79	4,277.79	4,292.79	16.07	6.32	100.89	761.10	-601.40	843.48	824.36	19.12	44.113				
4,500.00	4,388.17	4,373.17	4,388.17	16.55	6.43	102.80	761.10	-601.40	849.94	830.25	19.69	43.166				
4,600.00	4,483.54	4,468.54	4,483.54	17.04	6.54	104.67	761.10	-601.40	857.41	837.13	20.28	42.283				

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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						Rule Assigned:					Offset Well Error:	3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
4,700.00	4,578.91	4,563.91	4,578.91	17.52	6.65	106.51	761.10	-601.40	865.86	844.97	20.88	41.461		
4,800.00	4,674.28	4,659.28	4,674.28	18.01	6.76	108.32	761.10	-601.40	875.25	853.75	21.51	40.695		
4,900.00	4,769.65	4,754.65	4,769.65	18.49	6.87	110.10	761.10	-601.40	885.58	863.43	22.15	39.984		
5,000.00	4,865.02	4,850.02	4,865.02	18.98	6.99	111.83	761.10	-601.40	896.79	873.98	22.80	39.325		
5,100.00	4,960.39	4,945.39	4,960.39	19.47	7.10	113.52	761.10	-601.40	908.85	885.38	23.48	38.715		
5,200.00	5,055.77	5,040.77	5,055.77	19.96	7.22	115.17	761.10	-601.40	921.74	897.58	24.16	38.151		
5,300.00	5,151.14	5,136.14	5,151.14	20.45	7.33	116.78	761.10	-601.40	935.43	910.57	24.86	37.632		
5,400.00	5,246.51	5,231.51	5,246.51	20.95	7.45	118.34	761.10	-601.40	949.86	924.30	25.57	37.154		
5,500.00	5,341.88	5,326.88	5,341.88	21.44	7.56	119.86	761.10	-601.40	965.02	938.73	26.28	36.715		
5,600.00	5,437.25	5,422.25	5,437.25	21.94	7.68	121.33	761.10	-601.40	980.86	953.85	27.01	36.313		
5,700.00	5,532.62	5,519.58	5,534.58	22.43	7.79	122.78	761.12	-601.46	997.35	969.59	27.75	35.934		
9,800.00	9,571.82	9,594.04	9,594.10	29.64	11.23	35.17	850.63	-935.54	987.37	951.74	35.63	27.713		
9,825.00	9,591.42	9,613.90	9,613.88	29.64	11.25	36.76	851.08	-937.22	973.38	937.65	35.73	27.244		
9,850.00	9,610.19	9,632.94	9,632.85	29.65	11.27	38.57	851.51	-938.82	958.57	922.73	35.84	26.747		
9,875.00	9,628.07	9,651.12	9,650.96	29.65	11.29	40.61	851.92	-940.35	943.00	907.04	35.96	26.224		
9,900.00	9,645.01	9,668.39	9,668.16	29.66	11.31	42.90	852.31	-941.80	926.73	890.63	36.09	25.677		
9,925.00	9,660.96	9,684.68	9,684.39	29.66	11.32	45.46	852.68	-943.18	909.81	873.57	36.23	25.109		
9,950.00	9,675.89	9,699.98	9,699.63	29.67	11.34	48.31	853.02	-944.46	892.31	855.92	36.39	24.521		
9,975.00	9,689.74	9,714.22	9,713.81	29.68	11.36	51.45	853.34	-945.66	874.30	837.74	36.56	23.916		
10,000.00	9,702.49	9,727.37	9,726.92	29.69	11.37	54.88	853.64	-946.77	855.86	819.12	36.74	23.296		
10,025.00	9,714.10	9,739.40	9,738.90	29.70	11.38	58.59	853.91	-947.78	837.05	800.11	36.93	22.664		
10,050.00	9,724.53	9,750.26	9,749.73	29.72	11.39	62.54	854.16	-948.70	817.95	780.81	37.14	22.022		
10,075.00	9,733.75	9,759.95	9,759.37	29.73	11.40	66.68	854.38	-949.51	798.66	761.29	37.37	21.373		
10,100.00	9,741.75	9,768.41	9,767.80	29.75	11.41	70.95	854.57	-950.22	779.25	741.64	37.61	20.720		
10,125.00	9,748.50	9,775.64	9,775.01	29.76	11.42	75.26	854.73	-950.83	759.80	721.94	37.86	20.066		
10,150.00	9,753.98	9,781.61	9,780.96	29.78	11.43	79.52	854.86	-951.34	740.42	702.28	38.14	19.414		
10,175.00	9,758.17	9,786.31	9,785.64	29.80	11.43	83.65	854.97	-951.73	721.19	682.76	38.43	18.766		
10,200.00	9,761.07	9,789.72	9,789.03	29.83	11.44	87.55	855.05	-952.02	702.20	663.46	38.74	18.127		
10,225.00	9,762.67	9,791.84	9,791.14	29.85	11.44	91.18	855.10	-952.20	683.54	644.48	39.06	17.498		
10,240.81	9,763.00	9,792.51	9,791.81	29.87	11.44	93.30	855.11	-952.25	671.97	632.69	39.28	17.108		
10,300.00	9,763.27	9,794.02	9,793.32	29.94	11.44	93.49	855.14	-952.38	630.28	590.14	40.14	15.704		
10,400.00	9,763.73	9,796.59	9,795.87	30.08	11.44	93.80	855.20	-952.60	566.96	525.21	41.74	13.582		
10,500.00	9,764.19	9,799.16	9,798.43	30.24	11.45	94.12	855.26	-952.81	515.38	471.98	43.40	11.875		
10,600.00	9,764.65	9,801.72	9,800.99	30.43	11.45	94.44	855.32	-953.03	479.36	434.58	44.77	10.707		
10,700.00	9,765.11	9,804.29	9,803.54	30.64	11.45	94.76	855.38	-953.24	462.53	417.13	45.40	10.188		
10,729.29	9,765.24	9,805.04	9,804.29	30.71	11.45	94.85	855.39	-953.31	461.60	416.21	45.39	10.170 CC, ES, SF		
10,800.00	9,765.57	9,806.85	9,806.10	30.87	11.45	95.08	855.43	-953.46	466.98	421.99	44.99	10.380		
10,900.00	9,766.03	9,809.42	9,808.65	31.13	11.46	95.40	855.49	-953.68	492.13	448.46	43.68	11.267		
11,000.00	9,766.49	9,811.98	9,811.21	31.40	11.46	95.71	855.55	-953.89	535.08	493.16	41.92	12.765		
11,100.00	9,766.94	9,814.55	9,813.77	31.70	11.46	96.03	855.61	-954.11	591.95	551.81	40.14	14.747		
11,200.00	9,767.40	9,817.12	9,816.32	32.02	11.46	96.35	855.67	-954.32	659.16	620.58	38.58	17.087		
11,300.00	9,767.86	9,819.68	9,818.88	32.35	11.47	96.67	855.72	-954.54	733.87	696.57	37.30	19.675		
11,400.00	9,768.32	9,822.25	9,821.43	32.70	11.47	96.99	855.78	-954.76	814.02	777.72	36.30	22.428		
11,500.00	9,768.78	9,824.81	9,823.99	33.07	11.47	97.30	855.84	-954.97	898.15	862.63	35.52	25.288		
11,600.00	9,769.24	9,827.38	9,826.55	33.46	11.48	97.62	855.90	-955.19	985.24	950.33	34.92	28.217		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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													
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	0.00	0.00	0.00	-0.38	59.90	-0.40	59.90				
100.00	100.00	100.00	100.00	0.77	0.77	-0.38	59.90	-0.40	59.90	57.91	1.99	30.083	
200.00	200.00	200.00	200.00	1.44	1.44	-0.38	59.90	-0.40	59.90	56.59	3.31	18.089	
300.00	300.00	300.00	300.00	1.88	1.88	-0.38	59.90	-0.40	59.90	55.71	4.20	14.278	
400.00	400.00	400.00	400.00	2.25	2.25	-0.38	59.90	-0.40	59.90	54.99	4.91	12.195	
500.00	500.00	500.00	500.00	2.56	2.56	-0.38	59.90	-0.40	59.90	54.37	5.53	10.826	
600.00	600.00	600.00	600.00	2.84	2.84	-0.38	59.90	-0.40	59.90	53.81	6.09	9.836	
700.00	700.00	700.00	700.00	3.10	3.10	-0.38	59.90	-0.40	59.90	53.30	6.60	9.074	
800.00	800.00	800.00	800.00	3.34	3.34	-0.38	59.90	-0.40	59.90	52.82	7.08	8.465	
900.00	900.00	900.00	900.00	3.57	3.57	-0.38	59.90	-0.40	59.90	52.38	7.52	7.962	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-0.38	59.90	-0.40	59.90	51.95	7.95	7.537	
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-0.38	59.90	-0.40	59.90	51.55	8.35	7.172	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-0.38	59.90	-0.40	59.90	51.16	8.74	6.854	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-0.38	59.90	-0.40	59.90	50.79	9.11	6.573	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-0.38	59.90	-0.40	59.90	50.43	9.47	6.323	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-0.38	59.90	-0.40	59.90	50.08	9.82	6.098 CC, ES	
1,600.00	1,599.98	1,599.98	1,599.98	5.00	4.91	106.21	59.90	-0.40	60.37	50.21	10.16	5.941	
1,700.00	1,699.84	1,699.84	1,699.84	5.26	5.08	110.82	59.90	-0.40	62.03	51.54	10.49	5.913 SF	
1,800.00	1,799.45	1,799.45	1,799.45	5.54	5.24	117.86	59.90	-0.40	65.64	54.80	10.85	6.053	
1,900.00	1,898.70	1,898.70	1,898.70	5.83	5.40	126.30	59.90	-0.40	72.17	60.92	11.25	6.416	
2,000.00	1,997.47	1,997.47	1,997.47	6.15	5.55	134.89	59.90	-0.40	82.45	70.74	11.71	7.042	
2,100.00	2,095.62	2,093.20	2,093.19	6.48	5.77	143.08	60.19	1.09	98.14	85.88	12.25	8.008	
2,200.00	2,193.06	2,186.54	2,186.41	6.84	5.98	150.46	61.05	5.56	121.02	108.18	12.84	9.422	
2,300.00	2,289.64	2,276.98	2,276.55	7.21	6.20	156.39	62.43	12.74	151.21	137.76	13.45	11.243	
2,375.00	2,361.46	2,342.61	2,341.79	7.45	6.37	159.90	63.78	19.69	178.45	164.59	13.86	12.878	
2,400.00	2,385.30	2,364.07	2,363.09	7.52	6.43	160.98	64.28	22.28	188.27	174.29	13.98	13.470	
2,475.00	2,456.83	2,427.58	2,426.00	7.76	6.60	163.71	65.93	30.87	219.00	204.65	14.36	15.251	
2,500.00	2,480.68	2,448.46	2,446.63	7.83	6.66	162.71	66.53	34.00	229.62	215.14	14.48	15.861	
2,600.00	2,576.09	2,530.49	2,527.47	8.20	6.87	158.53	69.18	47.69	273.32	258.32	15.00	18.223	
2,665.27	2,638.36	2,583.53	2,579.51	8.42	6.99	155.72	71.12	57.74	302.97	287.68	15.29	19.818	
2,700.00	2,671.48	2,613.93	2,609.30	8.53	7.06	156.77	72.26	63.69	318.95	303.49	15.46	20.631	
2,800.00	2,766.85	2,701.46	2,695.07	8.91	7.29	159.30	75.57	80.83	365.39	349.33	16.06	22.750	
2,900.00	2,862.23	2,788.99	2,780.84	9.31	7.53	161.27	78.87	97.96	412.27	395.59	16.68	24.716	
3,000.00	2,957.60	2,876.52	2,866.61	9.72	7.78	162.84	82.18	115.10	459.45	442.13	17.32	26.528	
3,100.00	3,052.97	2,964.04	2,952.38	10.14	8.05	164.12	85.48	132.23	506.86	488.88	17.98	28.192	
3,200.00	3,148.34	3,051.57	3,038.15	10.56	8.33	165.19	88.79	149.37	554.43	535.77	18.66	29.719	
3,300.00	3,243.71	3,139.10	3,123.92	10.99	8.62	166.08	92.10	166.50	602.13	582.78	19.35	31.120	
3,400.00	3,339.08	3,226.63	3,209.69	11.43	8.92	166.85	95.40	183.64	649.92	629.87	20.06	32.404	
3,500.00	3,434.45	3,314.16	3,295.47	11.88	9.23	167.51	98.71	200.77	697.80	677.02	20.78	33.584	
3,600.00	3,529.82	3,401.69	3,381.24	12.33	9.55	168.09	102.01	217.91	745.73	724.22	21.51	34.668	
3,700.00	3,625.20	3,489.21	3,467.01	12.79	9.87	168.59	105.32	235.04	793.72	771.47	22.26	35.664	
3,800.00	3,720.57	3,576.74	3,552.78	13.25	10.20	169.04	108.62	252.18	841.75	818.74	23.01	36.581	
3,900.00	3,815.94	3,664.27	3,638.55	13.71	10.54	169.45	111.93	269.31	889.82	866.04	23.77	37.428	
4,000.00	3,911.31	3,751.80	3,724.32	14.18	10.88	169.81	115.23	286.45	937.92	913.37	24.55	38.212	
4,100.00	4,006.68	3,839.33	3,810.09	14.65	11.22	170.13	118.54	303.58	986.04	960.71	25.32	38.937	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	
0.00	0.00	0.00	0.00	0.00	0.00	-0.43	39.90	-0.30	39.90				
100.00	100.00	100.00	100.00	0.77	0.77	-0.43	39.90	-0.30	39.90	37.91	1.99	20.038	
200.00	200.00	200.00	200.00	1.44	1.44	-0.43	39.90	-0.30	39.90	36.59	3.31	12.049	
300.00	300.00	300.00	300.00	1.88	1.88	-0.43	39.90	-0.30	39.90	35.71	4.20	9.511	
400.00	400.00	400.00	400.00	2.25	2.25	-0.43	39.90	-0.30	39.90	34.99	4.91	8.123	
500.00	500.00	500.00	500.00	2.56	2.56	-0.43	39.90	-0.30	39.90	34.37	5.53	7.211	
600.00	600.00	600.00	600.00	2.84	2.84	-0.43	39.90	-0.30	39.90	33.81	6.09	6.552	
700.00	700.00	700.00	700.00	3.10	3.10	-0.43	39.90	-0.30	39.90	33.30	6.60	6.045	
800.00	800.00	800.00	800.00	3.34	3.34	-0.43	39.90	-0.30	39.90	32.82	7.08	5.638	
900.00	900.00	900.00	900.00	3.57	3.57	-0.43	39.90	-0.30	39.90	32.38	7.52	5.303	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-0.43	39.90	-0.30	39.90	31.95	7.95	5.021	
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-0.43	39.90	-0.30	39.90	31.55	8.35	4.778	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-0.43	39.90	-0.30	39.90	31.16	8.74	4.566	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-0.43	39.90	-0.30	39.90	30.79	9.11	4.379	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-0.43	39.90	-0.30	39.90	30.43	9.47	4.212	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-0.43	39.90	-0.30	39.90	30.08	9.82	4.062 CC, ES	
1,600.00	1,599.98	1,599.98	1,599.98	5.00	4.91	106.96	39.90	-0.30	40.38	30.21	10.16	3.974 SF	
1,700.00	1,699.84	1,699.84	1,699.84	5.26	5.08	113.73	39.90	-0.30	42.20	31.70	10.50	4.020	
1,800.00	1,799.45	1,799.45	1,799.45	5.54	5.24	123.53	39.90	-0.30	46.41	35.53	10.88	4.267	
1,900.00	1,898.70	1,898.70	1,898.70	5.83	5.40	134.20	39.90	-0.30	54.12	42.81	11.32	4.783	
2,000.00	1,997.47	1,997.47	1,997.47	6.15	5.55	143.79	39.90	-0.30	66.03	54.22	11.81	5.591	
2,100.00	2,095.62	2,095.62	2,095.62	6.48	5.69	151.48	39.90	-0.30	82.27	69.94	12.33	6.673	
2,200.00	2,193.06	2,193.06	2,193.06	6.84	5.82	157.30	39.90	-0.30	102.67	89.82	12.85	7.988	
2,300.00	2,289.64	2,288.88	2,288.87	7.21	6.01	160.97	41.18	-0.82	127.29	113.91	13.39	9.510	
2,375.00	2,361.46	2,360.12	2,360.04	7.45	6.17	162.32	44.05	-1.98	148.47	134.74	13.73	10.814	
2,400.00	2,385.30	2,383.77	2,383.64	7.52	6.22	162.61	45.36	-2.51	155.91	142.08	13.83	11.274	
2,475.00	2,456.83	2,454.62	2,454.29	7.76	6.39	162.96	50.38	-4.54	178.44	164.28	14.16	12.603	
2,500.00	2,480.68	2,478.22	2,477.78	7.83	6.44	161.24	52.41	-5.36	185.97	171.71	14.26	13.044	
2,600.00	2,576.09	2,572.94	2,571.90	8.20	6.59	154.36	62.29	-9.35	215.58	200.87	14.70	14.661	
2,665.27	2,638.36	2,635.46	2,633.95	8.42	6.69	150.18	69.36	-12.21	234.27	219.29	14.99	15.634	
2,700.00	2,671.48	2,668.77	2,667.01	8.53	6.76	150.42	73.12	-13.73	244.08	228.94	15.14	16.124	
2,800.00	2,766.85	2,764.66	2,762.19	8.91	6.96	151.01	83.96	-18.12	272.32	256.67	15.65	17.400	
2,900.00	2,862.23	2,860.56	2,857.37	9.31	7.19	151.49	94.80	-22.50	300.58	284.40	16.18	18.581	
3,000.00	2,957.60	2,956.77	2,952.89	9.72	7.42	151.92	105.52	-26.83	328.84	312.12	16.72	19.669	
3,100.00	3,052.97	3,053.38	3,048.95	10.14	7.68	152.52	115.00	-30.67	356.94	339.66	17.29	20.647	
3,200.00	3,148.34	3,149.95	3,145.14	10.56	7.93	153.27	122.98	-33.89	384.91	367.05	17.86	21.547	
3,300.00	3,243.71	3,246.45	3,241.38	10.99	8.19	154.16	129.44	-36.51	412.79	394.34	18.45	22.368	
3,400.00	3,339.08	3,342.81	3,337.59	11.43	8.44	155.15	134.40	-38.52	440.63	421.57	19.06	23.120	
3,500.00	3,434.45	3,438.98	3,433.69	11.88	8.68	156.23	137.86	-39.91	468.48	448.81	19.67	23.814	
3,600.00	3,529.82	3,534.91	3,529.59	12.33	8.89	157.38	139.81	-40.70	496.41	476.12	20.30	24.456	
3,700.00	3,625.20	3,630.51	3,625.20	12.79	9.05	158.58	140.30	-40.90	524.48	503.56	20.93	25.063	
3,800.00	3,720.57	3,725.88	3,720.57	13.25	9.15	159.71	140.30	-40.90	552.75	531.17	21.58	25.618	
3,900.00	3,815.94	3,821.26	3,815.94	13.71	9.24	160.73	140.30	-40.90	581.20	558.97	22.22	26.155	
4,000.00	3,911.31	3,916.63	3,911.31	14.18	9.33	161.66	140.30	-40.90	609.80	586.93	22.87	26.663	
4,100.00	4,006.68	4,012.00	4,006.68	14.65	9.41	162.51	140.30	-40.90	638.54	615.01	23.52	27.143	
4,200.00	4,102.05	4,107.37	4,102.05	15.12	9.50	163.28	140.30	-40.90	667.39	643.21	24.18	27.598	
4,300.00	4,197.42	4,202.74	4,197.42	15.60	9.59	163.99	140.30	-40.90	696.35	671.50	24.84	28.029	
4,400.00	4,292.79	4,298.11	4,292.79	16.07	9.67	164.64	140.30	-40.90	725.40	699.89	25.51	28.438	
4,500.00	4,388.17	4,393.48	4,388.17	16.55	9.76	165.24	140.30	-40.90	754.53	728.35	26.18	28.826	
4,600.00	4,483.54	4,488.85	4,483.54	17.04	9.84	165.80	140.30	-40.90	783.73	756.88	26.85	29.193	
4,700.00	4,578.91	4,584.23	4,578.91	17.52	9.93	166.32	140.30	-40.90	812.99	785.47	27.52	29.543	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	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 +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,800.00	4,674.28	4,679.60	4,674.28	18.01	10.02	166.80	140.30	-40.90	842.31	814.11	28.19	29.875	
4,900.00	4,769.65	4,774.97	4,769.65	18.49	10.10	167.25	140.30	-40.90	871.68	842.81	28.87	30.191	
5,000.00	4,865.02	4,870.34	4,865.02	18.98	10.19	167.67	140.30	-40.90	901.10	871.55	29.55	30.491	
5,100.00	4,960.39	4,965.71	4,960.39	19.47	10.27	168.07	140.30	-40.90	930.56	900.32	30.23	30.778	
5,200.00	5,055.77	5,061.08	5,055.77	19.96	10.36	168.44	140.30	-40.90	960.06	929.14	30.92	31.051	
5,300.00	5,151.14	5,156.45	5,151.14	20.45	10.44	168.79	140.30	-40.90	989.59	957.98	31.60	31.312	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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	0.00	0.00	0.00	-0.58	19.90	-0.20	19.90				
100.00	100.00	100.00	100.00	0.77	0.77	-0.58	19.90	-0.20	19.90	17.91	1.99	9.994	
200.00	200.00	200.00	200.00	1.44	1.44	-0.58	19.90	-0.20	19.90	16.59	3.31	6.010	
300.00	300.00	300.00	300.00	1.88	1.88	-0.58	19.90	-0.20	19.90	15.71	4.20	4.744	
400.00	400.00	400.00	400.00	2.25	2.25	-0.58	19.90	-0.20	19.90	14.99	4.91	4.052	
500.00	500.00	500.00	500.00	2.56	2.56	-0.58	19.90	-0.20	19.90	14.37	5.53	3.597	
600.00	600.00	600.00	600.00	2.84	2.84	-0.58	19.90	-0.20	19.90	13.81	6.09	3.268	
700.00	700.00	700.00	700.00	3.10	3.10	-0.58	19.90	-0.20	19.90	13.30	6.60	3.015	
800.00	800.00	800.00	800.00	3.34	3.34	-0.58	19.90	-0.20	19.90	12.82	7.08	2.812 Normal Operations	
900.00	900.00	900.00	900.00	3.57	3.57	-0.58	19.90	-0.20	19.90	12.38	7.52	2.645 Normal Operations	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-0.58	19.90	-0.20	19.90	11.95	7.95	2.504 Normal Operations	
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	-0.58	19.90	-0.20	19.90	11.55	8.35	2.383 Caution - Monitor Closely	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-0.58	19.90	-0.20	19.90	11.16	8.74	2.277 Caution - Monitor Closely	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-0.58	19.90	-0.20	19.90	10.79	9.11	2.184 Caution - Monitor Closely	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-0.58	19.90	-0.20	19.90	10.43	9.47	2.101 Caution - Monitor Closely	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-0.58	19.90	-0.20	19.90	10.08	9.82	2.026 Caution - Monitor Closely, CC, ES	
1,600.00	1,599.98	1,599.98	1,599.98	5.00	4.91	109.16	19.90	-0.20	20.41	10.24	10.16	2.008 Caution - Monitor Closely, SF	
1,700.00	1,699.84	1,699.84	1,699.84	5.26	5.08	121.71	19.90	-0.20	22.67	12.15	10.52	2.154 Caution - Monitor Closely	
1,800.00	1,799.45	1,799.45	1,799.45	5.54	5.24	136.82	19.90	-0.20	28.25	17.29	10.95	2.579 Normal Operations	
1,900.00	1,898.70	1,898.70	1,898.70	5.83	5.40	149.34	19.90	-0.20	38.08	26.64	11.44	3.328	
2,000.00	1,997.47	1,997.47	1,997.47	6.15	5.55	158.02	19.90	-0.20	52.17	40.22	11.95	4.367	
2,100.00	2,095.62	2,097.33	2,097.31	6.48	5.78	162.87	20.25	-1.82	69.08	56.59	12.49	5.532	
2,200.00	2,193.06	2,197.67	2,197.51	6.84	6.01	164.83	21.34	-6.86	87.04	74.00	13.03	6.679	
2,300.00	2,289.64	2,298.42	2,297.88	7.21	6.25	165.29	23.18	-15.38	105.79	92.20	13.59	7.782	
2,375.00	2,361.46	2,374.24	2,373.17	7.45	6.45	165.06	25.05	-24.06	120.33	106.36	13.98	8.609	
2,400.00	2,385.30	2,399.57	2,398.28	7.52	6.52	164.92	25.77	-27.39	125.17	111.08	14.09	8.884	
2,475.00	2,456.83	2,475.93	2,473.74	7.76	6.74	164.17	28.22	-38.76	138.71	124.24	14.47	9.588	
2,500.00	2,480.68	2,501.50	2,498.94	7.83	6.81	162.21	29.13	-43.00	142.87	128.29	14.58	9.798	
2,600.00	2,576.09	2,603.22	2,598.80	8.20	7.03	154.75	33.22	-61.92	157.18	142.08	15.09	10.415	
2,665.27	2,638.36	2,667.97	2,662.25	8.42	7.20	150.47	35.94	-74.54	165.36	149.91	15.45	10.705	
2,700.00	2,671.48	2,702.44	2,696.03	8.53	7.29	150.60	37.39	-81.25	169.55	153.92	15.63	10.847	
2,800.00	2,766.85	2,801.71	2,793.30	8.91	7.56	150.94	41.56	-100.60	181.64	165.40	16.24	11.183	
2,900.00	2,862.23	2,900.97	2,890.57	9.31	7.86	151.24	45.73	-119.94	193.74	176.86	16.88	11.479	
3,000.00	2,957.60	3,000.23	2,987.84	9.72	8.16	151.50	49.91	-139.28	205.84	188.30	17.54	11.738	
3,100.00	3,052.97	3,099.49	3,085.11	10.14	8.49	151.74	54.08	-158.63	217.94	199.73	18.21	11.966	
3,200.00	3,148.34	3,198.75	3,182.38	10.56	8.82	151.95	58.25	-177.97	230.05	211.14	18.91	12.167	
3,300.00	3,243.71	3,298.01	3,279.64	10.99	9.17	152.13	62.43	-197.32	242.16	222.54	19.62	12.344	
3,400.00	3,339.08	3,397.27	3,376.91	11.43	9.53	152.30	66.60	-216.66	254.27	233.93	20.34	12.500	
3,500.00	3,434.45	3,496.53	3,474.18	11.88	9.90	152.46	70.78	-236.00	266.38	245.31	21.08	12.638	
3,600.00	3,529.82	3,595.79	3,571.45	12.33	10.27	152.60	74.95	-255.35	278.50	256.67	21.83	12.760	
3,700.00	3,625.20	3,695.06	3,668.72	12.79	10.66	152.73	79.12	-274.69	290.62	268.03	22.58	12.868	
3,800.00	3,720.57	3,794.32	3,765.99	13.25	11.05	152.85	83.30	-294.03	302.74	279.38	23.35	12.964	
3,900.00	3,815.94	3,893.58	3,863.26	13.71	11.44	152.96	87.47	-313.38	314.85	290.73	24.13	13.050	
4,000.00	3,911.31	3,992.84	3,960.52	14.18	11.84	153.06	91.64	-332.72	326.98	302.07	24.91	13.126	
4,100.00	4,006.68	4,092.10	4,057.79	14.65	12.25	153.16	95.82	-352.07	339.10	313.40	25.70	13.194	
4,200.00	4,102.05	4,191.36	4,155.06	15.12	12.66	153.25	99.99	-371.41	351.22	324.72	26.50	13.255	
4,300.00	4,197.42	4,290.62	4,252.33	15.60	13.07	153.33	104.16	-390.75	363.34	336.04	27.30	13.310	
4,400.00	4,292.79	4,389.88	4,349.60	16.07	13.49	153.41	108.34	-410.10	375.47	347.36	28.11	13.359	
4,500.00	4,388.17	4,489.14	4,446.87	16.55	13.91	153.48	112.51	-429.44	387.59	358.67	28.92	13.403	
4,600.00	4,483.54	4,588.41	4,544.14	17.04	14.33	153.55	116.68	-448.78	399.72	369.98	29.73	13.443	
4,700.00	4,578.91	4,687.67	4,641.40	17.52	14.75	153.61	120.86	-468.13	411.84	381.29	30.55	13.479	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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	
4,800.00	4,674.28	4,786.93	4,738.67	18.01	15.18	153.67	125.03	-487.47	423.97	392.59	31.38	13.512	
4,900.00	4,769.65	4,886.19	4,835.94	18.49	15.61	153.73	129.20	-506.82	436.10	403.89	32.20	13.541	
5,000.00	4,865.02	4,985.45	4,933.21	18.98	16.05	153.78	133.38	-526.16	448.22	415.19	33.04	13.568	
5,100.00	4,960.39	5,084.71	5,030.48	19.47	16.48	153.83	137.55	-545.50	460.35	426.48	33.87	13.592	
5,200.00	5,055.77	5,183.97	5,127.75	19.96	16.92	153.88	141.72	-564.85	472.48	437.77	34.70	13.614	
5,300.00	5,151.14	5,283.23	5,225.02	20.45	17.36	153.93	145.90	-584.19	484.61	449.06	35.54	13.634	
5,400.00	5,246.51	5,382.49	5,322.28	20.95	17.80	153.97	150.07	-603.53	496.74	460.35	36.38	13.652	
5,500.00	5,341.88	5,481.76	5,419.55	21.44	18.24	154.01	154.24	-622.88	508.86	471.64	37.23	13.669	
5,600.00	5,437.25	5,573.16	5,509.26	21.94	18.74	154.10	157.93	-639.98	521.62	483.49	38.13	13.681	
5,700.00	5,532.62	5,662.56	5,597.39	22.43	19.17	154.33	161.11	-654.71	536.14	497.17	38.96	13.760	
5,800.00	5,627.99	5,751.39	5,685.27	22.93	19.55	154.68	163.84	-667.34	552.45	512.68	39.77	13.892	
5,900.00	5,723.36	5,839.55	5,772.76	23.43	19.91	155.15	166.12	-677.90	570.56	529.99	40.57	14.064	
6,000.00	5,818.74	5,926.95	5,859.72	23.93	20.25	155.71	167.95	-686.42	590.48	549.11	41.36	14.275	
6,100.00	5,914.11	6,013.52	5,946.03	24.43	20.58	156.34	169.36	-692.93	612.22	570.07	42.15	14.525	
6,200.00	6,009.48	6,100.00	6,032.38	24.93	20.88	157.05	170.35	-697.53	635.81	592.88	42.93	14.811	
6,273.43	6,079.51	6,161.44	6,093.79	25.29	21.06	157.59	170.81	-699.64	654.30	610.85	43.45	15.060	
6,300.00	6,104.89	6,183.88	6,116.21	25.41	21.13	157.84	170.92	-700.16	661.13	617.49	43.63	15.152	
6,400.00	6,201.02	6,268.69	6,201.02	25.93	21.27	158.74	171.10	-701.00	686.02	641.74	44.28	15.494	
6,500.00	6,298.06	6,365.73	6,298.06	26.42	21.30	159.61	171.10	-701.00	708.67	663.70	44.97	15.760	
6,600.00	6,395.88	6,463.55	6,395.88	26.91	21.33	160.31	171.10	-701.00	728.20	682.57	45.63	15.960	
6,700.00	6,494.37	6,562.03	6,494.37	27.37	21.37	160.87	171.10	-701.00	744.55	698.31	46.25	16.100	
6,800.00	6,593.40	6,661.06	6,593.40	27.82	21.41	161.30	171.10	-701.00	757.68	710.86	46.82	16.181	
6,900.00	6,692.85	6,760.51	6,692.85	28.24	21.45	161.61	171.10	-701.00	767.55	720.19	47.36	16.208	
7,000.00	6,792.60	6,860.27	6,792.60	28.62	21.48	161.81	171.10	-701.00	774.12	726.29	47.83	16.184	
7,100.00	6,892.54	6,960.20	6,892.54	28.94	21.52	161.91	171.10	-701.00	777.39	729.16	48.23	16.118	
7,148.46	6,941.00	7,008.67	6,941.00	29.00	21.54	69.60	171.10	-701.00	777.78	729.46	48.32	16.097	
7,200.00	6,992.54	7,060.20	6,992.54	29.00	21.56	69.60	171.10	-701.00	777.78	729.43	48.34	16.089	
7,300.00	7,092.54	7,160.20	7,092.54	29.03	21.60	69.60	171.10	-701.00	777.78	729.37	48.41	16.068	
7,400.00	7,192.54	7,260.20	7,192.54	29.05	21.64	69.60	171.10	-701.00	777.78	729.31	48.47	16.046	
7,500.00	7,292.54	7,360.20	7,292.54	29.08	21.68	69.60	171.10	-701.00	777.78	729.24	48.54	16.024	
7,600.00	7,392.54	7,460.20	7,392.54	29.10	21.72	69.60	171.10	-701.00	777.78	729.17	48.60	16.003	
7,700.00	7,492.54	7,560.20	7,492.54	29.13	21.76	69.60	171.10	-701.00	777.78	729.11	48.67	15.981	
7,800.00	7,592.54	7,660.20	7,592.54	29.15	21.80	69.60	171.10	-701.00	777.78	729.04	48.74	15.959	
7,900.00	7,692.54	7,760.20	7,692.54	29.18	21.84	69.60	171.10	-701.00	777.78	728.97	48.80	15.937	
8,000.00	7,792.54	7,860.20	7,792.54	29.20	21.88	69.60	171.10	-701.00	777.78	728.90	48.87	15.915	
8,100.00	7,892.54	7,960.20	7,892.54	29.23	21.92	69.60	171.10	-701.00	777.78	728.84	48.94	15.893	
8,200.00	7,992.54	8,060.20	7,992.54	29.26	21.96	69.60	171.10	-701.00	777.78	728.77	49.01	15.870	
8,300.00	8,092.54	8,160.20	8,092.54	29.28	22.00	69.60	171.10	-701.00	777.78	728.70	49.08	15.848	
8,400.00	8,192.54	8,260.20	8,192.54	29.31	22.05	69.60	171.10	-701.00	777.78	728.63	49.15	15.825	
8,500.00	8,292.54	8,360.20	8,292.54	29.34	22.09	69.60	171.10	-701.00	777.78	728.56	49.22	15.803	
8,600.00	8,392.54	8,460.20	8,392.54	29.36	22.13	69.60	171.10	-701.00	777.78	728.49	49.29	15.780	
8,700.00	8,492.54	8,560.20	8,492.54	29.39	22.17	69.60	171.10	-701.00	777.78	728.42	49.36	15.758	
8,800.00	8,592.54	8,660.20	8,592.54	29.42	22.22	69.60	171.10	-701.00	777.78	728.35	49.43	15.735	
8,900.00	8,692.54	8,760.20	8,692.54	29.45	22.26	69.60	171.10	-701.00	777.78	728.28	49.50	15.712	
9,000.00	8,792.54	8,860.20	8,792.54	29.47	22.30	69.60	171.10	-701.00	777.78	728.20	49.57	15.689	
9,100.00	8,892.54	8,960.20	8,892.54	29.50	22.34	69.60	171.10	-701.00	777.78	728.13	49.65	15.666	
9,200.00	8,992.54	9,060.20	8,992.54	29.53	22.39	69.60	171.10	-701.00	777.78	728.06	49.72	15.643	
9,300.00	9,092.54	9,160.20	9,092.54	29.56	22.42	69.60	171.10	-701.00	777.78	727.99	49.78	15.623	
9,400.00	9,192.54	9,231.10	9,163.33	29.59	22.43	69.41	173.81	-701.00	779.27	729.83	49.44	15.761	
9,493.01	9,285.55	9,288.77	9,220.17	29.61	22.44	68.76	183.39	-701.01	784.86	735.98	48.88	16.056	
9,500.00	9,292.54	9,293.01	9,224.29	29.61	22.44	67.63	184.36	-701.02	785.43	736.66	48.78	16.102	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	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	
9,525.00	9,317.51	9,308.13	9,238.94	29.62	22.44	67.20	188.13	-701.02	787.38	738.78	48.60	16.202	
9,550.00	9,342.40	9,325.00	9,255.13	29.62	22.44	66.79	192.89	-701.03	789.14	740.69	48.44	16.290	
9,575.00	9,367.13	9,338.28	9,267.74	29.62	22.44	66.46	197.03	-701.03	790.70	742.44	48.26	16.385	
9,600.00	9,391.64	9,350.00	9,278.78	29.62	22.44	66.19	200.97	-701.03	792.07	744.00	48.06	16.480	
9,625.00	9,415.86	9,368.33	9,295.83	29.62	22.45	65.91	207.68	-701.04	793.20	745.25	47.95	16.542	
9,650.00	9,439.72	9,383.32	9,309.59	29.62	22.45	65.70	213.66	-701.05	794.13	746.32	47.81	16.609	
9,675.00	9,463.16	9,400.00	9,324.65	29.63	22.45	65.52	220.80	-701.06	794.84	747.14	47.70	16.662	
9,700.00	9,486.11	9,413.27	9,336.46	29.63	22.45	65.41	226.86	-701.06	795.32	747.75	47.57	16.719	
9,725.00	9,508.52	9,425.00	9,346.75	29.63	22.45	65.34	232.49	-701.07	795.59	748.16	47.43	16.773	
9,750.00	9,530.31	9,443.18	9,362.42	29.63	22.46	65.31	241.71	-701.08	795.60	748.23	47.37	16.794	
9,775.00	9,551.43	9,458.13	9,375.03	29.63	22.46	65.32	249.73	-701.09	795.40	748.10	47.29	16.818	
9,800.00	9,571.82	9,475.00	9,388.96	29.64	22.46	65.39	259.25	-701.10	794.96	747.72	47.25	16.826	
9,825.00	9,591.42	9,488.04	9,399.49	29.64	22.47	65.49	266.94	-701.11	794.29	747.12	47.17	16.837	
9,850.00	9,610.19	9,500.00	9,408.96	29.65	22.47	65.63	274.25	-701.12	793.41	746.30	47.11	16.842	
9,875.00	9,628.07	9,517.98	9,422.84	29.65	22.47	65.84	285.67	-701.13	792.28	745.17	47.11	16.818	
9,900.00	9,645.01	9,532.97	9,434.07	29.66	22.48	66.09	295.59	-701.14	790.95	743.85	47.10	16.794	
9,925.00	9,660.96	9,550.00	9,446.46	29.66	22.48	66.39	307.28	-701.16	789.40	742.28	47.12	16.754	
9,950.00	9,675.89	9,563.00	9,455.63	29.67	22.49	66.71	316.50	-701.17	787.64	740.52	47.12	16.716	
9,975.00	9,689.74	9,575.00	9,463.86	29.68	22.49	67.05	325.23	-701.18	785.70	738.57	47.13	16.671	
10,000.00	9,702.49	9,593.14	9,475.89	29.69	22.50	67.51	338.80	-701.19	783.55	736.35	47.20	16.600	
10,025.00	9,714.10	9,608.25	9,485.51	29.70	22.50	67.97	350.46	-701.21	781.22	733.96	47.26	16.529	
10,050.00	9,724.53	9,625.00	9,495.74	29.72	22.51	68.50	363.72	-701.22	778.73	731.38	47.35	16.445	
10,075.00	9,733.75	9,638.60	9,503.69	29.73	22.51	69.03	374.75	-701.24	776.08	728.65	47.44	16.360	
10,100.00	9,741.75	9,650.00	9,510.12	29.75	22.52	69.55	384.17	-701.25	773.31	725.78	47.52	16.272	
10,125.00	9,748.50	9,669.12	9,520.39	29.76	22.53	70.25	400.30	-701.27	770.37	722.70	47.67	16.159	
10,150.00	9,753.98	9,684.47	9,528.15	29.78	22.54	70.92	413.53	-701.28	767.33	719.52	47.82	16.048	
10,175.00	9,758.17	9,700.00	9,535.58	29.80	22.55	71.64	427.17	-701.30	764.20	716.23	47.97	15.930	
10,200.00	9,761.07	9,715.35	9,542.47	29.83	22.56	72.38	440.88	-701.31	760.99	712.84	48.14	15.806	
10,225.00	9,762.67	9,730.89	9,549.01	29.85	22.57	73.16	454.99	-701.33	757.71	709.38	48.33	15.677	
10,240.81	9,763.00	9,740.76	9,552.91	29.87	22.57	73.67	464.05	-701.34	755.62	707.16	48.46	15.593	
10,300.00	9,763.27	9,778.94	9,566.24	29.94	22.60	74.63	499.81	-701.38	748.65	699.74	48.91	15.307	
10,400.00	9,763.73	9,850.00	9,583.29	30.08	22.67	75.85	568.73	-701.46	740.61	691.07	49.54	14.950	
10,500.00	9,764.19	9,920.40	9,589.91	30.24	22.75	76.30	638.75	-701.54	736.57	686.63	49.94	14.748	
10,600.00	9,764.65	10,017.73	9,590.48	30.43	22.90	76.28	736.08	-701.66	734.73	684.44	50.28	14.612	
10,700.00	9,765.11	10,117.71	9,591.01	30.64	23.09	76.25	836.06	-701.77	732.90	682.22	50.68	14.461	
10,800.00	9,765.57	10,217.69	9,591.54	30.87	23.31	76.22	936.04	-701.89	731.07	679.94	51.13	14.298	
10,900.00	9,766.03	10,317.67	9,592.08	31.13	23.56	76.19	1,036.03	-702.00	729.25	677.62	51.63	14.125	
11,000.00	9,766.49	10,417.66	9,592.61	31.40	23.84	76.16	1,136.01	-702.12	727.42	675.25	52.17	13.942	
11,100.00	9,766.94	10,517.64	9,593.14	31.70	24.15	76.13	1,235.99	-702.24	725.60	672.83	52.77	13.751	
11,200.00	9,767.40	10,617.62	9,593.67	32.02	24.48	76.10	1,335.97	-702.35	723.78	670.37	53.41	13.553	
11,300.00	9,767.86	10,717.61	9,594.20	32.35	24.85	76.07	1,435.95	-702.47	721.95	667.86	54.09	13.348	
11,400.00	9,768.32	10,817.59	9,594.74	32.70	25.23	76.04	1,535.93	-702.58	720.13	665.32	54.81	13.139	
11,500.00	9,768.78	10,917.57	9,595.27	33.07	25.65	76.01	1,635.91	-702.70	718.30	662.73	55.57	12.926	
11,600.00	9,769.24	11,017.55	9,595.80	33.46	26.08	75.98	1,735.89	-702.82	716.48	660.11	56.37	12.710	
11,700.00	9,769.70	11,117.54	9,596.33	33.87	26.54	75.95	1,835.87	-702.93	714.66	657.45	57.21	12.492	
11,800.00	9,770.16	11,217.52	9,596.87	34.29	27.01	75.92	1,935.86	-703.05	712.83	654.75	58.08	12.273	
11,900.00	9,770.62	11,317.50	9,597.40	34.72	27.51	75.89	2,035.84	-703.16	711.01	652.02	58.99	12.054	
12,000.00	9,771.08	11,417.48	9,597.93	35.17	28.02	75.86	2,135.82	-703.28	709.19	649.26	59.92	11.835	
12,100.00	9,771.53	11,517.47	9,598.46	35.64	28.55	75.83	2,235.80	-703.40	707.36	646.47	60.89	11.617	
12,200.00	9,771.99	11,617.45	9,598.99	36.12	29.10	75.80	2,335.78	-703.51	705.54	643.65	61.89	11.400	
12,300.00	9,772.45	11,717.43	9,599.53	36.61	29.67	75.77	2,435.76	-703.63	703.72	640.81	62.91	11.186	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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							Rule Assigned:				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		
12,400.00	9,772.91	11,817.41	9,600.06	37.11	30.24	75.74	2,535.74	-703.74	701.90	637.93	63.96	10.973		
12,500.00	9,773.37	11,917.40	9,600.59	37.63	30.83	75.70	2,635.72	-703.86	700.07	635.04	65.04	10.764		
12,600.00	9,773.83	12,017.38	9,601.12	38.16	31.44	75.67	2,735.70	-703.98	698.25	632.12	66.14	10.558		
12,700.00	9,774.29	12,117.36	9,601.66	38.70	32.05	75.64	2,835.69	-704.09	696.43	629.17	67.26	10.355		
12,800.00	9,774.75	12,217.35	9,602.19	39.25	32.68	75.61	2,935.67	-704.21	694.61	626.21	68.40	10.155		
12,900.00	9,775.21	12,317.33	9,602.72	39.81	33.31	75.58	3,035.65	-704.33	692.79	623.23	69.56	9.959		
13,000.00	9,775.67	12,417.31	9,603.25	40.39	33.96	75.54	3,135.63	-704.44	690.97	620.22	70.74	9.767		
13,100.00	9,776.12	12,517.29	9,603.78	40.97	34.62	75.51	3,235.61	-704.56	689.15	617.20	71.94	9.579		
13,200.00	9,776.58	12,617.28	9,604.32	41.56	35.28	75.48	3,335.59	-704.67	687.33	614.17	73.16	9.395		
13,300.00	9,777.04	12,717.26	9,604.85	42.16	35.95	75.44	3,435.57	-704.79	685.51	611.11	74.39	9.215		
13,400.00	9,777.50	12,817.24	9,605.38	42.77	36.63	75.41	3,535.55	-704.91	683.69	608.05	75.64	9.039		
13,465.81	9,777.80	12,883.04	9,605.73	43.17	37.08	75.39	3,601.35	-704.98	682.49	606.02	76.47	8.925		
13,500.00	9,777.96	12,917.23	9,605.91	43.38	37.32	75.39	3,635.54	-705.02	682.07	605.16	76.90	8.869		
13,519.16	9,778.05	12,936.38	9,606.01	43.50	37.45	75.39	3,654.69	-705.04	682.00	604.85	77.15	8.840		
13,600.00	9,778.42	13,017.23	9,606.44	44.00	38.02	75.39	3,735.54	-705.14	681.99	603.80	78.19	8.722		
13,700.00	9,778.88	13,117.23	9,606.98	44.64	38.72	75.40	3,835.54	-705.25	681.97	602.48	79.49	8.579		
13,800.00	9,779.34	13,217.23	9,607.51	45.28	39.43	75.41	3,935.53	-705.37	681.95	601.14	80.81	8.439		
13,900.00	9,779.80	13,317.23	9,608.04	45.93	40.14	75.41	4,035.53	-705.49	681.93	599.79	82.14	8.302		
14,000.00	9,780.26	13,417.23	9,608.57	46.58	40.86	75.42	4,135.53	-705.60	681.92	598.43	83.48	8.168		
14,100.00	9,780.72	13,517.23	9,609.11	47.24	41.58	75.42	4,235.53	-705.72	681.90	597.06	84.84	8.038		
14,200.00	9,781.18	13,617.23	9,609.64	47.91	42.31	75.43	4,335.53	-705.83	681.88	595.68	86.20	7.910		
14,300.00	9,781.64	13,717.23	9,610.17	48.58	43.05	75.44	4,435.53	-705.95	681.86	594.29	87.57	7.786		
14,400.00	9,782.10	13,817.23	9,610.70	49.26	43.79	75.44	4,535.52	-706.07	681.85	592.89	88.96	7.665		
14,500.00	9,782.56	13,917.23	9,611.24	49.95	44.53	75.45	4,635.52	-706.18	681.83	591.48	90.35	7.546		
14,600.00	9,783.02	14,017.23	9,611.77	50.64	45.28	75.45	4,735.52	-706.30	681.81	590.06	91.75	7.431		
14,700.00	9,783.48	14,117.23	9,612.30	51.33	46.03	75.46	4,835.52	-706.41	681.79	588.63	93.16	7.318		
14,800.00	9,783.94	14,217.23	9,612.83	52.03	46.78	75.46	4,935.52	-706.53	681.78	587.20	94.58	7.208		
14,900.00	9,784.40	14,317.23	9,613.36	52.74	47.54	75.47	5,035.52	-706.65	681.76	585.75	96.01	7.101		
15,000.00	9,784.86	14,417.23	9,613.90	53.44	48.30	75.48	5,135.52	-706.76	681.74	584.30	97.44	6.997		
15,100.00	9,785.32	14,517.23	9,614.43	54.16	49.06	75.48	5,235.51	-706.88	681.72	582.84	98.88	6.894		
15,200.00	9,785.78	14,617.23	9,614.96	54.87	49.83	75.49	5,335.51	-707.00	681.71	581.38	100.33	6.795		
15,300.00	9,786.24	14,717.23	9,615.49	55.60	50.60	75.49	5,435.51	-707.11	681.69	579.91	101.78	6.698		
15,400.00	9,786.70	14,817.23	9,616.03	56.32	51.38	75.50	5,535.51	-707.23	681.67	578.43	103.24	6.603		
15,500.00	9,787.16	14,917.23	9,616.56	57.05	52.15	75.51	5,635.51	-707.34	681.66	576.95	104.70	6.510		
15,600.00	9,787.62	15,017.23	9,617.09	57.78	52.93	75.51	5,735.51	-707.46	681.64	575.46	106.18	6.420		
15,700.00	9,788.08	15,117.23	9,617.62	58.52	53.71	75.52	5,835.51	-707.58	681.62	573.97	107.65	6.332		
15,800.00	9,788.54	15,217.23	9,618.15	59.25	54.49	75.52	5,935.50	-707.69	681.60	572.47	109.13	6.246		
15,900.00	9,789.00	15,317.23	9,618.69	60.00	55.28	75.53	6,035.50	-707.81	681.59	570.97	110.62	6.161		
16,000.00	9,789.46	15,417.23	9,619.22	60.74	56.07	75.54	6,135.50	-707.92	681.57	569.46	112.11	6.079		
16,100.00	9,789.92	15,517.23	9,619.75	61.49	56.85	75.54	6,235.50	-708.04	681.55	567.94	113.61	5.999		
16,200.00	9,790.38	15,617.23	9,620.28	62.24	57.65	75.55	6,335.50	-708.16	681.53	566.43	115.11	5.921		
16,300.00	9,790.84	15,717.23	9,620.82	62.99	58.44	75.55	6,435.50	-708.27	681.52	564.90	116.61	5.844		
16,400.00	9,791.30	15,817.23	9,621.35	63.75	59.23	75.56	6,535.49	-708.39	681.50	563.38	118.12	5.769		
16,500.00	9,791.76	15,917.23	9,621.88	64.51	60.03	75.57	6,635.49	-708.50	681.48	561.85	119.64	5.696		
16,600.00	9,792.22	16,017.23	9,622.41	65.27	60.83	75.57	6,735.49	-708.62	681.47	560.31	121.15	5.625		
16,700.00	9,792.68	16,117.23	9,622.95	66.03	61.63	75.58	6,835.49	-708.74	681.45	558.78	122.67	5.555		
16,800.00	9,793.14	16,217.23	9,623.48	66.79	62.43	75.58	6,935.49	-708.85	681.43	557.23	124.20	5.487		
16,900.00	9,793.60	16,317.23	9,624.01	67.56	63.23	75.59	7,035.49	-708.97	681.41	555.69	125.72	5.420		
17,000.00	9,794.06	16,417.23	9,624.54	68.33	64.04	75.59	7,135.49	-709.08	681.40	554.14	127.25	5.355		
17,100.00	9,794.52	16,517.23	9,625.07	69.10	64.84	75.60	7,235.48	-709.20	681.38	552.59	128.79	5.291		
17,200.00	9,794.97	16,617.23	9,625.61	69.88	65.65	75.61	7,335.48	-709.32	681.36	551.04	130.32	5.228		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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	
17,300.00	9,795.43	16,717.23	9,626.14	70.65	66.46	75.61	7,435.48	-709.43	681.34	549.48	131.86	5.167	
17,400.00	9,795.89	16,817.23	9,626.67	71.43	67.27	75.62	7,535.48	-709.55	681.33	547.92	133.41	5.107	
17,500.00	9,796.35	16,917.23	9,627.20	72.21	68.08	75.62	7,635.48	-709.66	681.31	546.36	134.95	5.049	
17,600.00	9,796.81	17,017.23	9,627.74	72.99	68.89	75.63	7,735.48	-709.78	681.29	544.79	136.50	4.991	
17,700.00	9,797.27	17,117.23	9,628.27	73.77	69.70	75.64	7,835.47	-709.90	681.28	543.22	138.05	4.935	
17,800.00	9,797.73	17,217.23	9,628.80	74.56	70.52	75.64	7,935.47	-710.01	681.26	541.65	139.60	4.880	
17,900.00	9,798.19	17,317.23	9,629.33	75.34	71.33	75.65	8,035.47	-710.13	681.24	540.08	141.16	4.826	
18,000.00	9,798.65	17,417.23	9,629.86	76.13	72.15	75.65	8,135.47	-710.25	681.22	538.51	142.72	4.773	
18,100.00	9,799.11	17,517.23	9,630.40	76.92	72.96	75.66	8,235.47	-710.36	681.21	536.93	144.28	4.721	
18,200.00	9,799.57	17,617.23	9,630.93	77.71	73.78	75.67	8,335.47	-710.48	681.19	535.35	145.84	4.671	
18,300.00	9,800.03	17,717.23	9,631.46	78.50	74.60	75.67	8,435.47	-710.59	681.17	533.77	147.40	4.621	
18,400.00	9,800.49	17,817.23	9,631.99	79.30	75.42	75.68	8,535.46	-710.71	681.16	532.18	148.97	4.572	
18,500.00	9,800.95	17,917.23	9,632.53	80.09	76.24	75.68	8,635.46	-710.83	681.14	530.60	150.54	4.525	
18,600.00	9,801.41	18,017.23	9,633.06	80.89	77.06	75.69	8,735.46	-710.94	681.12	529.01	152.11	4.478	
18,700.00	9,801.87	18,117.23	9,633.59	81.68	77.88	75.70	8,835.46	-711.06	681.10	527.42	153.68	4.432	
18,800.00	9,802.33	18,217.23	9,634.12	82.48	78.70	75.70	8,935.46	-711.17	681.09	525.83	155.26	4.387	
18,900.00	9,802.79	18,317.23	9,634.66	83.28	79.53	75.71	9,035.46	-711.29	681.07	524.24	156.83	4.343	
19,000.00	9,803.25	18,417.23	9,635.19	84.08	80.35	75.71	9,135.46	-711.41	681.05	522.64	158.41	4.299	
19,100.00	9,803.71	18,517.23	9,635.72	84.88	81.18	75.72	9,235.45	-711.52	681.04	521.05	159.99	4.257	
19,200.00	9,804.17	18,617.23	9,636.25	85.69	82.00	75.73	9,335.45	-711.64	681.02	519.45	161.57	4.215	
19,300.00	9,804.63	18,717.23	9,636.78	86.49	82.83	75.73	9,435.45	-711.75	681.00	517.85	163.15	4.174	
19,400.00	9,805.09	18,817.23	9,637.32	87.30	83.65	75.74	9,535.45	-711.87	680.98	516.25	164.74	4.134	
19,500.00	9,805.55	18,917.23	9,637.85	88.10	84.48	75.74	9,635.45	-711.99	680.97	514.64	166.32	4.094	
19,600.00	9,806.01	19,017.23	9,638.38	88.91	85.31	75.75	9,735.45	-712.10	680.95	513.04	167.91	4.055	
19,700.00	9,806.47	19,117.23	9,638.91	89.72	86.14	75.75	9,835.44	-712.22	680.93	511.43	169.50	4.017	
19,800.00	9,806.93	19,217.23	9,639.45	90.52	86.97	75.76	9,935.44	-712.33	680.92	509.83	171.09	3.980	
19,900.00	9,807.39	19,317.22	9,639.98	91.33	87.80	75.77	10,035.44	-712.45	680.90	508.22	172.68	3.943	
20,000.00	9,807.85	19,417.22	9,640.51	92.14	88.63	75.77	10,135.44	-712.57	680.88	506.61	174.27	3.907	
20,100.00	9,808.31	19,517.22	9,641.04	92.96	89.46	75.78	10,235.44	-712.68	680.87	505.00	175.87	3.871	
20,200.00	9,808.77	19,617.22	9,641.57	93.77	90.29	75.78	10,335.44	-712.80	680.85	503.39	177.46	3.837	
20,300.00	9,809.23	19,717.22	9,642.11	94.58	91.12	75.79	10,435.44	-712.92	680.83	501.77	179.06	3.802	
20,400.00	9,809.69	19,817.22	9,642.64	95.39	91.95	75.80	10,535.43	-713.03	680.81	500.16	180.66	3.769	
20,467.46	9,810.00	19,884.69	9,643.00	95.94	92.51	75.80	10,602.90	-713.11	680.80	499.07	181.73	3.746	
20,467.96	9,810.00	19,885.07	9,643.00	95.95	92.52	75.80	10,603.28	-713.11	680.80	499.07	181.74	3.746	
20,468.32	9,810.00	19,885.07	9,643.00	95.95	92.52	75.80	10,603.28	-713.11	680.80	499.07	181.74	3.746	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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	0.90	0.00	0.00	-96.09	-21.30	-199.80	200.93					
100.00	100.00	99.10	100.00	0.77	0.76	-96.09	-21.30	-199.80	200.93	198.95	1.98	101.254		
200.00	200.00	199.10	200.00	1.44	1.43	-96.09	-21.30	-199.80	200.93	197.63	3.31	60.785		
300.00	300.00	299.10	300.00	1.88	1.88	-96.09	-21.30	-199.80	200.93	196.74	4.19	47.939		
400.00	400.00	399.10	400.00	2.25	2.24	-96.09	-21.30	-199.80	200.93	196.02	4.91	40.934		
500.00	500.00	499.10	500.00	2.56	2.56	-96.09	-21.30	-199.80	200.93	195.40	5.53	36.334		
600.00	600.00	599.10	600.00	2.84	2.84	-96.09	-21.30	-199.80	200.93	194.84	6.09	33.006		
700.00	700.00	699.10	700.00	3.10	3.10	-96.09	-21.30	-199.80	200.93	194.33	6.60	30.449		
800.00	800.00	799.10	800.00	3.34	3.34	-96.09	-21.30	-199.80	200.93	193.86	7.07	28.402		
900.00	900.00	899.10	900.00	3.57	3.57	-96.09	-21.30	-199.80	200.93	193.41	7.52	26.714		
1,000.00	1,000.00	999.10	1,000.00	3.79	3.78	-96.09	-21.30	-199.80	200.93	192.99	7.95	25.289		
1,100.00	1,100.00	1,099.10	1,100.00	3.99	3.99	-96.09	-21.30	-199.80	200.93	192.58	8.35	24.064		
1,200.00	1,200.00	1,199.10	1,200.00	4.19	4.19	-96.09	-21.30	-199.80	200.93	192.19	8.74	22.996		
1,300.00	1,300.00	1,299.10	1,300.00	4.38	4.37	-96.09	-21.30	-199.80	200.93	191.82	9.11	22.054		
1,400.00	1,400.00	1,399.10	1,400.00	4.56	4.56	-96.09	-21.30	-199.80	200.93	191.46	9.47	21.214		
1,500.00	1,500.00	1,499.10	1,500.00	4.74	4.73	-96.09	-21.30	-199.80	200.93	191.11	9.82	20.459		
1,600.00	1,599.98	1,599.08	1,599.98	5.00	4.91	9.00	-21.30	-199.80	199.21	188.96	10.25	19.434		
1,700.00	1,699.84	1,698.94	1,699.84	5.26	5.07	9.26	-21.30	-199.80	194.04	183.37	10.67	18.182		
1,800.00	1,799.45	1,798.55	1,799.45	5.54	5.24	9.72	-21.30	-199.80	185.44	174.34	11.10	16.701		
1,900.00	1,898.70	1,897.80	1,898.70	5.83	5.40	10.44	-21.30	-199.80	173.44	161.89	11.55	15.017		
2,000.00	1,997.47	1,996.57	1,997.47	6.15	5.55	11.53	-21.30	-199.80	158.08	146.07	12.01	13.162		
2,100.00	2,095.62	2,094.72	2,095.62	6.48	5.69	13.18	-21.30	-199.80	139.42	126.95	12.47	11.178		
2,200.00	2,193.06	2,192.16	2,193.06	6.84	5.82	15.80	-21.30	-199.80	117.61	104.67	12.93	9.094		
2,300.00	2,289.64	2,288.74	2,289.64	7.21	5.94	20.31	-21.30	-199.80	92.90	79.53	13.37	6.946		
2,375.00	2,361.46	2,360.56	2,361.46	7.45	6.03	26.35	-21.30	-199.80	72.90	59.29	13.61	5.357		
2,400.00	2,385.30	2,384.40	2,385.30	7.52	6.06	29.21	-21.30	-199.80	66.18	52.53	13.65	4.849		
2,475.00	2,456.83	2,455.93	2,456.83	7.76	6.15	42.33	-21.30	-199.80	47.48	33.84	13.64	3.482		
2,500.00	2,480.68	2,479.78	2,480.68	7.83	6.18	47.29	-21.30	-199.80	42.02	28.48	13.54	3.104		
2,600.00	2,576.09	2,575.24	2,576.13	8.20	6.35	86.77	-21.18	-198.82	28.40	15.22	13.17	2.156 Caution - Monitor Closely		
2,605.68	2,581.51	2,580.61	2,581.50	8.22	6.36	89.93	-21.16	-198.67	28.34	15.13	13.21	2.145 Caution - Monitor Closely, CC, ES, SF		
2,665.27	2,638.36	2,636.54	2,637.39	8.42	6.48	120.11	-20.90	-196.57	34.19	19.93	14.27	2.397 Caution - Monitor Closely		
2,700.00	2,671.48	2,668.76	2,669.57	8.53	6.54	133.95	-20.68	-194.87	42.01	27.17	14.84	2.831 Normal Operations		
2,800.00	2,766.85	2,760.01	2,760.55	8.91	6.74	154.34	-19.83	-188.10	73.59	57.79	15.80	4.657		
2,900.00	2,862.23	2,848.89	2,848.93	9.31	6.95	162.59	-18.66	-178.75	111.57	95.16	16.41	6.799		
3,000.00	2,957.60	2,935.33	2,934.56	9.72	7.17	166.79	-17.19	-167.04	153.36	136.40	16.95	9.047		
3,100.00	3,052.97	3,019.29	3,017.35	10.14	7.39	169.26	-15.46	-153.23	198.23	180.76	17.47	11.345		
3,200.00	3,148.34	3,100.80	3,097.31	10.56	7.62	170.86	-13.49	-137.52	245.87	227.88	17.99	13.670		
3,300.00	3,243.71	3,187.86	3,182.46	10.99	7.83	172.04	-11.24	-119.56	294.83	276.23	18.60	15.847		
3,400.00	3,339.08	3,274.91	3,267.62	11.43	8.05	172.88	-8.99	-101.60	343.86	324.62	19.24	17.869		
3,500.00	3,434.45	3,361.97	3,352.77	11.88	8.29	173.52	-6.73	-83.64	392.94	373.04	19.90	19.745		
3,600.00	3,529.82	3,449.03	3,437.93	12.33	8.54	174.01	-4.48	-65.68	442.04	421.47	20.58	21.483		
3,700.00	3,625.20	3,536.09	3,523.08	12.79	8.80	174.41	-2.23	-47.73	491.17	469.90	21.27	23.096		
3,800.00	3,720.57	3,623.15	3,608.24	13.25	9.07	174.73	0.02	-29.77	540.30	518.33	21.97	24.592		
3,900.00	3,815.94	3,710.20	3,693.39	13.71	9.36	175.00	2.27	-11.81	589.45	566.76	22.69	25.980		
4,000.00	3,911.31	3,797.26	3,778.55	14.18	9.65	175.23	4.53	6.15	638.61	615.19	23.42	27.270		
4,100.00	4,006.68	3,884.32	3,863.70	14.65	9.95	175.42	6.78	24.11	687.77	663.62	24.16	28.470		
4,200.00	4,102.05	3,971.38	3,948.86	15.12	10.26	175.59	9.03	42.07	736.94	712.04	24.91	29.586		
4,300.00	4,197.42	4,058.43	4,034.01	15.60	10.58	175.74	11.28	60.03	786.12	760.45	25.67	30.627		
4,400.00	4,292.79	4,145.49	4,119.17	16.07	10.90	175.87	13.53	77.99	835.29	808.86	26.43	31.600		
4,500.00	4,388.17	4,232.55	4,204.32	16.55	11.23	175.99	15.79	95.94	884.47	857.27	27.21	32.508		
4,600.00	4,483.54	4,319.61	4,289.48	17.04	11.57	176.09	18.04	113.90	933.66	905.67	27.99	33.359		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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					
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	4,578.91	4,406.66	4,374.64	17.52	11.91	176.19	20.29	131.86	982.84	954.07	28.78	34.156		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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								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	0.00	1.00	0.00	0.00	-90.37	-1.30	-200.00	200.01					
100.00	100.00	99.00	100.00	0.77	0.76	-90.37	-1.30	-200.00	200.00	198.02	1.98	100.824		
200.00	200.00	199.00	200.00	1.44	1.43	-90.37	-1.30	-200.00	200.00	196.70	3.30	60.517		
300.00	300.00	299.00	300.00	1.88	1.88	-90.37	-1.30	-200.00	200.00	195.81	4.19	47.723		
400.00	400.00	399.00	400.00	2.25	2.24	-90.37	-1.30	-200.00	200.00	195.10	4.91	40.747		
500.00	500.00	499.00	500.00	2.56	2.56	-90.37	-1.30	-200.00	200.00	194.47	5.53	36.168		
600.00	600.00	599.00	600.00	2.84	2.84	-90.37	-1.30	-200.00	200.00	193.92	6.09	32.855		
700.00	700.00	699.00	700.00	3.10	3.10	-90.37	-1.30	-200.00	200.00	193.41	6.60	30.310		
800.00	800.00	799.00	800.00	3.34	3.34	-90.37	-1.30	-200.00	200.00	192.93	7.07	28.272		
900.00	900.00	899.00	900.00	3.57	3.57	-90.37	-1.30	-200.00	200.00	192.48	7.52	26.591		
1,000.00	1,000.00	999.00	1,000.00	3.79	3.78	-90.37	-1.30	-200.00	200.00	192.06	7.95	25.173		
1,100.00	1,100.00	1,099.00	1,100.00	3.99	3.99	-90.37	-1.30	-200.00	200.00	191.65	8.35	23.953		
1,200.00	1,200.00	1,199.00	1,200.00	4.19	4.19	-90.37	-1.30	-200.00	200.00	191.27	8.74	22.890		
1,300.00	1,300.00	1,299.00	1,300.00	4.38	4.37	-90.37	-1.30	-200.00	200.00	190.89	9.11	21.952		
1,400.00	1,400.00	1,399.00	1,400.00	4.56	4.56	-90.37	-1.30	-200.00	200.00	190.53	9.47	21.116		
1,500.00	1,500.00	1,499.00	1,500.00	4.74	4.73	-90.37	-1.30	-200.00	200.00	190.18	9.82	20.365		
1,600.00	1,599.98	1,598.98	1,599.98	5.00	4.91	14.76	-1.30	-200.00	198.32	188.07	10.25	19.355		
1,700.00	1,699.84	1,698.84	1,699.84	5.26	5.07	15.19	-1.30	-200.00	193.26	182.60	10.66	18.125		
1,800.00	1,799.45	1,798.45	1,799.45	5.54	5.24	15.94	-1.30	-200.00	184.86	173.77	11.09	16.672		
1,900.00	1,898.70	1,897.70	1,898.70	5.83	5.40	17.11	-1.30	-200.00	173.17	161.65	11.52	15.027		
2,000.00	1,997.47	1,996.47	1,997.47	6.15	5.55	18.88	-1.30	-200.00	158.27	146.30	11.97	13.223		
2,100.00	2,095.62	2,096.39	2,097.39	6.48	5.69	21.80	-0.83	-199.34	139.73	127.32	12.41	11.263		
2,200.00	2,193.06	2,194.86	2,195.82	6.84	5.83	26.96	0.60	-197.29	117.32	104.52	12.81	9.162		
2,300.00	2,289.64	2,291.46	2,292.34	7.21	5.98	36.41	2.95	-193.93	92.37	79.27	13.11	7.048		
2,375.00	2,361.46	2,362.51	2,363.27	7.45	6.10	49.01	5.28	-190.61	74.04	60.93	13.11	5.648		
2,400.00	2,385.30	2,385.94	2,386.65	7.52	6.14	54.71	6.15	-189.36	68.70	55.66	13.04	5.269		
2,475.00	2,456.83	2,455.80	2,456.32	7.76	6.28	76.76	9.09	-185.16	58.37	45.57	12.80	4.562		
2,500.00	2,480.68	2,478.95	2,479.39	7.83	6.32	83.70	10.18	-183.61	57.44	44.66	12.77	4.497		
2,505.20	2,485.64	2,483.76	2,484.19	7.85	6.33	85.16	10.41	-183.28	57.41	44.62	12.79	4.489 CC, ES, SF		
2,600.00	2,576.09	2,571.93	2,571.98	8.20	6.53	110.26	14.38	-176.20	66.05	52.34	13.72	4.816		
2,665.27	2,638.36	2,631.84	2,631.53	8.42	6.67	122.65	16.39	-170.04	80.12	65.61	14.51	5.521		
2,700.00	2,671.48	2,663.34	2,662.81	8.53	6.75	129.72	17.22	-166.36	89.67	74.79	14.88	6.028		
2,800.00	2,766.85	2,753.24	2,751.89	8.91	6.96	144.24	18.79	-154.37	123.18	107.43	15.75	7.819		
2,900.00	2,862.23	2,843.51	2,841.28	9.31	7.19	152.78	20.13	-141.88	161.34	144.86	16.49	9.786		
3,000.00	2,957.60	2,933.77	2,930.66	9.72	7.43	158.08	21.47	-129.39	201.48	184.31	17.17	11.733		
3,100.00	3,052.97	3,024.04	3,020.05	10.14	7.69	161.65	22.81	-116.89	242.61	224.76	17.85	13.592		
3,200.00	3,148.34	3,114.31	3,109.44	10.56	7.95	164.19	24.16	-104.40	284.30	265.77	18.53	15.340		
3,300.00	3,243.71	3,204.57	3,198.83	10.99	8.23	166.08	25.50	-91.91	326.34	307.11	19.23	16.972		
3,400.00	3,339.08	3,294.84	3,288.22	11.43	8.51	167.55	26.84	-79.42	368.61	348.68	19.94	18.490		
3,500.00	3,434.45	3,385.11	3,377.61	11.88	8.81	168.71	28.18	-66.93	411.04	390.39	20.66	19.900		
3,600.00	3,529.82	3,475.37	3,467.00	12.33	9.11	169.66	29.52	-54.44	453.59	432.20	21.39	21.210		
3,700.00	3,625.20	3,565.64	3,556.38	12.79	9.41	170.44	30.86	-41.95	496.21	474.09	22.13	22.427		
3,800.00	3,720.57	3,655.91	3,645.77	13.25	9.73	171.10	32.20	-29.46	538.91	516.03	22.88	23.558		
3,900.00	3,815.94	3,746.18	3,735.16	13.71	10.05	171.67	33.54	-16.96	581.65	558.01	23.63	24.610		
4,000.00	3,911.31	3,836.44	3,824.55	14.18	10.37	172.16	34.88	-4.47	624.43	600.03	24.40	25.591		
4,100.00	4,006.68	3,926.71	3,913.94	14.65	10.70	172.58	36.23	8.02	667.24	642.07	25.17	26.505		
4,200.00	4,102.05	4,016.98	4,003.33	15.12	11.03	172.96	37.57	20.51	710.09	684.13	25.95	27.359		
4,300.00	4,197.42	4,107.24	4,092.71	15.60	11.36	173.29	38.91	33.00	752.95	726.21	26.74	28.157		
4,400.00	4,292.79	4,197.51	4,182.10	16.07	11.70	173.58	40.25	45.49	795.83	768.30	27.53	28.905		
4,500.00	4,388.17	4,287.78	4,271.49	16.55	12.05	173.85	41.59	57.98	838.73	810.40	28.33	29.606		
4,600.00	4,483.54	4,380.30	4,363.12	17.04	12.38	174.09	42.96	70.77	881.62	852.48	29.14	30.258		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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	
4,700.00	4,578.91	4,488.05	4,469.98	17.52	12.78	174.35	44.43	84.41	923.46	893.35	30.11	30.667		
4,800.00	4,674.28	4,597.64	4,578.93	18.01	13.19	174.58	45.70	96.23	963.58	932.49	31.10	30.987		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 903H - OWB - PWP2													Offset Site Error: 0.00 usft	
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9992-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.00 usft	
Reference		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	0.90	0.00	0.00	-73.67	58.70	-200.40	208.82					
100.00	100.00	99.10	100.00	0.77	0.76	-73.67	58.70	-200.40	208.82	206.84	1.98	105.229		
200.00	200.00	199.10	200.00	1.44	1.43	-73.67	58.70	-200.40	208.82	205.51	3.31	63.172		
300.00	300.00	299.10	300.00	1.88	1.88	-73.67	58.70	-200.40	208.82	204.63	4.19	49.821		
400.00	400.00	399.10	400.00	2.25	2.24	-73.67	58.70	-200.40	208.82	203.91	4.91	42.540		
500.00	500.00	499.10	500.00	2.56	2.56	-73.67	58.70	-200.40	208.82	203.29	5.53	37.760		
600.00	600.00	599.10	600.00	2.84	2.84	-73.67	58.70	-200.40	208.82	202.73	6.09	34.302		
700.00	700.00	699.10	700.00	3.10	3.10	-73.67	58.70	-200.40	208.82	202.22	6.60	31.645		
800.00	800.00	799.10	800.00	3.34	3.34	-73.67	58.70	-200.40	208.82	201.75	7.07	29.517		
900.00	900.00	899.10	900.00	3.57	3.57	-73.67	58.70	-200.40	208.82	201.30	7.52	27.763		
1,000.00	1,000.00	999.10	1,000.00	3.79	3.78	-73.67	58.70	-200.40	208.82	200.87	7.95	26.281		
1,100.00	1,100.00	1,099.10	1,100.00	3.99	3.99	-73.67	58.70	-200.40	208.82	200.47	8.35	25.009		
1,200.00	1,200.00	1,199.10	1,200.00	4.19	4.19	-73.67	58.70	-200.40	208.82	200.08	8.74	23.899		
1,300.00	1,300.00	1,299.10	1,300.00	4.38	4.37	-73.67	58.70	-200.40	208.82	199.71	9.11	22.920		
1,400.00	1,400.00	1,399.10	1,400.00	4.56	4.56	-73.67	58.70	-200.40	208.82	199.35	9.47	22.047		
1,500.00	1,500.00	1,499.10	1,500.00	4.74	4.73	-73.67	58.70	-200.40	208.82	199.00	9.82	21.262		
1,600.00	1,599.98	1,599.08	1,599.98	5.00	4.91	31.59	58.70	-200.40	207.33	197.11	10.23	20.277		
1,700.00	1,699.84	1,698.94	1,699.84	5.26	5.07	32.41	58.70	-200.40	202.89	192.28	10.62	19.111		
1,800.00	1,799.45	1,798.55	1,799.45	5.54	5.24	33.86	58.70	-200.40	195.58	184.58	11.01	17.767		
1,900.00	1,898.70	1,897.80	1,898.70	5.83	5.40	36.07	58.70	-200.40	185.57	174.17	11.40	16.280		
2,000.00	1,997.47	1,996.57	1,997.47	6.15	5.55	39.27	58.70	-200.40	173.13	161.35	11.78	14.699		
2,100.00	2,095.62	2,089.76	2,090.64	6.48	5.76	43.60	59.51	-201.55	160.19	148.00	12.19	13.146		
2,200.00	2,193.06	2,182.76	2,183.54	6.84	5.97	49.54	62.08	-205.15	149.27	136.72	12.55	11.896		
2,300.00	2,289.64	2,275.67	2,276.14	7.21	6.20	57.17	66.38	-211.20	141.58	128.73	12.84	11.022		
2,375.00	2,361.46	2,345.21	2,345.28	7.45	6.38	63.85	70.73	-217.33	138.80	125.81	12.99	10.685		
2,398.00	2,383.40	2,366.53	2,366.44	7.51	6.43	65.99	72.27	-219.49	138.61	125.59	13.02	10.648 CC		
2,400.00	2,385.30	2,368.39	2,368.27	7.52	6.44	66.17	72.40	-219.68	138.61	125.59	13.02	10.646 ES, SF		
2,475.00	2,456.83	2,439.75	2,438.97	7.76	6.60	73.15	78.06	-227.64	140.46	127.31	13.15	10.682		
2,500.00	2,480.68	2,464.04	2,463.02	7.83	6.65	73.88	80.02	-230.39	141.53	128.35	13.18	10.737		
2,600.00	2,576.09	2,561.45	2,559.48	8.20	6.87	76.15	87.87	-241.44	145.99	132.47	13.51	10.804		
2,665.27	2,638.36	2,625.20	2,622.61	8.42	7.02	77.24	93.01	-248.68	148.79	135.10	13.69	10.867		
2,700.00	2,671.48	2,659.15	2,656.23	8.53	7.10	79.92	95.75	-252.53	150.40	136.62	13.78	10.913		
2,800.00	2,766.85	2,756.91	2,753.03	8.91	7.35	87.27	103.63	-263.62	156.86	142.71	14.15	11.087		
2,900.00	2,862.23	2,854.66	2,849.84	9.31	7.61	93.96	111.52	-274.71	165.76	151.19	14.57	11.375		
3,000.00	2,957.60	2,952.42	2,946.64	9.72	7.89	99.92	119.40	-285.80	176.74	161.69	15.05	11.745		
3,100.00	3,052.97	3,050.17	3,043.44	10.14	8.19	105.16	127.28	-296.90	189.44	173.87	15.57	12.167		
3,200.00	3,148.34	3,147.92	3,140.24	10.56	8.49	109.72	135.17	-307.99	203.53	187.40	16.13	12.619		
3,300.00	3,243.71	3,245.95	3,237.33	10.99	8.80	113.72	143.01	-319.03	218.73	202.01	16.72	13.085		
3,400.00	3,339.08	3,344.27	3,334.88	11.43	9.12	117.52	150.13	-329.04	234.64	217.28	17.36	13.520		
3,500.00	3,434.45	3,442.16	3,432.19	11.88	9.44	121.20	156.25	-337.66	251.27	233.25	18.02	13.944		
3,600.00	3,529.82	3,539.56	3,529.19	12.33	9.75	124.76	161.38	-344.88	268.75	250.03	18.72	14.355		
3,700.00	3,625.20	3,636.42	3,625.78	12.79	10.05	128.20	165.54	-350.73	287.18	267.72	19.46	14.760		
3,800.00	3,720.57	3,732.69	3,721.90	13.25	10.34	131.51	168.73	-355.22	306.65	286.43	20.22	15.164		
3,900.00	3,815.94	3,828.33	3,817.45	13.71	10.61	134.70	170.98	-358.38	327.25	306.24	21.01	15.575		
4,000.00	3,911.31	3,923.29	3,912.38	14.18	10.85	137.75	172.29	-360.23	349.05	327.23	21.82	15.999		
4,100.00	4,006.68	4,017.59	4,006.68	14.65	11.03	140.66	172.70	-360.80	372.11	349.48	22.63	16.446		
4,200.00	4,102.05	4,112.96	4,102.05	15.12	11.11	143.38	172.70	-360.80	396.24	372.78	23.45	16.895		
4,300.00	4,197.42	4,208.33	4,197.42	15.60	11.18	145.78	172.70	-360.80	421.13	396.87	24.26	17.363		
4,400.00	4,292.79	4,303.70	4,292.79	16.07	11.25	147.92	172.70	-360.80	446.66	421.62	25.04	17.835		
4,500.00	4,388.17	4,399.08	4,388.17	16.55	11.32	149.84	172.70	-360.80	472.72	446.90	25.82	18.309		
4,600.00	4,483.54	4,494.45	4,483.54	17.04	11.39	151.55	172.70	-360.80	499.24	472.65	26.58	18.779		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 903H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9992-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		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	
4,700.00	4,578.91	4,589.82	4,578.91	17.52	11.46	153.10	172.70	-360.80	526.14	498.80	27.34	19.244	
4,800.00	4,674.28	4,685.19	4,674.28	18.01	11.53	154.50	172.70	-360.80	553.36	525.27	28.09	19.701	
4,900.00	4,769.65	4,780.56	4,769.65	18.49	11.60	155.76	172.70	-360.80	580.87	552.04	28.83	20.150	
5,000.00	4,865.02	4,875.93	4,865.02	18.98	11.67	156.92	172.70	-360.80	608.61	579.05	29.56	20.588	
5,100.00	4,960.39	4,971.30	4,960.39	19.47	11.74	157.97	172.70	-360.80	636.57	606.28	30.29	21.016	
5,200.00	5,055.77	5,066.67	5,055.77	19.96	11.81	158.94	172.70	-360.80	664.72	633.70	31.01	21.433	
5,300.00	5,151.14	5,162.05	5,151.14	20.45	11.88	159.83	172.70	-360.80	693.02	661.29	31.74	21.838	
5,400.00	5,246.51	5,257.42	5,246.51	20.95	11.95	160.65	172.70	-360.80	721.47	689.02	32.45	22.231	
5,500.00	5,341.88	5,352.79	5,341.88	21.44	12.02	161.41	172.70	-360.80	750.05	716.88	33.17	22.613	
5,600.00	5,437.25	5,448.16	5,437.25	21.94	12.09	162.11	172.70	-360.80	778.74	744.85	33.88	22.984	
5,700.00	5,532.62	5,543.53	5,532.62	22.43	12.16	162.76	172.70	-360.80	807.53	772.93	34.59	23.343	
5,800.00	5,627.99	5,638.90	5,627.99	22.93	12.24	163.37	172.70	-360.80	836.40	801.10	35.30	23.691	
5,900.00	5,723.36	5,734.27	5,723.36	23.43	12.31	163.94	172.70	-360.80	865.37	829.35	36.01	24.029	
6,000.00	5,818.74	5,829.64	5,818.74	23.93	12.38	164.47	172.70	-360.80	894.40	857.68	36.72	24.356	
6,100.00	5,914.11	5,925.02	5,914.11	24.43	12.45	164.97	172.70	-360.80	923.50	886.07	37.43	24.673	
6,200.00	6,009.48	6,020.39	6,009.48	24.93	12.52	165.43	172.70	-360.80	952.66	914.52	38.14	24.980	
6,273.43	6,079.51	6,090.41	6,079.51	25.29	12.57	165.76	172.70	-360.80	974.11	935.46	38.65	25.205	
6,300.00	6,104.89	6,115.80	6,104.89	25.41	12.59	165.91	172.70	-360.80	981.76	942.93	38.83	25.285	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	1.00	0.00	0.00	-79.06	38.70	-200.30	204.01				
100.00	100.00	99.00	100.00	0.77	0.76	-79.06	38.70	-200.30	204.00	202.02	1.98	102.841	
200.00	200.00	199.00	200.00	1.44	1.43	-79.06	38.70	-200.30	204.00	200.70	3.30	61.727	
300.00	300.00	299.00	300.00	1.88	1.88	-79.06	38.70	-200.30	204.00	199.81	4.19	48.677	
400.00	400.00	399.00	400.00	2.25	2.24	-79.06	38.70	-200.30	204.00	199.10	4.91	41.562	
500.00	500.00	499.00	500.00	2.56	2.56	-79.06	38.70	-200.30	204.00	198.47	5.53	36.891	
600.00	600.00	599.00	600.00	2.84	2.84	-79.06	38.70	-200.30	204.00	197.92	6.09	33.512	
700.00	700.00	699.00	700.00	3.10	3.10	-79.06	38.70	-200.30	204.00	197.41	6.60	30.916	
800.00	800.00	799.00	800.00	3.34	3.34	-79.06	38.70	-200.30	204.00	196.93	7.07	28.838	
900.00	900.00	899.00	900.00	3.57	3.57	-79.06	38.70	-200.30	204.00	196.48	7.52	27.123	
1,000.00	1,000.00	999.00	1,000.00	3.79	3.78	-79.06	38.70	-200.30	204.00	196.06	7.95	25.676	
1,100.00	1,100.00	1,099.00	1,100.00	3.99	3.99	-79.06	38.70	-200.30	204.00	195.65	8.35	24.432	
1,200.00	1,200.00	1,199.00	1,200.00	4.19	4.19	-79.06	38.70	-200.30	204.00	195.27	8.74	23.348	
1,300.00	1,300.00	1,299.00	1,300.00	4.38	4.37	-79.06	38.70	-200.30	204.00	194.89	9.11	22.392	
1,400.00	1,400.00	1,399.00	1,400.00	4.56	4.56	-79.06	38.70	-200.30	204.00	194.53	9.47	21.539	
1,500.00	1,500.00	1,499.00	1,500.00	4.74	4.73	-79.06	38.70	-200.30	204.00	194.18	9.82	20.772	
1,600.00	1,599.98	1,598.98	1,599.98	5.00	4.91	26.17	38.70	-200.30	202.44	192.20	10.23	19.783	
1,700.00	1,699.84	1,698.84	1,699.84	5.26	5.07	26.88	38.70	-200.30	197.75	187.12	10.63	18.596	
1,800.00	1,799.45	1,798.45	1,799.45	5.54	5.24	28.14	38.70	-200.30	190.02	178.98	11.04	17.214	
1,900.00	1,898.70	1,897.70	1,898.70	5.83	5.40	30.08	38.70	-200.30	179.35	167.90	11.44	15.670	
2,000.00	1,997.47	1,996.47	1,997.47	6.15	5.55	32.92	38.70	-200.30	165.96	154.11	11.85	14.009	
2,100.00	2,095.62	2,089.99	2,090.98	6.48	5.76	36.70	38.91	-201.70	151.67	139.39	12.29	12.345	
2,200.00	2,193.06	2,183.72	2,184.59	6.84	5.98	41.72	39.58	-206.12	138.65	125.97	12.68	10.932	
2,300.00	2,289.64	2,277.83	2,278.40	7.21	6.20	48.19	40.72	-213.61	127.56	114.55	13.02	9.800	
2,375.00	2,361.46	2,348.66	2,348.80	7.45	6.39	54.06	41.87	-221.25	121.03	107.86	13.17	9.189	
2,400.00	2,385.30	2,372.33	2,372.28	7.52	6.45	56.13	42.32	-224.19	119.33	106.13	13.20	9.041	
2,475.00	2,456.83	2,443.69	2,442.92	7.76	6.64	62.33	43.84	-234.20	116.28	102.97	13.31	8.737	
2,500.00	2,480.68	2,467.60	2,466.52	7.83	6.71	62.73	44.40	-237.95	115.82	102.48	13.33	8.686	
2,600.00	2,576.09	2,565.50	2,562.97	8.20	6.96	63.61	46.92	-254.58	114.40	100.79	13.60	8.410	
2,665.27	2,638.36	2,630.13	2,626.62	8.42	7.11	63.94	48.60	-265.67	112.82	99.09	13.73	8.215	
2,700.00	2,671.48	2,664.53	2,660.50	8.53	7.20	66.31	49.50	-271.58	111.90	98.11	13.79	8.114	
2,800.00	2,766.85	2,763.58	2,758.04	8.91	7.46	73.30	52.07	-288.58	110.36	96.32	14.04	7.861	
2,840.28	2,805.27	2,803.48	2,797.33	9.07	7.57	76.15	53.11	-295.43	110.22	96.07	14.15	7.790 CC, ES	
2,900.00	2,862.23	2,862.63	2,855.59	9.31	7.74	80.37	54.65	-305.58	110.53	96.20	14.33	7.714	
3,000.00	2,957.60	2,961.68	2,953.13	9.72	8.03	87.32	57.23	-322.59	112.39	97.70	14.69	7.651	
3,100.00	3,052.97	3,060.73	3,050.68	10.14	8.34	93.95	59.80	-339.59	115.87	100.72	15.15	7.649 SF	
3,200.00	3,148.34	3,159.78	3,148.22	10.56	8.66	100.12	62.38	-356.60	120.82	105.11	15.71	7.691	
3,300.00	3,243.71	3,258.83	3,245.77	10.99	8.99	105.76	64.95	-373.60	127.08	110.71	16.37	7.764	
3,400.00	3,339.08	3,357.88	3,343.31	11.43	9.34	110.83	67.53	-390.60	134.46	117.35	17.11	7.860	
3,500.00	3,434.45	3,456.92	3,440.86	11.88	9.69	115.35	70.10	-407.61	142.78	124.87	17.90	7.974	
3,600.00	3,529.82	3,555.97	3,538.40	12.33	10.05	119.35	72.68	-424.61	151.90	133.15	18.75	8.102	
3,700.00	3,625.20	3,655.02	3,635.95	12.79	10.41	122.89	75.26	-441.61	161.67	142.05	19.62	8.239	
3,800.00	3,720.57	3,754.07	3,733.49	13.25	10.79	126.02	77.83	-458.62	171.99	151.48	20.51	8.384	
3,900.00	3,815.94	3,853.12	3,831.03	13.71	11.17	128.79	80.41	-475.62	182.76	161.34	21.42	8.532	
4,000.00	3,911.31	3,952.17	3,928.58	14.18	11.55	131.25	82.98	-492.63	193.91	171.58	22.33	8.682	
4,100.00	4,006.68	4,051.22	4,026.12	14.65	11.94	133.44	85.56	-509.63	205.38	182.13	23.25	8.832	
4,200.00	4,102.05	4,150.27	4,123.67	15.12	12.33	135.40	88.14	-526.63	217.11	192.94	24.17	8.981	
4,300.00	4,197.42	4,249.32	4,221.21	15.60	12.73	137.15	90.71	-543.64	229.07	203.98	25.10	9.127	
4,400.00	4,292.79	4,348.37	4,318.76	16.07	13.13	138.73	93.29	-560.64	241.22	215.20	26.02	9.270	
4,500.00	4,388.17	4,447.42	4,416.30	16.55	13.53	140.16	95.86	-577.64	253.54	226.59	26.94	9.410	
4,600.00	4,483.54	4,546.47	4,513.85	17.04	13.94	141.46	98.44	-594.65	265.99	238.13	27.87	9.545	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	
4,700.00	4,578.91	4,645.52	4,611.39	17.52	14.35	142.64	101.01	-611.65	278.57	249.78	28.79	9.675	
4,800.00	4,674.28	4,744.56	4,708.94	18.01	14.76	143.72	103.59	-628.66	291.26	261.54	29.72	9.802	
4,900.00	4,769.65	4,843.61	4,806.48	18.49	15.18	144.70	106.17	-645.66	304.04	273.40	30.64	9.923	
5,000.00	4,865.02	4,942.66	4,904.03	18.98	15.60	145.61	108.74	-662.66	316.90	285.34	31.56	10.041	
5,100.00	4,960.39	5,041.71	5,001.57	19.47	16.01	146.45	111.32	-679.67	329.83	297.35	32.48	10.154	
5,200.00	5,055.77	5,140.76	5,099.12	19.96	16.43	147.22	113.89	-696.67	342.83	309.42	33.41	10.262	
5,300.00	5,151.14	5,239.81	5,196.66	20.45	16.86	147.94	116.47	-713.67	355.88	321.55	34.33	10.367	
5,400.00	5,246.51	5,338.86	5,294.21	20.95	17.28	148.61	119.05	-730.68	368.98	333.73	35.25	10.467	
5,500.00	5,341.88	5,437.91	5,391.75	21.44	17.71	149.23	121.62	-747.68	382.14	345.96	36.17	10.564	
5,600.00	5,437.25	5,536.96	5,489.30	21.94	18.13	149.81	124.20	-764.69	395.33	358.23	37.10	10.657	
5,700.00	5,532.62	5,635.40	5,586.24	22.43	18.55	150.35	126.76	-781.57	408.57	370.56	38.01	10.750	
5,800.00	5,627.99	5,729.10	5,678.68	22.93	18.94	150.91	129.05	-796.73	422.60	383.71	38.89	10.867	
5,900.00	5,723.36	5,822.36	5,770.91	23.43	19.33	151.57	131.11	-810.34	437.93	398.15	39.79	11.007	
6,000.00	5,818.74	5,915.13	5,862.88	23.93	19.71	152.30	132.94	-822.39	454.58	413.89	40.69	11.172	
6,100.00	5,914.11	6,007.36	5,954.50	24.43	20.08	153.09	134.53	-832.92	472.57	430.97	41.60	11.361	
6,200.00	6,009.48	6,100.00	6,046.68	24.93	20.44	153.93	135.91	-842.02	491.91	449.40	42.51	11.572	
6,273.43	6,079.51	6,165.94	6,112.37	25.29	20.69	154.55	136.76	-847.60	506.99	463.84	43.14	11.751	
6,300.00	6,104.89	6,190.10	6,136.46	25.41	20.78	154.83	137.04	-849.46	512.52	469.14	43.37	11.817	
6,400.00	6,201.02	6,281.06	6,227.21	25.93	21.10	155.77	137.96	-855.55	532.24	488.01	44.23	12.033	
6,500.00	6,298.06	6,372.09	6,318.12	26.42	21.41	156.59	138.67	-860.22	550.21	505.18	45.03	12.219	
6,600.00	6,395.88	6,463.20	6,409.16	26.91	21.69	157.30	139.16	-863.47	566.39	520.63	45.76	12.377	
6,700.00	6,494.37	6,554.36	6,500.30	27.37	21.93	157.92	139.44	-865.28	580.77	534.34	46.42	12.511	
6,800.00	6,593.40	6,647.45	6,593.40	27.82	22.06	158.46	139.50	-865.70	593.26	546.27	46.99	12.624	
6,900.00	6,692.85	6,746.90	6,692.85	28.24	22.10	158.89	139.50	-865.70	602.96	555.42	47.54	12.684	
7,000.00	6,792.60	6,846.66	6,792.60	28.62	22.13	159.17	139.50	-865.70	609.42	561.41	48.02	12.691	
7,100.00	6,892.54	6,946.59	6,892.54	28.94	22.17	159.31	139.50	-865.70	612.64	564.22	48.41	12.654	
7,148.46	6,941.00	6,995.05	6,941.00	29.00	22.18	67.00	139.50	-865.70	613.02	564.52	48.50	12.640	
7,200.00	6,992.54	7,046.59	6,992.54	29.00	22.20	67.00	139.50	-865.70	613.02	564.50	48.52	12.634	
7,300.00	7,092.54	7,146.59	7,092.54	29.03	22.24	67.00	139.50	-865.70	613.02	564.44	48.59	12.617	
7,400.00	7,192.54	7,246.59	7,192.54	29.05	22.28	67.00	139.50	-865.70	613.02	564.37	48.65	12.601	
7,500.00	7,292.54	7,346.59	7,292.54	29.08	22.31	67.00	139.50	-865.70	613.02	564.31	48.71	12.584	
7,600.00	7,392.54	7,446.59	7,392.54	29.10	22.35	67.00	139.50	-865.70	613.02	564.24	48.78	12.568	
7,700.00	7,492.54	7,546.59	7,492.54	29.13	22.39	67.00	139.50	-865.70	613.02	564.18	48.84	12.551	
7,800.00	7,592.54	7,646.59	7,592.54	29.15	22.42	67.00	139.50	-865.70	613.02	564.11	48.91	12.534	
7,900.00	7,692.54	7,746.59	7,692.54	29.18	22.46	67.00	139.50	-865.70	613.02	564.05	48.97	12.517	
8,000.00	7,792.54	7,846.59	7,792.54	29.20	22.50	67.00	139.50	-865.70	613.02	563.98	49.04	12.500	
8,100.00	7,892.54	7,946.59	7,892.54	29.23	22.54	67.00	139.50	-865.70	613.02	563.91	49.11	12.483	
8,200.00	7,992.54	8,046.59	7,992.54	29.26	22.58	67.00	139.50	-865.70	613.02	563.85	49.17	12.466	
8,300.00	8,092.54	8,146.59	8,092.54	29.28	22.61	67.00	139.50	-865.70	613.02	563.78	49.24	12.449	
8,400.00	8,192.54	8,246.59	8,192.54	29.31	22.65	67.00	139.50	-865.70	613.02	563.71	49.31	12.432	
8,500.00	8,292.54	8,346.59	8,292.54	29.34	22.69	67.00	139.50	-865.70	613.02	563.64	49.38	12.415	
8,600.00	8,392.54	8,446.59	8,392.54	29.36	22.73	67.00	139.50	-865.70	613.02	563.57	49.45	12.397	
8,700.00	8,492.54	8,546.59	8,492.54	29.39	22.77	67.00	139.50	-865.70	613.02	563.50	49.52	12.380	
8,800.00	8,592.54	8,646.59	8,592.54	29.42	22.81	67.00	139.50	-865.70	613.02	563.43	49.59	12.362	
8,900.00	8,692.54	8,746.59	8,692.54	29.45	22.85	67.00	139.50	-865.70	613.02	563.36	49.66	12.345	
9,000.00	8,792.54	8,846.59	8,792.54	29.47	22.89	67.00	139.50	-865.70	613.02	563.29	49.73	12.327	
9,100.00	8,892.54	8,946.59	8,892.54	29.50	22.93	67.00	139.50	-865.70	613.02	563.22	49.80	12.310	
9,200.00	8,992.54	9,046.59	8,992.54	29.53	22.97	67.00	139.50	-865.70	613.02	563.15	49.87	12.292	
9,300.00	9,092.54	9,146.59	9,092.54	29.56	23.01	67.00	139.50	-865.70	613.02	563.08	49.94	12.274	
9,400.00	9,192.54	9,246.59	9,192.54	29.59	23.05	67.00	139.50	-865.70	613.02	563.01	50.02	12.257	
9,493.01	9,285.55	9,339.60	9,285.55	29.61	23.09	67.00	139.50	-865.70	613.02	562.94	50.08	12.241	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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	
9,500.00	9,292.54	9,346.59	9,292.54	29.61	23.10	66.01	139.50	-865.70	613.00	562.91	50.09	12.239	
9,525.00	9,317.51	9,371.57	9,317.51	29.62	23.11	66.14	139.50	-865.70	612.59	562.47	50.12	12.223	
9,550.00	9,342.40	9,396.46	9,342.40	29.62	23.12	66.44	139.50	-865.70	611.65	561.48	50.17	12.191	
9,575.00	9,367.13	9,421.19	9,367.13	29.62	23.13	66.91	139.50	-865.70	610.20	559.95	50.25	12.144	
9,600.00	9,391.64	9,445.70	9,391.64	29.62	23.14	67.55	139.50	-865.70	608.26	557.92	50.35	12.082	
9,625.00	9,415.86	9,469.92	9,415.86	29.62	23.15	68.34	139.50	-865.70	605.88	555.41	50.46	12.006	
9,650.00	9,439.72	9,493.78	9,439.72	29.62	23.16	69.29	139.50	-865.70	603.07	552.47	50.60	11.918	
9,675.00	9,463.16	9,517.22	9,463.16	29.63	23.17	70.38	139.50	-865.70	599.90	549.14	50.76	11.819	
9,700.00	9,486.11	9,540.17	9,486.11	29.63	23.18	71.61	139.50	-865.70	596.42	545.49	50.93	11.710	
9,725.00	9,508.52	9,562.57	9,508.52	29.63	23.19	72.96	139.50	-865.70	592.70	541.58	51.12	11.595	
9,750.00	9,530.31	9,584.36	9,530.31	29.63	23.19	74.43	139.50	-865.70	588.81	537.49	51.32	11.474	
9,775.00	9,551.43	9,605.48	9,551.43	29.63	23.20	75.97	139.50	-865.70	584.81	533.30	51.52	11.351	
9,800.00	9,571.82	9,625.87	9,571.82	29.64	23.21	77.59	139.50	-865.70	580.82	529.09	51.73	11.229	
9,825.00	9,591.42	9,645.48	9,591.42	29.64	23.22	79.25	139.50	-865.70	576.90	524.97	51.93	11.109	
9,850.00	9,610.19	9,664.25	9,610.19	29.65	23.23	80.93	139.50	-865.70	573.16	521.03	52.13	10.994	
9,875.00	9,628.07	9,682.13	9,628.07	29.65	23.24	82.59	139.50	-865.70	569.70	517.38	52.32	10.889	
9,900.00	9,645.01	9,699.06	9,645.01	29.66	23.24	84.22	139.50	-865.70	566.61	514.12	52.49	10.795	
9,925.00	9,660.96	9,715.02	9,660.96	29.66	23.25	85.78	139.50	-865.70	564.01	511.37	52.64	10.715	
9,950.00	9,675.89	9,729.94	9,675.89	29.67	23.26	87.24	139.50	-865.70	561.99	509.23	52.75	10.653	
9,975.00	9,689.74	9,743.80	9,689.74	29.68	23.26	88.58	139.50	-865.70	560.64	507.80	52.83	10.611	
10,000.00	9,702.49	9,756.55	9,702.49	29.69	23.27	89.78	139.50	-865.70	560.05	507.18	52.87	10.592	
10,005.13	9,704.97	9,759.02	9,704.97	29.69	23.27	90.00	139.50	-865.70	560.03	507.16	52.88	10.591	
10,025.00	9,714.10	9,768.15	9,714.10	29.70	23.27	90.80	139.50	-865.70	560.31	507.44	52.87	10.598	
10,050.00	9,724.53	9,778.58	9,724.53	29.72	23.28	91.62	139.50	-865.70	561.49	508.67	52.81	10.631	
10,075.00	9,733.75	9,787.81	9,733.75	29.73	23.28	92.24	139.50	-865.70	563.63	510.93	52.71	10.694	
10,100.00	9,741.75	9,795.81	9,741.75	29.75	23.28	92.63	139.50	-865.70	566.79	514.24	52.55	10.786	
10,125.00	9,748.50	9,802.55	9,748.50	29.76	23.29	92.78	139.50	-865.70	571.00	518.66	52.34	10.909	
10,150.00	9,753.98	9,808.03	9,753.98	29.78	23.29	92.69	139.50	-865.70	576.25	524.17	52.08	11.064	
10,175.00	9,758.17	9,812.23	9,758.17	29.80	23.29	92.33	139.50	-865.70	582.54	530.77	51.78	11.251	
10,200.00	9,761.07	9,815.12	9,761.07	29.83	23.29	91.70	139.50	-865.70	589.86	538.43	51.43	11.468	
10,225.00	9,762.67	9,816.72	9,762.67	29.85	23.29	90.81	139.50	-865.70	598.16	547.11	51.05	11.716	
10,240.81	9,763.00	9,817.05	9,763.00	29.87	23.29	90.11	139.50	-865.70	603.90	553.10	50.80	11.888	
10,300.00	9,763.27	9,817.33	9,763.27	29.94	23.29	90.13	139.50	-865.70	628.45	578.67	49.77	12.626	
10,400.00	9,763.73	9,817.79	9,763.73	30.08	23.29	90.18	139.50	-865.70	679.69	631.76	47.93	14.180	
10,500.00	9,764.19	9,818.24	9,764.19	30.24	23.29	90.23	139.50	-865.70	740.95	694.81	46.14	16.059	
10,600.00	9,764.65	9,818.70	9,764.65	30.43	23.29	90.27	139.50	-865.70	809.96	765.43	44.53	18.189	
10,700.00	9,765.11	9,819.16	9,765.11	30.64	23.29	90.32	139.50	-865.70	884.90	841.76	43.15	20.509	
10,800.00	9,765.57	9,819.62	9,765.57	30.87	23.29	90.37	139.50	-865.70	964.41	922.42	41.99	22.969	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		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	1.00	0.00	0.00	-84.66	18.70	-200.10	200.97				
100.00	100.00	99.00	100.00	0.77	0.76	-84.66	18.70	-200.10	200.97	198.99	1.98	101.312	
200.00	200.00	199.00	200.00	1.44	1.43	-84.66	18.70	-200.10	200.97	197.67	3.30	60.809	
300.00	300.00	299.00	300.00	1.88	1.88	-84.66	18.70	-200.10	200.97	196.78	4.19	47.954	
400.00	400.00	399.00	400.00	2.25	2.24	-84.66	18.70	-200.10	200.97	196.06	4.91	40.945	
500.00	500.00	499.00	500.00	2.56	2.56	-84.66	18.70	-200.10	200.97	195.44	5.53	36.343	
600.00	600.00	599.00	600.00	2.84	2.84	-84.66	18.70	-200.10	200.97	194.88	6.09	33.014	
700.00	700.00	699.00	700.00	3.10	3.10	-84.66	18.70	-200.10	200.97	194.37	6.60	30.457	
800.00	800.00	799.00	800.00	3.34	3.34	-84.66	18.70	-200.10	200.97	193.90	7.07	28.409	
900.00	900.00	899.00	900.00	3.57	3.57	-84.66	18.70	-200.10	200.97	193.45	7.52	26.720	
1,000.00	1,000.00	999.00	1,000.00	3.79	3.78	-84.66	18.70	-200.10	200.97	193.03	7.95	25.294	
1,100.00	1,100.00	1,099.00	1,100.00	3.99	3.99	-84.66	18.70	-200.10	200.97	192.62	8.35	24.069	
1,200.00	1,200.00	1,199.00	1,200.00	4.19	4.19	-84.66	18.70	-200.10	200.97	192.23	8.74	23.001	
1,300.00	1,300.00	1,299.00	1,300.00	4.38	4.37	-84.66	18.70	-200.10	200.97	191.86	9.11	22.059	
1,400.00	1,400.00	1,399.00	1,400.00	4.56	4.56	-84.66	18.70	-200.10	200.97	191.50	9.47	21.219	
1,500.00	1,500.00	1,499.00	1,500.00	4.74	4.73	-84.66	18.70	-200.10	200.97	191.15	9.82	20.463	
1,600.00	1,599.98	1,598.98	1,599.98	5.00	4.91	20.52	18.70	-200.10	199.34	189.10	10.24	19.466	
1,700.00	1,699.84	1,698.84	1,699.84	5.26	5.07	21.10	18.70	-200.10	194.44	183.79	10.65	18.258	
1,800.00	1,799.45	1,798.45	1,799.45	5.54	5.24	22.13	18.70	-200.10	186.34	175.27	11.07	16.839	
1,900.00	1,898.70	1,897.70	1,898.70	5.83	5.40	23.72	18.70	-200.10	175.10	163.61	11.49	15.242	
2,000.00	1,997.47	1,996.47	1,997.47	6.15	5.55	26.08	18.70	-200.10	160.88	148.96	11.91	13.504	
2,100.00	2,095.62	2,090.20	2,091.18	6.48	5.76	29.26	18.70	-201.52	145.37	132.99	12.38	11.739	
2,200.00	2,193.06	2,184.21	2,185.08	6.84	5.96	33.52	18.70	-206.02	130.59	117.78	12.82	10.190	
2,300.00	2,289.64	2,278.69	2,279.25	7.21	6.16	39.21	18.70	-213.65	117.00	103.81	13.19	8.872	
2,375.00	2,361.46	2,349.87	2,350.00	7.45	6.31	44.62	18.70	-221.44	107.98	94.62	13.36	8.081	
2,400.00	2,385.30	2,373.67	2,373.61	7.52	6.36	46.59	18.70	-224.44	105.34	91.95	13.39	7.866	
2,475.00	2,456.83	2,445.47	2,444.67	7.76	6.51	52.67	18.70	-234.66	99.29	85.79	13.50	7.357	
2,500.00	2,480.68	2,469.52	2,468.42	7.83	6.56	53.07	18.70	-238.49	97.79	84.28	13.51	7.236	
2,600.00	2,576.09	2,566.35	2,563.67	8.20	6.76	53.59	18.70	-255.90	92.77	79.02	13.75	6.746	
2,665.27	2,638.36	2,629.97	2,625.90	8.42	6.89	52.88	18.70	-269.09	89.85	75.96	13.89	6.469	
2,700.00	2,671.48	2,663.93	2,659.00	8.53	6.96	54.40	18.70	-276.69	88.46	74.50	13.96	6.336	
2,800.00	2,766.85	2,762.21	2,754.25	8.91	7.09	57.81	18.70	-300.87	86.10	71.88	14.22	6.053	
2,900.00	2,862.23	2,862.10	2,850.75	9.31	7.21	60.69	18.70	-326.73	84.76	70.22	14.54	5.828	
3,000.00	2,957.60	2,962.00	2,947.24	9.72	7.35	63.66	18.70	-352.59	83.64	68.75	14.89	5.619	
3,100.00	3,052.97	3,061.90	3,043.73	10.14	7.50	66.70	18.70	-378.44	82.75	67.52	15.23	5.432	
3,200.00	3,148.34	3,161.80	3,140.23	10.56	7.65	69.80	18.70	-404.30	82.10	66.51	15.59	5.267	
3,300.00	3,243.71	3,261.70	3,236.72	10.99	7.80	72.94	18.70	-430.15	81.69	65.74	15.95	5.121	
3,400.00	3,339.08	3,361.60	3,333.22	11.43	7.96	76.10	18.70	-456.01	81.53	65.20	16.33	4.992	
3,414.00	3,352.43	3,375.58	3,346.73	11.50	7.98	76.54	18.70	-459.63	81.53	65.14	16.39	4.976 CC	
3,500.00	3,434.45	3,461.49	3,429.71	11.88	8.12	79.26	18.70	-481.86	81.62	64.89	16.73	4.879	
3,600.00	3,529.82	3,561.39	3,526.21	12.33	8.29	82.40	18.70	-507.72	81.96	64.81	17.15	4.779 ES	
3,700.00	3,625.20	3,661.29	3,622.70	12.79	8.46	85.52	18.70	-533.57	82.54	64.94	17.60	4.690	
3,800.00	3,720.57	3,761.19	3,719.20	13.25	8.63	88.57	18.70	-559.43	83.36	65.28	18.08	4.611	
3,900.00	3,815.94	3,861.09	3,815.69	13.71	8.81	91.56	18.70	-585.29	84.42	65.82	18.59	4.540	
4,000.00	3,911.31	3,960.99	3,912.18	14.18	8.98	94.47	18.70	-611.14	85.70	66.56	19.14	4.477	
4,100.00	4,006.68	4,060.88	4,008.68	14.65	9.16	97.29	18.70	-637.00	87.19	67.47	19.72	4.421	
4,200.00	4,102.05	4,160.78	4,105.17	15.12	9.35	100.01	18.70	-662.85	88.89	68.55	20.33	4.371	
4,300.00	4,197.42	4,260.68	4,201.67	15.60	9.53	102.61	18.70	-688.71	90.78	69.80	20.98	4.327	
4,400.00	4,292.79	4,360.58	4,298.16	16.07	9.72	105.11	18.70	-714.56	92.85	71.20	21.65	4.288	
4,500.00	4,388.17	4,460.48	4,394.66	16.55	9.91	107.50	18.70	-740.42	95.09	72.73	22.35	4.254	
4,600.00	4,483.54	4,560.38	4,491.15	17.04	10.10	109.77	18.70	-766.28	97.48	74.41	23.07	4.225	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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							Rule Assigned:				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)	Ellipses (usft)	Distance (usft)	Factor		
4,700.00	4,578.91	4,660.27	4,587.65	17.52	10.29	111.93	18.70	-792.13	100.03	76.21	23.82	4.200		
4,800.00	4,674.28	4,760.17	4,684.14	18.01	10.49	113.97	18.70	-817.99	102.70	78.13	24.58	4.179		
4,900.00	4,769.65	4,860.07	4,780.63	18.49	10.69	115.92	18.70	-843.84	105.50	80.15	25.35	4.162		
5,000.00	4,865.02	4,959.97	4,877.13	18.98	10.89	117.76	18.70	-869.70	108.42	82.28	26.14	4.148		
5,100.00	4,960.39	5,059.87	4,973.62	19.47	11.09	119.50	18.70	-895.55	111.44	84.51	26.93	4.138		
5,200.00	5,055.77	5,159.77	5,070.12	19.96	11.29	121.15	18.70	-921.41	114.56	86.82	27.74	4.130		
5,300.00	5,151.14	5,259.66	5,166.61	20.45	11.49	122.71	18.70	-947.26	117.77	89.22	28.55	4.125		
5,400.00	5,246.51	5,359.56	5,263.11	20.95	11.70	124.19	18.70	-973.12	121.07	91.70	29.37	4.123		
5,500.00	5,341.88	5,459.46	5,359.60	21.44	11.90	125.59	18.70	-998.98	124.44	94.25	30.19	4.122		
5,600.00	5,437.25	5,559.36	5,456.10	21.94	12.11	126.91	18.70	-1,024.83	127.88	96.86	31.01	4.123		
5,700.00	5,532.62	5,659.26	5,552.59	22.43	12.32	128.16	18.70	-1,050.69	131.38	99.54	31.84	4.127		
5,800.00	5,627.99	5,759.16	5,649.08	22.93	12.53	129.35	18.70	-1,076.54	134.94	102.28	32.67	4.131		
5,900.00	5,723.36	5,859.06	5,745.58	23.43	12.74	130.48	18.70	-1,102.40	138.56	105.07	33.49	4.138		
6,000.00	5,818.74	5,957.81	5,841.08	23.93	12.95	131.68	18.70	-1,127.51	142.53	108.19	34.34	4.151		
6,100.00	5,914.11	6,055.99	5,936.43	24.43	13.16	133.28	18.70	-1,150.91	147.63	112.36	35.27	4.186		
6,200.00	6,009.48	6,153.92	6,031.93	24.93	13.36	135.24	18.70	-1,172.61	154.01	117.75	36.26	4.247		
6,273.43	6,079.51	6,225.63	6,102.09	25.29	13.50	136.85	18.70	-1,187.47	159.57	122.55	37.01	4.311		
6,300.00	6,104.89	6,251.56	6,127.49	25.41	13.56	137.46	18.70	-1,192.62	161.68	124.40	37.28	4.337		
6,400.00	6,201.02	6,349.12	6,223.31	25.93	13.75	139.37	18.70	-1,210.99	168.88	130.64	38.24	4.416		
6,500.00	6,298.06	6,446.68	6,319.43	26.42	13.94	140.77	18.70	-1,227.72	174.82	135.73	39.09	4.472		
6,600.00	6,395.88	6,544.26	6,415.83	26.91	14.13	141.73	18.70	-1,242.81	179.40	139.57	39.82	4.505		
6,700.00	6,494.37	6,641.84	6,512.47	27.37	14.31	142.32	18.70	-1,256.26	182.57	142.11	40.46	4.513		
6,800.00	6,593.40	6,739.42	6,609.33	27.82	14.48	142.55	18.70	-1,268.07	184.29	143.30	40.98	4.496		
6,900.00	6,692.85	6,837.00	6,706.39	28.24	14.66	142.46	18.70	-1,278.22	184.55	143.14	41.40	4.457		
7,000.00	6,792.60	6,934.58	6,803.60	28.62	14.82	142.03	18.70	-1,286.72	183.35	141.65	41.70	4.396		
7,100.00	6,892.54	7,032.16	6,900.94	28.94	14.98	141.24	18.70	-1,293.56	180.72	138.87	41.86	4.318		
7,148.46	6,941.00	7,079.45	6,948.15	29.00	15.06	48.41	18.70	-1,296.28	178.95	137.14	41.81	4.280		
7,200.00	6,992.54	7,129.76	6,998.40	29.00	15.13	47.88	18.70	-1,298.74	177.07	135.36	41.71	4.246		
7,300.00	7,092.54	7,227.49	7,096.06	29.03	15.28	47.10	18.70	-1,302.27	174.41	132.84	41.57	4.196		
7,400.00	7,192.54	7,325.30	7,193.86	29.05	15.40	46.68	18.70	-1,304.13	173.02	131.53	41.49	4.170		
7,486.25	7,278.78	7,410.23	7,278.78	29.07	15.45	46.61	18.70	-1,304.44	172.79	131.30	41.49	4.165		
7,500.00	7,292.54	7,423.99	7,292.54	29.08	15.46	46.61	18.70	-1,304.44	172.79	131.29	41.50	4.164		
7,600.00	7,392.54	7,523.99	7,392.54	29.10	15.52	46.61	18.70	-1,304.44	172.79	131.20	41.58	4.155		
7,700.00	7,492.54	7,623.99	7,492.54	29.13	15.57	46.61	18.70	-1,304.44	172.79	131.12	41.66	4.147		
7,800.00	7,592.54	7,723.99	7,592.54	29.15	15.62	46.61	18.70	-1,304.44	172.79	131.05	41.74	4.140		
7,900.00	7,692.54	7,823.99	7,692.54	29.18	15.67	46.61	18.70	-1,304.44	172.79	130.97	41.82	4.132		
8,000.00	7,792.54	7,923.99	7,792.54	29.20	15.71	46.61	18.70	-1,304.44	172.79	130.89	41.90	4.124		
8,100.00	7,892.54	8,023.99	7,892.54	29.23	15.76	46.61	18.70	-1,304.44	172.79	130.81	41.98	4.116		
8,200.00	7,992.54	8,123.99	7,992.54	29.26	15.81	46.61	18.70	-1,304.44	172.79	130.73	42.06	4.109		
8,300.00	8,092.54	8,223.99	8,092.54	29.28	15.86	46.61	18.70	-1,304.44	172.79	130.65	42.14	4.101		
8,400.00	8,192.54	8,323.99	8,192.54	29.31	15.91	46.61	18.70	-1,304.44	172.79	130.57	42.22	4.093		
8,500.00	8,292.54	8,423.99	8,292.54	29.34	15.96	46.61	18.70	-1,304.44	172.79	130.49	42.30	4.085		
8,600.00	8,392.54	8,523.99	8,392.54	29.36	16.01	46.61	18.70	-1,304.44	172.79	130.41	42.38	4.077		
8,700.00	8,492.54	8,623.99	8,492.54	29.39	16.06	46.61	18.70	-1,304.44	172.79	130.33	42.46	4.069		
8,800.00	8,592.54	8,723.99	8,592.54	29.42	16.11	46.61	18.70	-1,304.44	172.79	130.24	42.54	4.061		
8,900.00	8,692.54	8,823.99	8,692.54	29.45	16.17	46.61	18.70	-1,304.44	172.79	130.16	42.63	4.054		
9,000.00	8,792.54	8,923.99	8,792.54	29.47	16.22	46.61	18.70	-1,304.44	172.79	130.08	42.71	4.046		
9,100.00	8,892.54	9,023.99	8,892.54	29.50	16.27	46.61	18.70	-1,304.44	172.79	129.99	42.79	4.038		
9,200.00	8,992.54	9,123.99	8,992.54	29.53	16.32	46.61	18.70	-1,304.44	172.79	129.91	42.88	4.030		
9,300.00	9,092.54	9,223.99	9,092.54	29.56	16.37	46.61	18.70	-1,304.44	172.79	129.82	42.96	4.022		
9,400.00	9,192.54	9,323.99	9,192.54	29.59	16.43	46.61	18.70	-1,304.44	172.79	129.74	43.05	4.014		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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												Rule Assigned:	
Offset												Distance	
Semi Major Axis												Between	
Offset												Centres	
Highside												Ellipses	
Toolface												No-Go	
(°)												Distance	
+N/-S												Separation	
(usft)												Factor	
+E/-W												Warning	
(usft)													
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	+N/-S	+E/-W	Between	Between	No-Go	Separation	Warning
Depth	Depth	Depth	Depth	(usft)	(usft)	Toolface	(usft)	(usft)	Centres	Ellipses	Distance	Factor	
(usft)	(usft)	(usft)	(usft)			(°)			(usft)	(usft)	(usft)		
9,493.01	9,285.55	9,417.00	9,285.55	29.61	16.47	46.61	18.70	-1,304.44	172.79	129.66	43.12	4.007	
9,500.00	9,292.54	9,423.99	9,292.54	29.61	16.48	45.62	18.70	-1,304.44	172.75	129.62	43.13	4.005	
9,525.00	9,317.51	9,448.96	9,317.51	29.62	16.49	45.93	18.70	-1,304.44	172.04	128.84	43.20	3.983	
9,550.00	9,342.40	9,473.85	9,342.40	29.62	16.50	46.63	18.70	-1,304.44	170.43	127.10	43.32	3.934	
9,575.00	9,367.13	9,498.58	9,367.13	29.62	16.52	47.74	18.70	-1,304.44	167.95	124.43	43.52	3.859	
9,600.00	9,391.64	9,523.09	9,391.64	29.62	16.53	49.30	18.70	-1,304.44	164.66	120.88	43.78	3.761	
9,625.00	9,415.86	9,547.31	9,415.86	29.62	16.54	51.32	18.70	-1,304.44	160.63	116.52	44.10	3.642	
9,650.00	9,439.72	9,571.17	9,439.72	29.62	16.56	53.85	18.70	-1,304.44	155.97	111.46	44.51	3.504	
9,675.00	9,463.16	9,594.61	9,463.16	29.63	16.57	56.93	18.70	-1,304.44	150.82	105.84	44.98	3.353	
9,700.00	9,486.11	9,617.56	9,486.11	29.63	16.58	60.59	18.70	-1,304.44	145.36	99.84	45.51	3.194	
9,725.00	9,508.52	9,639.97	9,508.52	29.63	16.59	64.83	18.70	-1,304.44	139.82	93.72	46.10	3.033	
9,750.00	9,530.31	9,661.76	9,530.31	29.63	16.60	69.64	18.70	-1,304.44	134.51	87.81	46.70	2.881 Normal Operations	
9,775.00	9,551.43	9,682.88	9,551.43	29.63	16.62	74.94	18.70	-1,304.44	129.79	82.54	47.25	2.747 Normal Operations	
9,800.00	9,571.82	9,703.27	9,571.82	29.64	16.63	80.60	18.70	-1,304.44	126.08	78.42	47.66	2.645 Normal Operations	
9,825.00	9,591.42	9,722.87	9,591.42	29.64	16.64	86.43	18.70	-1,304.44	123.88	76.04	47.84	2.589 Normal Operations	
9,840.37	9,603.06	9,734.51	9,603.06	29.64	16.64	90.00	18.70	-1,304.44	123.47	75.68	47.78	2.584 Normal Operations, SF	
9,850.00	9,610.19	9,741.64	9,610.19	29.65	16.65	92.20	18.70	-1,304.44	123.64	75.96	47.68	2.593 Normal Operations	
9,875.00	9,628.07	9,759.52	9,628.07	29.65	16.66	97.70	18.70	-1,304.44	125.77	78.65	47.12	2.669 Normal Operations	
9,900.00	9,645.01	9,776.46	9,645.01	29.66	16.67	102.72	18.70	-1,304.44	130.52	84.31	46.21	2.824 Normal Operations	
9,925.00	9,660.96	9,792.41	9,660.96	29.66	16.67	107.13	18.70	-1,304.44	137.97	92.91	45.06	3.062	
9,950.00	9,675.89	9,807.34	9,675.89	29.67	16.68	110.84	18.70	-1,304.44	148.01	104.20	43.81	3.378	
9,975.00	9,689.74	9,821.19	9,689.74	29.68	16.69	113.83	18.70	-1,304.44	160.43	117.83	42.60	3.766	
10,000.00	9,702.49	9,833.94	9,702.49	29.69	16.70	116.06	18.70	-1,304.44	174.94	133.45	41.50	4.216	
10,025.00	9,714.10	9,845.55	9,714.10	29.70	16.70	117.55	18.70	-1,304.44	191.27	150.71	40.55	4.716	
10,050.00	9,724.53	9,855.98	9,724.53	29.72	16.71	118.27	18.70	-1,304.44	209.13	169.36	39.77	5.259	
10,075.00	9,733.75	9,865.20	9,733.75	29.73	16.71	118.19	18.70	-1,304.44	228.30	189.17	39.13	5.834	
10,100.00	9,741.75	9,873.20	9,741.75	29.75	16.72	117.27	18.70	-1,304.44	248.55	209.93	38.61	6.437	
10,125.00	9,748.50	9,879.95	9,748.50	29.76	16.72	115.41	18.70	-1,304.44	269.70	231.50	38.20	7.060	
10,150.00	9,753.98	9,885.43	9,753.98	29.78	16.72	112.50	18.70	-1,304.44	291.60	253.73	37.87	7.700	
10,175.00	9,758.17	9,889.62	9,758.17	29.80	16.73	108.37	18.70	-1,304.44	314.10	276.50	37.60	8.353	
10,200.00	9,761.07	9,892.52	9,761.07	29.83	16.73	102.87	18.70	-1,304.44	337.07	299.68	37.39	9.016	
10,225.00	9,762.67	9,894.12	9,762.67	29.85	16.73	95.90	18.70	-1,304.44	360.40	323.19	37.21	9.685	
10,240.81	9,763.00	9,894.45	9,763.00	29.87	16.73	90.75	18.70	-1,304.44	375.28	338.17	37.12	10.111	
10,300.00	9,763.27	9,894.72	9,763.27	29.94	16.73	90.88	18.70	-1,304.44	431.62	394.77	36.85	11.713	
10,400.00	9,763.73	9,895.18	9,763.73	30.08	16.73	91.09	18.70	-1,304.44	528.21	491.61	36.60	14.432	
10,500.00	9,764.19	9,895.64	9,764.19	30.24	16.73	91.31	18.70	-1,304.44	625.88	589.40	36.48	17.158	
10,600.00	9,764.65	9,896.10	9,764.65	30.43	16.73	91.52	18.70	-1,304.44	724.18	687.77	36.42	19.886	
10,700.00	9,765.11	11,234.26	10,496.42	30.64	18.34	173.69	831.92	-1,332.84	735.77	693.17	42.60	17.270	
10,800.00	9,765.57	11,334.12	10,497.13	30.87	18.71	174.10	931.72	-1,336.32	735.47	692.76	42.70	17.223	
10,900.00	9,766.03	11,433.99	10,497.84	31.13	19.10	174.50	1,031.52	-1,339.81	735.20	692.38	42.82	17.169	
11,000.00	9,766.49	11,533.85	10,498.55	31.40	19.52	174.91	1,131.32	-1,343.29	734.97	692.01	42.96	17.109	
11,100.00	9,766.94	11,633.71	10,499.26	31.70	19.97	175.32	1,231.12	-1,346.78	734.77	691.66	43.11	17.043	
11,200.00	9,767.40	11,733.57	10,499.97	32.02	20.44	175.73	1,330.92	-1,350.26	734.62	691.33	43.28	16.972	
11,300.00	9,767.86	11,833.44	10,500.69	32.35	20.94	176.13	1,430.72	-1,353.75	734.50	691.02	43.47	16.895	
11,400.00	9,768.32	11,933.30	10,501.40	32.70	21.46	176.54	1,530.52	-1,357.23	734.42	690.74	43.68	16.813	
11,500.00	9,768.78	12,033.16	10,502.11	33.07	21.99	176.95	1,630.32	-1,360.72	734.37	690.47	43.91	16.726	
11,517.00	9,768.86	12,050.00	10,502.23	33.14	22.08	177.02	1,647.14	-1,361.29	734.37	690.43	43.94	16.712	
11,600.00	9,769.24	12,131.91	10,502.81	33.46	22.53	177.24	1,729.03	-1,362.68	734.44	690.29	44.15	16.634	
11,700.00	9,769.70	12,231.83	10,503.52	33.87	23.10	177.38	1,828.96	-1,362.80	734.60	690.14	44.46	16.523	
11,800.00	9,770.16	12,331.82	10,504.23	34.29	23.68	177.53	1,928.94	-1,362.92	734.77	689.99	44.79	16.406	
11,900.00	9,770.62	12,431.80	10,504.95	34.72	24.28	177.68	2,028.92	-1,363.03	734.95	689.82	45.13	16.286	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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		Rule Assigned:				Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
12,000.00	9,771.08	12,531.78	10,505.66	35.17	24.90	177.82	2,128.90	-1,363.15	735.13	689.64	45.49	16.162		
12,100.00	9,771.53	12,631.76	10,506.37	35.64	25.53	177.97	2,228.88	-1,363.27	735.31	689.46	45.86	16.035		
12,200.00	9,771.99	12,731.75	10,507.08	36.12	26.17	178.11	2,328.86	-1,363.39	735.50	689.26	46.24	15.905		
12,300.00	9,772.45	12,831.73	10,507.80	36.61	26.82	178.26	2,428.84	-1,363.50	735.70	689.05	46.64	15.773		
12,400.00	9,772.91	12,931.71	10,508.51	37.11	27.49	178.40	2,528.82	-1,363.62	735.90	688.84	47.06	15.638		
12,500.00	9,773.37	13,031.69	10,509.22	37.63	28.16	178.55	2,628.80	-1,363.74	736.10	688.61	47.49	15.501		
12,600.00	9,773.83	13,131.68	10,509.93	38.16	28.84	178.70	2,728.78	-1,363.86	736.31	688.38	47.93	15.363		
12,700.00	9,774.29	13,231.66	10,510.64	38.70	29.54	178.84	2,828.76	-1,363.97	736.52	688.14	48.38	15.224		
12,800.00	9,774.75	13,331.64	10,511.36	39.25	30.24	178.99	2,928.74	-1,364.09	736.74	687.89	48.85	15.083		
12,900.00	9,775.21	13,431.62	10,512.07	39.81	30.95	179.13	3,028.72	-1,364.21	736.96	687.64	49.32	14.941		
13,000.00	9,775.67	13,531.60	10,512.78	40.39	31.66	179.28	3,128.70	-1,364.33	737.19	687.38	49.82	14.799		
13,100.00	9,776.12	13,631.59	10,513.49	40.97	32.39	179.42	3,228.68	-1,364.44	737.42	687.11	50.32	14.656		
13,200.00	9,776.58	13,731.57	10,514.20	41.56	33.11	179.57	3,328.66	-1,364.56	737.66	686.83	50.83	14.512		
13,300.00	9,777.04	13,831.55	10,514.92	42.16	33.85	179.71	3,428.64	-1,364.68	737.90	686.55	51.35	14.369		
13,400.00	9,777.50	13,931.53	10,515.63	42.77	34.59	179.86	3,528.62	-1,364.80	738.15	686.26	51.89	14.226		
13,465.81	9,777.80	13,997.33	10,516.10	43.17	35.08	179.95	3,594.41	-1,364.87	738.31	686.07	52.24	14.133		
13,500.00	9,777.96	14,031.52	10,516.34	43.38	35.34	179.99	3,628.60	-1,364.91	738.40	685.97	52.43	14.084		
13,519.16	9,778.05	14,050.67	10,516.48	43.50	35.48	180.00	3,647.75	-1,364.94	738.45	685.91	52.54	14.056		
13,600.00	9,778.42	14,131.52	10,517.05	44.00	36.09	180.00	3,728.59	-1,365.03	738.65	685.65	53.00	13.937		
13,700.00	9,778.88	14,231.52	10,517.76	44.64	36.84	180.00	3,828.59	-1,365.15	738.90	685.32	53.58	13.790		
13,800.00	9,779.34	14,331.52	10,518.48	45.28	37.60	180.00	3,928.59	-1,365.27	739.16	684.98	54.17	13.644		
13,900.00	9,779.80	14,431.52	10,519.19	45.93	38.36	180.00	4,028.59	-1,365.38	739.41	684.63	54.78	13.499		
14,000.00	9,780.26	14,531.52	10,519.90	46.58	39.13	180.00	4,128.58	-1,365.50	739.66	684.28	55.38	13.355		
14,100.00	9,780.72	14,631.52	10,520.61	47.24	39.90	180.00	4,228.58	-1,365.62	739.91	683.91	56.00	13.213		
14,200.00	9,781.18	14,731.52	10,521.33	47.91	40.68	180.00	4,328.58	-1,365.74	740.16	683.54	56.62	13.072		
14,300.00	9,781.64	14,831.52	10,522.04	48.58	41.46	180.00	4,428.57	-1,365.85	740.42	683.16	57.25	12.932		
14,400.00	9,782.10	14,931.52	10,522.75	49.26	42.24	180.00	4,528.57	-1,365.97	740.67	682.78	57.89	12.794		
14,500.00	9,782.56	15,031.52	10,523.46	49.95	43.02	180.00	4,628.57	-1,366.09	740.92	682.38	58.54	12.657		
14,600.00	9,783.02	15,131.52	10,524.17	50.64	43.81	180.00	4,728.57	-1,366.21	741.17	681.98	59.19	12.522		
14,700.00	9,783.48	15,231.52	10,524.89	51.33	44.60	180.00	4,828.56	-1,366.32	741.43	681.58	59.85	12.389		
14,800.00	9,783.94	15,331.52	10,525.60	52.03	45.39	180.00	4,928.56	-1,366.44	741.68	681.17	60.51	12.257		
14,900.00	9,784.40	15,431.51	10,526.31	52.74	46.18	180.00	5,028.56	-1,366.56	741.93	680.75	61.18	12.127		
15,000.00	9,784.86	15,531.51	10,527.02	53.44	46.98	180.00	5,128.55	-1,366.68	742.18	680.33	61.86	11.998		
15,100.00	9,785.32	15,631.51	10,527.74	54.16	47.77	180.00	5,228.55	-1,366.80	742.44	679.90	62.54	11.872		
15,200.00	9,785.78	15,731.51	10,528.45	54.87	48.57	180.00	5,328.55	-1,366.91	742.69	679.46	63.23	11.747		
15,300.00	9,786.24	15,831.51	10,529.16	55.60	49.38	180.00	5,428.55	-1,367.03	742.94	679.02	63.92	11.623		
15,400.00	9,786.70	15,931.51	10,529.87	56.32	50.18	180.00	5,528.54	-1,367.15	743.19	678.58	64.62	11.502		
15,500.00	9,787.16	16,031.51	10,530.58	57.05	50.99	180.00	5,628.54	-1,367.27	743.45	678.13	65.32	11.382		
15,600.00	9,787.62	16,131.51	10,531.30	57.78	51.79	180.00	5,728.54	-1,367.38	743.70	677.67	66.02	11.264		
15,700.00	9,788.08	16,231.51	10,532.01	58.52	52.60	180.00	5,828.53	-1,367.50	743.95	677.21	66.74	11.148		
15,800.00	9,788.54	16,331.51	10,532.72	59.25	53.41	180.00	5,928.53	-1,367.62	744.20	676.75	67.45	11.033		
15,900.00	9,789.00	16,431.51	10,533.43	60.00	54.22	180.00	6,028.53	-1,367.74	744.45	676.28	68.17	10.920		
16,000.00	9,789.46	16,531.51	10,534.14	60.74	55.04	180.00	6,128.52	-1,367.85	744.71	675.81	68.90	10.809		
16,100.00	9,789.92	16,631.51	10,534.86	61.49	55.85	180.00	6,228.52	-1,367.97	744.96	675.33	69.62	10.700		
16,200.00	9,790.38	16,731.51	10,535.57	62.24	56.67	180.00	6,328.52	-1,368.09	745.21	674.85	70.36	10.592		
16,300.00	9,790.84	16,831.51	10,536.28	62.99	57.48	180.00	6,428.52	-1,368.21	745.46	674.37	71.09	10.486		
16,400.00	9,791.30	16,931.51	10,536.99	63.75	58.30	180.00	6,528.51	-1,368.32	745.72	673.88	71.83	10.381		
16,500.00	9,791.76	17,031.51	10,537.71	64.51	59.12	180.00	6,628.51	-1,368.44	745.97	673.39	72.58	10.278		
16,600.00	9,792.22	17,131.51	10,538.42	65.27	59.94	180.00	6,728.51	-1,368.56	746.22	672.90	73.32	10.177		
16,700.00	9,792.68	17,231.51	10,539.13	66.03	60.76	180.00	6,828.50	-1,368.68	746.47	672.40	74.07	10.078		
16,800.00	9,793.14	17,331.51	10,539.84	66.79	61.58	180.00	6,928.50	-1,368.79	746.73	671.90	74.83	9.979		

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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:								
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
16,900.00	9,793.60	17,431.51	10,540.55	67.56	62.41	180.00	7,028.50	-1,368.91	746.98	671.40	75.58	9.883	
17,000.00	9,794.06	17,531.51	10,541.27	68.33	63.23	180.00	7,128.50	-1,369.03	747.23	670.89	76.34	9.788	
17,100.00	9,794.52	17,631.51	10,541.98	69.10	64.05	180.00	7,228.49	-1,369.15	747.48	670.38	77.10	9.694	
17,200.00	9,794.97	17,731.51	10,542.69	69.88	64.88	180.00	7,328.49	-1,369.26	747.74	669.87	77.87	9.602	
17,300.00	9,795.43	17,831.51	10,543.40	70.65	65.71	180.00	7,428.49	-1,369.38	747.99	669.35	78.64	9.512	
17,400.00	9,795.89	17,931.51	10,544.12	71.43	66.53	180.00	7,528.48	-1,369.50	748.24	668.83	79.41	9.423	
17,500.00	9,796.35	18,031.51	10,544.83	72.21	67.36	180.00	7,628.48	-1,369.62	748.49	668.31	80.18	9.335	
17,600.00	9,796.81	18,131.51	10,545.54	72.99	68.19	180.00	7,728.48	-1,369.73	748.74	667.79	80.96	9.249	
17,700.00	9,797.27	18,231.51	10,546.25	73.77	69.02	180.00	7,828.47	-1,369.85	749.00	667.26	81.74	9.164	
17,800.00	9,797.73	18,331.51	10,546.96	74.56	69.85	180.00	7,928.47	-1,369.97	749.25	666.73	82.52	9.080	
17,900.00	9,798.19	18,431.51	10,547.68	75.34	70.68	180.00	8,028.47	-1,370.09	749.50	666.20	83.30	8.997	
18,000.00	9,798.65	18,531.50	10,548.39	76.13	71.51	180.00	8,128.47	-1,370.20	749.75	665.67	84.09	8.916	
18,100.00	9,799.11	18,631.50	10,549.10	76.92	72.34	180.00	8,228.46	-1,370.32	750.01	665.13	84.87	8.837	
18,200.00	9,799.57	18,731.50	10,549.81	77.71	73.18	180.00	8,328.46	-1,370.44	750.26	664.59	85.66	8.758	
18,300.00	9,800.03	18,831.50	10,550.53	78.50	74.01	180.00	8,428.46	-1,370.56	750.51	664.05	86.46	8.681	
18,400.00	9,800.49	18,931.50	10,551.24	79.30	74.84	180.00	8,528.45	-1,370.67	750.76	663.51	87.25	8.605	
18,500.00	9,800.95	19,031.50	10,551.95	80.09	75.68	180.00	8,628.45	-1,370.79	751.02	662.97	88.05	8.530	
18,600.00	9,801.41	19,131.50	10,552.66	80.89	76.51	180.00	8,728.45	-1,370.91	751.27	662.42	88.84	8.456	
18,700.00	9,801.87	19,231.50	10,553.37	81.68	77.35	180.00	8,828.45	-1,371.03	751.52	661.88	89.64	8.383	
18,800.00	9,802.33	19,331.50	10,554.09	82.48	78.18	180.00	8,928.44	-1,371.14	751.77	661.33	90.45	8.312	
18,900.00	9,802.79	19,431.50	10,554.80	83.28	79.02	180.00	9,028.44	-1,371.26	752.03	660.78	91.25	8.241	
19,000.00	9,803.25	19,531.50	10,555.51	84.08	79.85	180.00	9,128.44	-1,371.38	752.28	660.22	92.05	8.172	
19,100.00	9,803.71	19,631.50	10,556.22	84.88	80.69	180.00	9,228.43	-1,371.50	752.53	659.67	92.86	8.104	
19,200.00	9,804.17	19,731.50	10,556.94	85.69	81.53	180.00	9,328.43	-1,371.61	752.78	659.11	93.67	8.037	
19,300.00	9,804.63	19,831.50	10,557.65	86.49	82.37	180.00	9,428.43	-1,371.73	753.03	658.56	94.48	7.970	
19,400.00	9,805.09	19,931.50	10,558.36	87.30	83.20	180.00	9,528.43	-1,371.85	753.29	658.00	95.29	7.905	
19,500.00	9,805.55	20,031.50	10,559.07	88.10	84.04	180.00	9,628.42	-1,371.97	753.54	657.44	96.10	7.841	
19,600.00	9,806.01	20,131.50	10,559.78	88.91	84.88	180.00	9,728.42	-1,372.08	753.79	656.87	96.92	7.778	
19,700.00	9,806.47	20,231.50	10,560.50	89.72	85.72	180.00	9,828.42	-1,372.20	754.04	656.31	97.73	7.715	
19,800.00	9,806.93	20,331.50	10,561.21	90.52	86.56	180.00	9,928.41	-1,372.32	754.30	655.74	98.55	7.654	
19,900.00	9,807.39	20,431.50	10,561.92	91.33	87.40	180.00	10,028.41	-1,372.44	754.55	655.18	99.37	7.593	
20,000.00	9,807.85	20,531.50	10,562.63	92.14	88.24	180.00	10,128.41	-1,372.55	754.80	654.61	100.19	7.534	
20,100.00	9,808.31	20,631.50	10,563.34	92.96	89.08	180.00	10,228.40	-1,372.67	755.05	654.04	101.01	7.475	
20,200.00	9,808.77	20,731.50	10,564.06	93.77	89.92	180.00	10,328.40	-1,372.79	755.31	653.47	101.83	7.417	
20,300.00	9,809.23	20,831.50	10,564.77	94.58	90.76	180.00	10,428.40	-1,372.91	755.56	652.90	102.66	7.360	
20,400.00	9,809.69	20,931.50	10,565.48	95.39	91.60	180.00	10,528.40	-1,373.02	755.81	652.33	103.48	7.304	
20,467.46	9,810.00	20,998.96	10,565.96	95.94	92.17	180.00	10,595.86	-1,373.10	755.98	651.94	104.04	7.266	
20,468.32	9,810.00	20,999.82	10,565.97	95.95	92.18	180.00	10,596.71	-1,373.10	755.98	651.93	104.06	7.265	

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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 @ 2946.00usft

Offset Depths are relative to Offset Datum

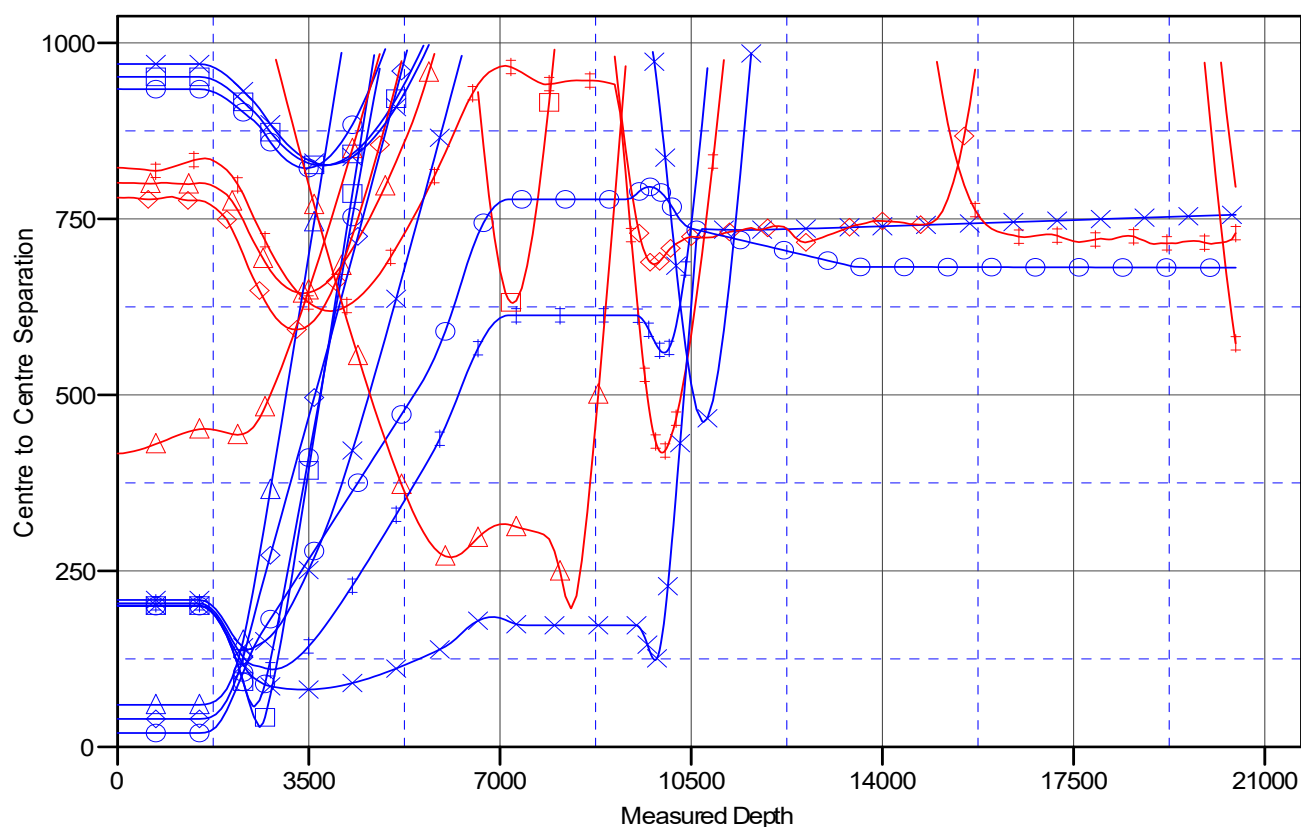
Central Meridian is 104° 20' 0.00W W

Coordinates are relative to: TATER SALAD FEDERAL COM 704H

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 - MOMBA FEDERAL COM 703H, OWB, AWP V0 - MOMBA FEDERAL COM 901H, OWB, PWP1 V0 - MOMBA FEDERAL COM 902H, OWB, PWP2 V0 - TATER SALAD FEDERAL COM905H, OWB, PWP2 V0 - TATER SALAD FEDERAL COM701H, OWB, PWP2 V0 - TATER SALAD FEDERAL COM901H, OWB, PWP2 V0	- TATER SALAD FEDERAL COM904H, OWB, PWP2 V0 - GOLDEN GRAHAM 1 STATE COM 704H, OWB, AWP V0 - COTTONMOUTH 13 FEDERAL COM 1H, OWB, AWP V0 - TATER SALAD FEDERAL COM902H, OWB, PWP2 V0 - TATER SALAD FEDERAL COM702H, OWB, PWP2 V0 - TATER SALAD FEDERAL COM903H, OWB, PWP2 V0 - MOMBA 24 FEDERAL COM 1H(P&A), OWB, AWP V0	- GOLDEN GRAHAM 1 STATE COM 725H, OWB, AWP V0 - DELAWARE RANCH 13 24 WCN FEDERAL COM 1H, OWB, AWP V0 - TATER SALAD FEDERAL COM703H, OWB, PWP2 V0 - MOMBA FEDERAL COM 701H, OWB, AWP V0 - MOMBA FEDERAL COM 903H, OWB, PWP2 V0 - DELAWARE RANCH 12 WINCED COM 2H, OWB, AWP V0 - MOMBA 24 FEDERAL COM 3H, OWB, AWP V0
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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 704H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2946.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2946.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 704H	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 @ 2946.00usft

Offset Depths are relative to Offset Datum

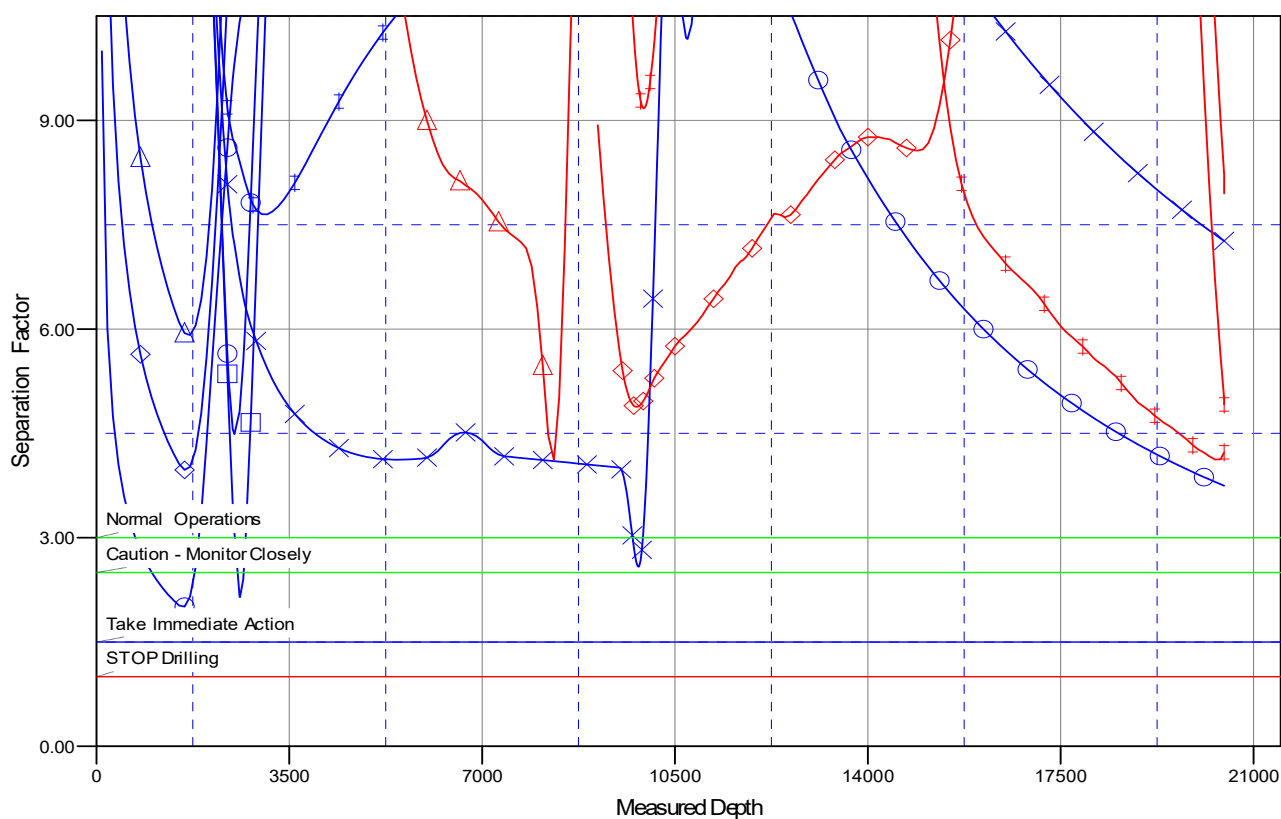
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 704H

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

Grid Convergence at Surface is: 0.16°

Separation Factor Plot



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 704H

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 704H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2946.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 704H	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
From:	Map	Easting:	593,463.23 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 6.913 N
		Longitude:	104° 1' 54.189 W

Well	TATER SALAD FEDERAL COM 704H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	
Grid Convergence:	0.16 °		
		Latitude:	32° 2' 4.456 N
		Longitude:	104° 2' 5.208 W
		Ground Level:	2,914.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2025	3/1/2026	6.39	59.50	47,015.14174096

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	352.61

Plan Survey Tool Program		Date	2/3/2026		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	1,500.00 PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG +	
2	1,500.00	9,495.01 PWP2 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
3	9,495.01	20,467.46 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 704H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2946.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 704H	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	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,375.00	17.50	255.00	2,361.46	-34.32	-128.07	2.00	2.00	0.00	255.00	
2,475.00	17.50	255.00	2,456.83	-42.10	-157.12	0.00	0.00	0.00	0.00	
2,665.27	17.50	267.68	2,638.36	-50.67	-213.36	2.00	0.00	6.66	96.04	
6,273.43	17.50	267.68	6,079.51	-94.63	-1,297.51	0.00	0.00	0.00	0.00	
7,148.46	0.00	0.00	6,941.00	-100.00	-1,430.00	2.00	-2.00	0.00	180.00	
9,493.01	0.00	0.00	9,285.55	-100.00	-1,430.00	0.00	0.00	0.00	0.00	
10,240.81	89.74	1.00	9,763.00	375.19	-1,421.71	12.00	12.00	0.00	1.00	
13,465.81	89.74	1.00	9,777.80	3,599.67	-1,365.42	0.00	0.00	0.00	0.00	
13,519.16	89.74	359.93	9,778.05	3,653.01	-1,364.99	2.00	0.00	-2.00	-90.03	
20,467.46	89.74	359.93	9,810.00	10,601.24	-1,373.11	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 704H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2946.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 704H	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	2.00	255.00	1,599.98	-0.45	-1.69	-0.23	2.00	2.00	0.00
1,700.00	4.00	255.00	1,699.84	-1.81	-6.74	-0.92	2.00	2.00	0.00
1,800.00	6.00	255.00	1,799.45	-4.06	-15.16	-2.08	2.00	2.00	0.00
1,900.00	8.00	255.00	1,898.70	-7.22	-26.93	-3.69	2.00	2.00	0.00
2,000.00	10.00	255.00	1,997.47	-11.26	-42.04	-5.76	2.00	2.00	0.00
2,100.00	12.00	255.00	2,095.62	-16.20	-60.47	-8.29	2.00	2.00	0.00
2,200.00	14.00	255.00	2,193.06	-22.02	-82.20	-11.26	2.00	2.00	0.00
2,300.00	16.00	255.00	2,289.64	-28.72	-107.20	-14.69	2.00	2.00	0.00
2,375.00	17.50	255.00	2,361.46	-34.32	-128.07	-17.55	2.00	2.00	0.00
2,400.00	17.50	255.00	2,385.30	-36.26	-135.33	-18.55	0.00	0.00	0.00
2,475.00	17.50	255.00	2,456.83	-42.10	-157.12	-21.53	0.00	0.00	0.00
2,500.00	17.45	256.66	2,480.68	-43.94	-164.40	-22.42	2.00	-0.18	6.63
2,600.00	17.41	263.34	2,576.09	-49.14	-193.85	-23.78	2.00	-0.04	6.68
2,665.27	17.50	267.68	2,638.36	-50.67	-213.36	-22.79	2.00	0.14	6.65
2,700.00	17.50	267.68	2,671.48	-51.09	-223.79	-21.87	0.00	0.00	0.00
2,800.00	17.50	267.68	2,766.85	-52.31	-253.84	-19.21	0.00	0.00	0.00
2,900.00	17.50	267.68	2,862.23	-53.53	-283.89	-16.55	0.00	0.00	0.00
3,000.00	17.50	267.68	2,957.60	-54.74	-313.93	-13.89	0.00	0.00	0.00
3,100.00	17.50	267.68	3,052.97	-55.96	-343.98	-11.23	0.00	0.00	0.00
3,200.00	17.50	267.68	3,148.34	-57.18	-374.03	-8.58	0.00	0.00	0.00
3,300.00	17.50	267.68	3,243.71	-58.40	-404.08	-5.92	0.00	0.00	0.00
3,400.00	17.50	267.68	3,339.08	-59.62	-434.12	-3.26	0.00	0.00	0.00
3,500.00	17.50	267.68	3,434.45	-60.84	-464.17	-0.60	0.00	0.00	0.00
3,600.00	17.50	267.68	3,529.82	-62.05	-494.22	2.06	0.00	0.00	0.00
3,700.00	17.50	267.68	3,625.20	-63.27	-524.27	4.72	0.00	0.00	0.00
3,800.00	17.50	267.68	3,720.57	-64.49	-554.31	7.37	0.00	0.00	0.00
3,900.00	17.50	267.68	3,815.94	-65.71	-584.36	10.03	0.00	0.00	0.00
4,000.00	17.50	267.68	3,911.31	-66.93	-614.41	12.69	0.00	0.00	0.00
4,100.00	17.50	267.68	4,006.68	-68.15	-644.45	15.35	0.00	0.00	0.00
4,200.00	17.50	267.68	4,102.05	-69.37	-674.50	18.01	0.00	0.00	0.00
4,300.00	17.50	267.68	4,197.42	-70.58	-704.55	20.67	0.00	0.00	0.00
4,400.00	17.50	267.68	4,292.79	-71.80	-734.60	23.32	0.00	0.00	0.00
4,500.00	17.50	267.68	4,388.17	-73.02	-764.64	25.98	0.00	0.00	0.00
4,600.00	17.50	267.68	4,483.54	-74.24	-794.69	28.64	0.00	0.00	0.00
4,700.00	17.50	267.68	4,578.91	-75.46	-824.74	31.30	0.00	0.00	0.00
4,800.00	17.50	267.68	4,674.28	-76.68	-854.78	33.96	0.00	0.00	0.00
4,900.00	17.50	267.68	4,769.65	-77.89	-884.83	36.61	0.00	0.00	0.00
5,000.00	17.50	267.68	4,865.02	-79.11	-914.88	39.27	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2946.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 704H	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)	
5,100.00	17.50	267.68	4,960.39	-80.33	-944.93	41.93	0.00	0.00	0.00	
5,200.00	17.50	267.68	5,055.77	-81.55	-974.97	44.59	0.00	0.00	0.00	
5,300.00	17.50	267.68	5,151.14	-82.77	-1,005.02	47.25	0.00	0.00	0.00	
5,400.00	17.50	267.68	5,246.51	-83.99	-1,035.07	49.91	0.00	0.00	0.00	
5,500.00	17.50	267.68	5,341.88	-85.20	-1,065.11	52.56	0.00	0.00	0.00	
5,600.00	17.50	267.68	5,437.25	-86.42	-1,095.16	55.22	0.00	0.00	0.00	
5,700.00	17.50	267.68	5,532.62	-87.64	-1,125.21	57.88	0.00	0.00	0.00	
5,800.00	17.50	267.68	5,627.99	-88.86	-1,155.26	60.54	0.00	0.00	0.00	
5,900.00	17.50	267.68	5,723.36	-90.08	-1,185.30	63.20	0.00	0.00	0.00	
6,000.00	17.50	267.68	5,818.74	-91.30	-1,215.35	65.86	0.00	0.00	0.00	
6,100.00	17.50	267.68	5,914.11	-92.51	-1,245.40	68.51	0.00	0.00	0.00	
6,200.00	17.50	267.68	6,009.48	-93.73	-1,275.44	71.17	0.00	0.00	0.00	
6,273.43	17.50	267.68	6,079.51	-94.63	-1,297.51	73.12	0.00	0.00	0.00	
6,300.00	16.97	267.68	6,104.89	-94.95	-1,305.37	73.82	2.00	-2.00	0.00	
6,400.00	14.97	267.68	6,201.02	-96.06	-1,332.86	76.25	2.00	-2.00	0.00	
6,500.00	12.97	267.68	6,298.06	-97.04	-1,356.98	78.39	2.00	-2.00	0.00	
6,600.00	10.97	267.68	6,395.88	-97.88	-1,377.70	80.22	2.00	-2.00	0.00	
6,700.00	8.97	267.68	6,494.37	-98.58	-1,395.00	81.75	2.00	-2.00	0.00	
6,800.00	6.97	267.68	6,593.40	-99.14	-1,408.85	82.97	2.00	-2.00	0.00	
6,900.00	4.97	267.68	6,692.85	-99.56	-1,419.24	83.89	2.00	-2.00	0.00	
7,000.00	2.97	267.68	6,792.60	-99.84	-1,426.16	84.51	2.00	-2.00	0.00	
7,100.00	0.97	267.68	6,892.54	-99.98	-1,429.59	84.81	2.00	-2.00	0.00	
7,148.46	0.00	0.00	6,941.00	-100.00	-1,430.00	84.85	2.00	-2.00	0.00	
7,200.00	0.00	0.00	6,992.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,092.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,192.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,292.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,392.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,492.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,592.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,692.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,792.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,100.00	0.00	0.00	7,892.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,200.00	0.00	0.00	7,992.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,092.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,192.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,292.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,392.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,492.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,592.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,692.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
9,000.00	0.00	0.00	8,792.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
9,100.00	0.00	0.00	8,892.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
9,200.00	0.00	0.00	8,992.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
9,300.00	0.00	0.00	9,092.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
9,400.00	0.00	0.00	9,192.54	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
9,493.01	0.00	0.00	9,285.55	-100.00	-1,430.00	84.85	0.00	0.00	0.00	
9,500.00	0.84	1.00	9,292.54	-99.95	-1,430.00	84.90	12.00	12.00	0.00	
9,525.00	3.84	1.00	9,317.51	-98.93	-1,429.98	85.90	12.00	12.00	0.00	
9,550.00	6.84	1.00	9,342.40	-96.60	-1,429.94	88.21	12.00	12.00	0.00	
9,575.00	9.84	1.00	9,367.13	-92.98	-1,429.88	91.79	12.00	12.00	0.00	
9,600.00	12.84	1.00	9,391.64	-88.07	-1,429.79	96.65	12.00	12.00	0.00	
9,625.00	15.84	1.00	9,415.86	-81.88	-1,429.68	102.78	12.00	12.00	0.00	
9,650.00	18.84	1.00	9,439.72	-74.43	-1,429.55	110.15	12.00	12.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2946.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 704H	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)	
9,675.00	21.84	1.00	9,463.16	-65.74	-1,429.40	118.74	12.00	12.00	0.00	
9,700.00	24.84	1.00	9,486.11	-55.84	-1,429.23	128.54	12.00	12.00	0.00	
9,725.00	27.84	1.00	9,508.52	-44.75	-1,429.04	139.51	12.00	12.00	0.00	
9,750.00	30.84	1.00	9,530.31	-32.50	-1,428.82	151.63	12.00	12.00	0.00	
9,775.00	33.84	1.00	9,551.43	-19.13	-1,428.59	164.86	12.00	12.00	0.00	
9,800.00	36.84	1.00	9,571.82	-4.68	-1,428.34	179.16	12.00	12.00	0.00	
9,825.00	39.84	1.00	9,591.42	10.83	-1,428.07	194.50	12.00	12.00	0.00	
9,850.00	42.84	1.00	9,610.19	27.33	-1,427.78	210.84	12.00	12.00	0.00	
9,875.00	45.84	1.00	9,628.07	44.80	-1,427.47	228.12	12.00	12.00	0.00	
9,900.00	48.84	1.00	9,645.01	63.18	-1,427.15	246.30	12.00	12.00	0.00	
9,925.00	51.84	1.00	9,660.96	82.42	-1,426.82	265.34	12.00	12.00	0.00	
9,950.00	54.84	1.00	9,675.89	102.47	-1,426.47	285.18	12.00	12.00	0.00	
9,975.00	57.84	1.00	9,689.74	123.28	-1,426.10	305.76	12.00	12.00	0.00	
10,000.00	60.84	1.00	9,702.49	144.77	-1,425.73	327.04	12.00	12.00	0.00	
10,025.00	63.84	1.00	9,714.10	166.91	-1,425.34	348.94	12.00	12.00	0.00	
10,050.00	66.84	1.00	9,724.53	189.63	-1,424.94	371.41	12.00	12.00	0.00	
10,075.00	69.84	1.00	9,733.75	212.85	-1,424.54	394.40	12.00	12.00	0.00	
10,100.00	72.84	1.00	9,741.75	236.53	-1,424.13	417.83	12.00	12.00	0.00	
10,125.00	75.84	1.00	9,748.50	260.60	-1,423.71	441.64	12.00	12.00	0.00	
10,150.00	78.84	1.00	9,753.98	284.99	-1,423.28	465.76	12.00	12.00	0.00	
10,175.00	81.84	1.00	9,758.17	309.62	-1,422.85	490.14	12.00	12.00	0.00	
10,200.00	84.84	1.00	9,761.07	334.45	-1,422.42	514.71	12.00	12.00	0.00	
10,225.00	87.84	1.00	9,762.67	359.39	-1,421.98	539.38	12.00	12.00	0.00	
10,240.81	89.74	1.00	9,763.00	375.19	-1,421.71	555.02	12.00	12.00	0.00	
10,300.00	89.74	1.00	9,763.27	434.37	-1,420.67	613.58	0.00	0.00	0.00	
10,400.00	89.74	1.00	9,763.73	534.36	-1,418.93	712.50	0.00	0.00	0.00	
10,500.00	89.74	1.00	9,764.19	634.34	-1,417.18	811.43	0.00	0.00	0.00	
10,600.00	89.74	1.00	9,764.65	734.33	-1,415.44	910.36	0.00	0.00	0.00	
10,700.00	89.74	1.00	9,765.11	834.31	-1,413.69	1,009.29	0.00	0.00	0.00	
10,800.00	89.74	1.00	9,765.57	934.29	-1,411.95	1,108.22	0.00	0.00	0.00	
10,900.00	89.74	1.00	9,766.03	1,034.28	-1,410.20	1,207.14	0.00	0.00	0.00	
11,000.00	89.74	1.00	9,766.49	1,134.26	-1,408.46	1,306.07	0.00	0.00	0.00	
11,100.00	89.74	1.00	9,766.94	1,234.24	-1,406.71	1,405.00	0.00	0.00	0.00	
11,200.00	89.74	1.00	9,767.40	1,334.23	-1,404.97	1,503.93	0.00	0.00	0.00	
11,300.00	89.74	1.00	9,767.86	1,434.21	-1,403.22	1,602.86	0.00	0.00	0.00	
11,400.00	89.74	1.00	9,768.32	1,534.20	-1,401.48	1,701.78	0.00	0.00	0.00	
11,500.00	89.74	1.00	9,768.78	1,634.18	-1,399.73	1,800.71	0.00	0.00	0.00	
11,600.00	89.74	1.00	9,769.24	1,734.16	-1,397.98	1,899.64	0.00	0.00	0.00	
11,700.00	89.74	1.00	9,769.70	1,834.15	-1,396.24	1,998.57	0.00	0.00	0.00	
11,800.00	89.74	1.00	9,770.16	1,934.13	-1,394.49	2,097.50	0.00	0.00	0.00	
11,900.00	89.74	1.00	9,770.62	2,034.11	-1,392.75	2,196.42	0.00	0.00	0.00	
12,000.00	89.74	1.00	9,771.08	2,134.10	-1,391.00	2,295.35	0.00	0.00	0.00	
12,100.00	89.74	1.00	9,771.53	2,234.08	-1,389.26	2,394.28	0.00	0.00	0.00	
12,200.00	89.74	1.00	9,771.99	2,334.07	-1,387.51	2,493.21	0.00	0.00	0.00	
12,300.00	89.74	1.00	9,772.45	2,434.05	-1,385.77	2,592.13	0.00	0.00	0.00	
12,400.00	89.74	1.00	9,772.91	2,534.03	-1,384.02	2,691.06	0.00	0.00	0.00	
12,500.00	89.74	1.00	9,773.37	2,634.02	-1,382.28	2,789.99	0.00	0.00	0.00	
12,600.00	89.74	1.00	9,773.83	2,734.00	-1,380.53	2,888.92	0.00	0.00	0.00	
12,700.00	89.74	1.00	9,774.29	2,833.98	-1,378.79	2,987.85	0.00	0.00	0.00	
12,800.00	89.74	1.00	9,774.75	2,933.97	-1,377.04	3,086.77	0.00	0.00	0.00	
12,900.00	89.74	1.00	9,775.21	3,033.95	-1,375.30	3,185.70	0.00	0.00	0.00	
13,000.00	89.74	1.00	9,775.67	3,133.94	-1,373.55	3,284.63	0.00	0.00	0.00	
13,100.00	89.74	1.00	9,776.12	3,233.92	-1,371.81	3,383.56	0.00	0.00	0.00	
13,200.00	89.74	1.00	9,776.58	3,333.90	-1,370.06	3,482.49	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2946.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 704H	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)	
13,300.00	89.74	1.00	9,777.04	3,433.89	-1,368.32	3,581.41	0.00	0.00	0.00	
13,400.00	89.74	1.00	9,777.50	3,533.87	-1,366.57	3,680.34	0.00	0.00	0.00	
13,465.81	89.74	1.00	9,777.80	3,599.67	-1,365.42	3,745.44	0.00	0.00	0.00	
13,500.00	89.74	0.32	9,777.96	3,633.86	-1,365.03	3,779.30	2.00	0.00	-2.00	
13,519.16	89.74	359.93	9,778.05	3,653.01	-1,364.99	3,798.29	2.00	0.00	-2.00	
13,600.00	89.74	359.93	9,778.42	3,733.86	-1,365.08	3,878.47	0.00	0.00	0.00	
13,700.00	89.74	359.93	9,778.88	3,833.85	-1,365.20	3,977.65	0.00	0.00	0.00	
13,800.00	89.74	359.93	9,779.34	3,933.85	-1,365.32	4,076.84	0.00	0.00	0.00	
13,900.00	89.74	359.93	9,779.80	4,033.85	-1,365.43	4,176.02	0.00	0.00	0.00	
14,000.00	89.74	359.93	9,780.26	4,133.85	-1,365.55	4,275.20	0.00	0.00	0.00	
14,100.00	89.74	359.93	9,780.72	4,233.85	-1,365.67	4,374.38	0.00	0.00	0.00	
14,200.00	89.74	359.93	9,781.18	4,333.85	-1,365.78	4,473.57	0.00	0.00	0.00	
14,300.00	89.74	359.93	9,781.64	4,433.85	-1,365.90	4,572.75	0.00	0.00	0.00	
14,400.00	89.74	359.93	9,782.10	4,533.85	-1,366.02	4,671.93	0.00	0.00	0.00	
14,500.00	89.74	359.93	9,782.56	4,633.85	-1,366.13	4,771.12	0.00	0.00	0.00	
14,600.00	89.74	359.93	9,783.02	4,733.84	-1,366.25	4,870.30	0.00	0.00	0.00	
14,700.00	89.74	359.93	9,783.48	4,833.84	-1,366.37	4,969.48	0.00	0.00	0.00	
14,800.00	89.74	359.93	9,783.94	4,933.84	-1,366.49	5,068.66	0.00	0.00	0.00	
14,900.00	89.74	359.93	9,784.40	5,033.84	-1,366.60	5,167.85	0.00	0.00	0.00	
15,000.00	89.74	359.93	9,784.86	5,133.84	-1,366.72	5,267.03	0.00	0.00	0.00	
15,100.00	89.74	359.93	9,785.32	5,233.84	-1,366.84	5,366.21	0.00	0.00	0.00	
15,200.00	89.74	359.93	9,785.78	5,333.84	-1,366.95	5,465.39	0.00	0.00	0.00	
15,300.00	89.74	359.93	9,786.24	5,433.84	-1,367.07	5,564.58	0.00	0.00	0.00	
15,400.00	89.74	359.93	9,786.70	5,533.84	-1,367.19	5,663.76	0.00	0.00	0.00	
15,500.00	89.74	359.93	9,787.16	5,633.83	-1,367.30	5,762.94	0.00	0.00	0.00	
15,600.00	89.74	359.93	9,787.62	5,733.83	-1,367.42	5,862.12	0.00	0.00	0.00	
15,700.00	89.74	359.93	9,788.08	5,833.83	-1,367.54	5,961.31	0.00	0.00	0.00	
15,800.00	89.74	359.93	9,788.54	5,933.83	-1,367.65	6,060.49	0.00	0.00	0.00	
15,900.00	89.74	359.93	9,789.00	6,033.83	-1,367.77	6,159.67	0.00	0.00	0.00	
16,000.00	89.74	359.93	9,789.46	6,133.83	-1,367.89	6,258.85	0.00	0.00	0.00	
16,100.00	89.74	359.93	9,789.92	6,233.83	-1,368.00	6,358.04	0.00	0.00	0.00	
16,200.00	89.74	359.93	9,790.38	6,333.83	-1,368.12	6,457.22	0.00	0.00	0.00	
16,300.00	89.74	359.93	9,790.84	6,433.83	-1,368.24	6,556.40	0.00	0.00	0.00	
16,400.00	89.74	359.93	9,791.30	6,533.82	-1,368.36	6,655.58	0.00	0.00	0.00	
16,500.00	89.74	359.93	9,791.76	6,633.82	-1,368.47	6,754.77	0.00	0.00	0.00	
16,600.00	89.74	359.93	9,792.22	6,733.82	-1,368.59	6,853.95	0.00	0.00	0.00	
16,700.00	89.74	359.93	9,792.68	6,833.82	-1,368.71	6,953.13	0.00	0.00	0.00	
16,800.00	89.74	359.93	9,793.14	6,933.82	-1,368.82	7,052.31	0.00	0.00	0.00	
16,900.00	89.74	359.93	9,793.60	7,033.82	-1,368.94	7,151.50	0.00	0.00	0.00	
17,000.00	89.74	359.93	9,794.06	7,133.82	-1,369.06	7,250.68	0.00	0.00	0.00	
17,100.00	89.74	359.93	9,794.52	7,233.82	-1,369.17	7,349.86	0.00	0.00	0.00	
17,200.00	89.74	359.93	9,794.97	7,333.81	-1,369.29	7,449.04	0.00	0.00	0.00	
17,300.00	89.74	359.93	9,795.43	7,433.81	-1,369.41	7,548.23	0.00	0.00	0.00	
17,400.00	89.74	359.93	9,795.89	7,533.81	-1,369.52	7,647.41	0.00	0.00	0.00	
17,500.00	89.74	359.93	9,796.35	7,633.81	-1,369.64	7,746.59	0.00	0.00	0.00	
17,600.00	89.74	359.93	9,796.81	7,733.81	-1,369.76	7,845.77	0.00	0.00	0.00	
17,700.00	89.74	359.93	9,797.27	7,833.81	-1,369.87	7,944.96	0.00	0.00	0.00	
17,800.00	89.74	359.93	9,797.73	7,933.81	-1,369.99	8,044.14	0.00	0.00	0.00	
17,900.00	89.74	359.93	9,798.19	8,033.81	-1,370.11	8,143.32	0.00	0.00	0.00	
18,000.00	89.74	359.93	9,798.65	8,133.81	-1,370.23	8,242.50	0.00	0.00	0.00	
18,100.00	89.74	359.93	9,799.11	8,233.80	-1,370.34	8,341.69	0.00	0.00	0.00	
18,200.00	89.74	359.93	9,799.57	8,333.80	-1,370.46	8,440.87	0.00	0.00	0.00	
18,300.00	89.74	359.93	9,800.03	8,433.80	-1,370.58	8,540.05	0.00	0.00	0.00	
18,400.00	89.74	359.93	9,800.49	8,533.80	-1,370.69	8,639.23	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2946.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 704H	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)	
18,500.00	89.74	359.93	9,800.95	8,633.80	-1,370.81	8,738.42	0.00	0.00	0.00	
18,600.00	89.74	359.93	9,801.41	8,733.80	-1,370.93	8,837.60	0.00	0.00	0.00	
18,700.00	89.74	359.93	9,801.87	8,833.80	-1,371.04	8,936.78	0.00	0.00	0.00	
18,800.00	89.74	359.93	9,802.33	8,933.80	-1,371.16	9,035.96	0.00	0.00	0.00	
18,900.00	89.74	359.93	9,802.79	9,033.80	-1,371.28	9,135.15	0.00	0.00	0.00	
19,000.00	89.74	359.93	9,803.25	9,133.79	-1,371.39	9,234.33	0.00	0.00	0.00	
19,100.00	89.74	359.93	9,803.71	9,233.79	-1,371.51	9,333.51	0.00	0.00	0.00	
19,200.00	89.74	359.93	9,804.17	9,333.79	-1,371.63	9,432.69	0.00	0.00	0.00	
19,300.00	89.74	359.93	9,804.63	9,433.79	-1,371.75	9,531.88	0.00	0.00	0.00	
19,400.00	89.74	359.93	9,805.09	9,533.79	-1,371.86	9,631.06	0.00	0.00	0.00	
19,500.00	89.74	359.93	9,805.55	9,633.79	-1,371.98	9,730.24	0.00	0.00	0.00	
19,600.00	89.74	359.93	9,806.01	9,733.79	-1,372.10	9,829.42	0.00	0.00	0.00	
19,700.00	89.74	359.93	9,806.47	9,833.79	-1,372.21	9,928.61	0.00	0.00	0.00	
19,800.00	89.74	359.93	9,806.93	9,933.79	-1,372.33	10,027.79	0.00	0.00	0.00	
19,900.00	89.74	359.93	9,807.39	10,033.78	-1,372.45	10,126.97	0.00	0.00	0.00	
20,000.00	89.74	359.93	9,807.85	10,133.78	-1,372.56	10,226.15	0.00	0.00	0.00	
20,100.00	89.74	359.93	9,808.31	10,233.78	-1,372.68	10,325.34	0.00	0.00	0.00	
20,200.00	89.74	359.93	9,808.77	10,333.78	-1,372.80	10,424.52	0.00	0.00	0.00	
20,300.00	89.74	359.93	9,809.23	10,433.78	-1,372.91	10,523.70	0.00	0.00	0.00	
20,400.00	89.74	359.93	9,809.69	10,533.78	-1,373.03	10,622.88	0.00	0.00	0.00	
20,467.46	89.74	359.93	9,810.00	10,601.24	-1,373.11	10,689.80	0.00	0.00	0.00	

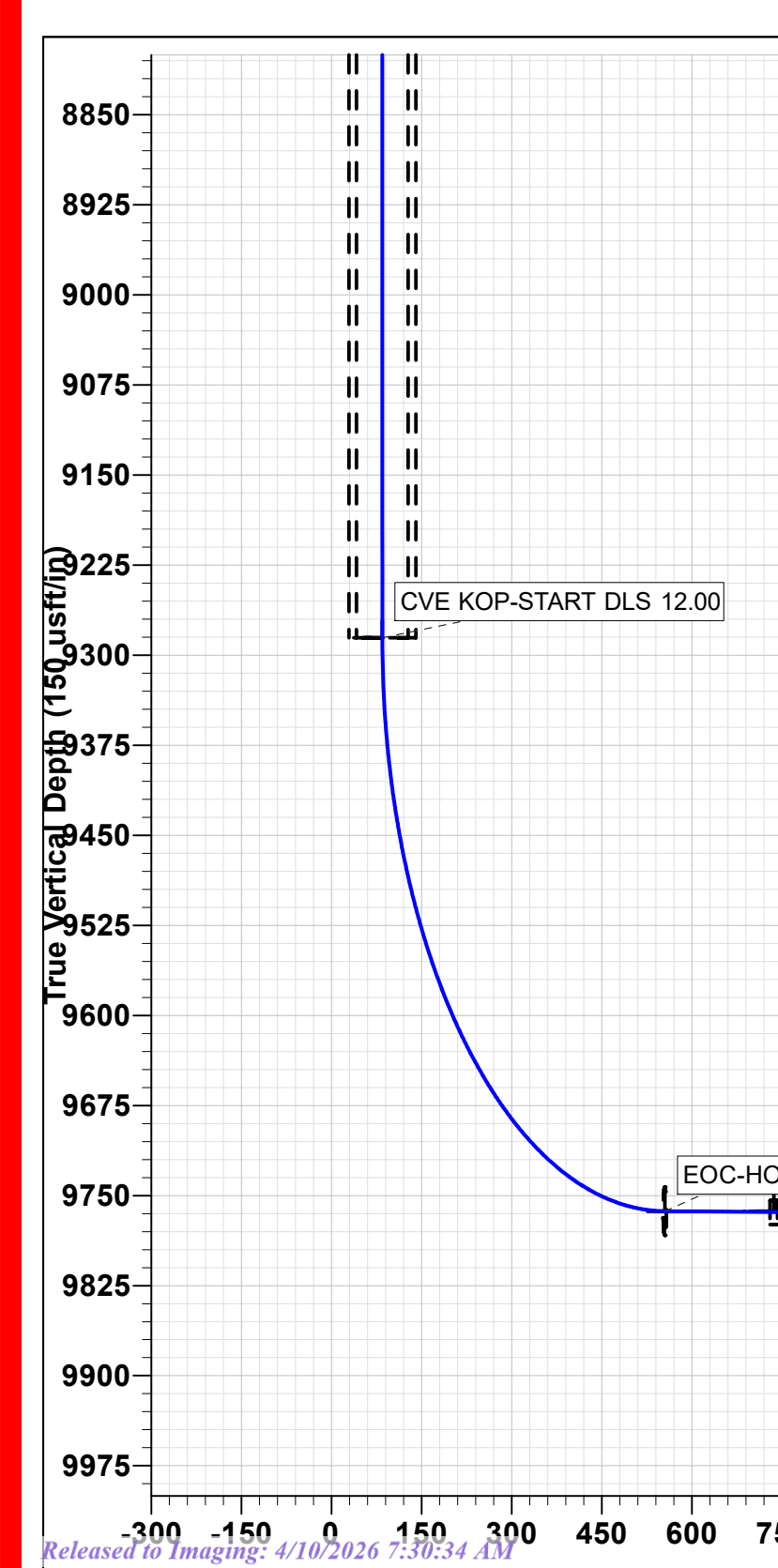
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
1ST TNGT WNDW_25'A - hit/miss target - Shape - Rectangle (sides W50.00 H50.00 D100.00)	17.50	75.00	2,456.83	-42.10	-157.12	376,388.60	592,358.28	32° 2' 4.043 N	104° 2' 7.035 W	
2ND TNGT WNDW_25'Z - plan hits target center - Rectangle (sides W50.00 H50.00 D400.00)	17.50	87.68	2,838.38	-53.22	-276.38	376,377.48	592,239.03	32° 2' 3.937 N	104° 2' 8.420 W	
3RD TNGT WNDW_50'Z - plan hits target center - Rectangle (sides W50.00 H75.00 D3,398.43)	17.50	87.68	6,079.50	-94.63	-1,297.51	376,336.07	591,217.90	32° 2' 3.555 N	104° 2' 20.284 W	
KOP BOX_50'N/S x 50'E - plan hits target center - Rectangle (sides W100.00 H100.00 D2,344.55)	0.00	179.93	9,285.55	-100.00	-1,430.00	376,330.70	591,085.40	32° 2' 3.505 N	104° 2' 21.824 W	
EOC/LP_TS FED 704H - plan hits target center - Circle (radius 20.00)	90.00	0.00	9,763.00	375.19	-1,421.71	376,805.89	591,093.70	32° 2' 8.208 N	104° 2' 21.712 W	
FTP (TATER SALAD FE - plan misses target center by 56.67usft at 10432.93usft MD (9763.88 TVD, 567.28 N, -1418.35 E) - Circle (radius 50.00)	0.00	0.00	9,763.00	566.30	-1,361.70	376,997.00	591,153.70	32° 2' 10.097 N	104° 2' 21.009 W	
LTP (TATER SALAD FEI - plan misses target center by 0.13usft at 20317.32usft MD (9809.31 TVD, 10451.10 N, -1372.93 E) - Point	0.00	0.00	9,809.31	10,451.10	-1,372.80	386,881.80	591,142.60	32° 3' 47.923 N	104° 2' 20.825 W	
PBHL (TATER SALAD F - plan misses target center by 0.13usft at 20447.32usft MD (9809.91 TVD, 10581.10 N, -1373.09 E) - Rectangle (sides W100.00 H10,015.00 D20.00)	-0.26	179.93	9,810.00	10,581.10	-1,373.00	387,011.80	591,142.40	32° 3' 49.209 N	104° 2' 20.823 W	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 704H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2946.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2946.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.00	1,500.00	0.00	0.00	NUDGE @ DLS 2.00
2,375.00	2,361.46	-34.32	-128.07	HOLD TNGT
2,475.00	2,456.83	-42.10	-157.12	TURN @ DLS 2.00 TFO 96.04
2,665.27	2,638.36	-50.67	-213.36	HOLD TNGT
6,273.43	6,079.51	-94.63	-1,297.51	END NUDGE
7,148.46	6,941.00	-100.00	-1,430.00	HOLD TO CVE KOP
9,493.01	9,285.55	-100.00	-1,430.00	CVE KOP-START DLS 12.00
10,240.81	9,763.00	375.19	-1,421.71	EOC-HOLD
13,465.81	9,777.80	3,599.67	-1,365.42	TURN @ DLS 2.00 TFO -90.03
13,519.16	9,778.05	3,653.01	-1,364.99	END TURN-HOLD
20,467.46	9,810.00	10,601.24	-1,373.11	TD @ 20467.5 MD / 10689.8 VS

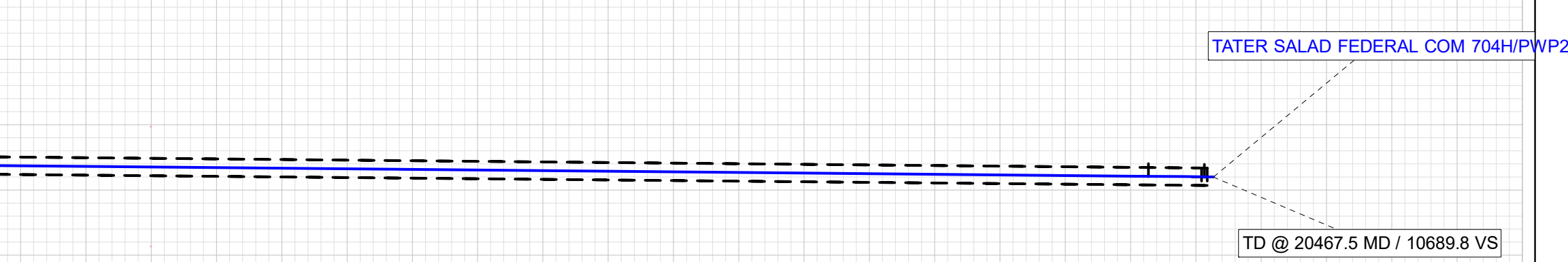
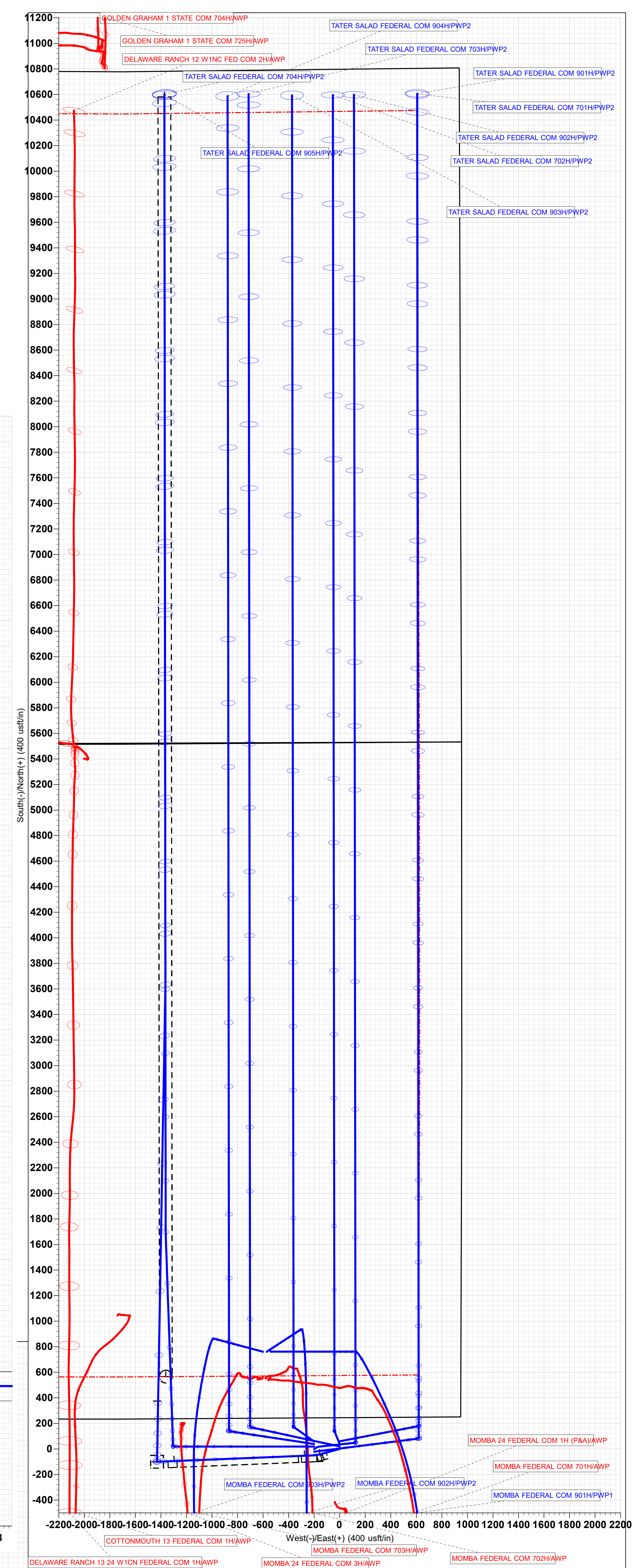
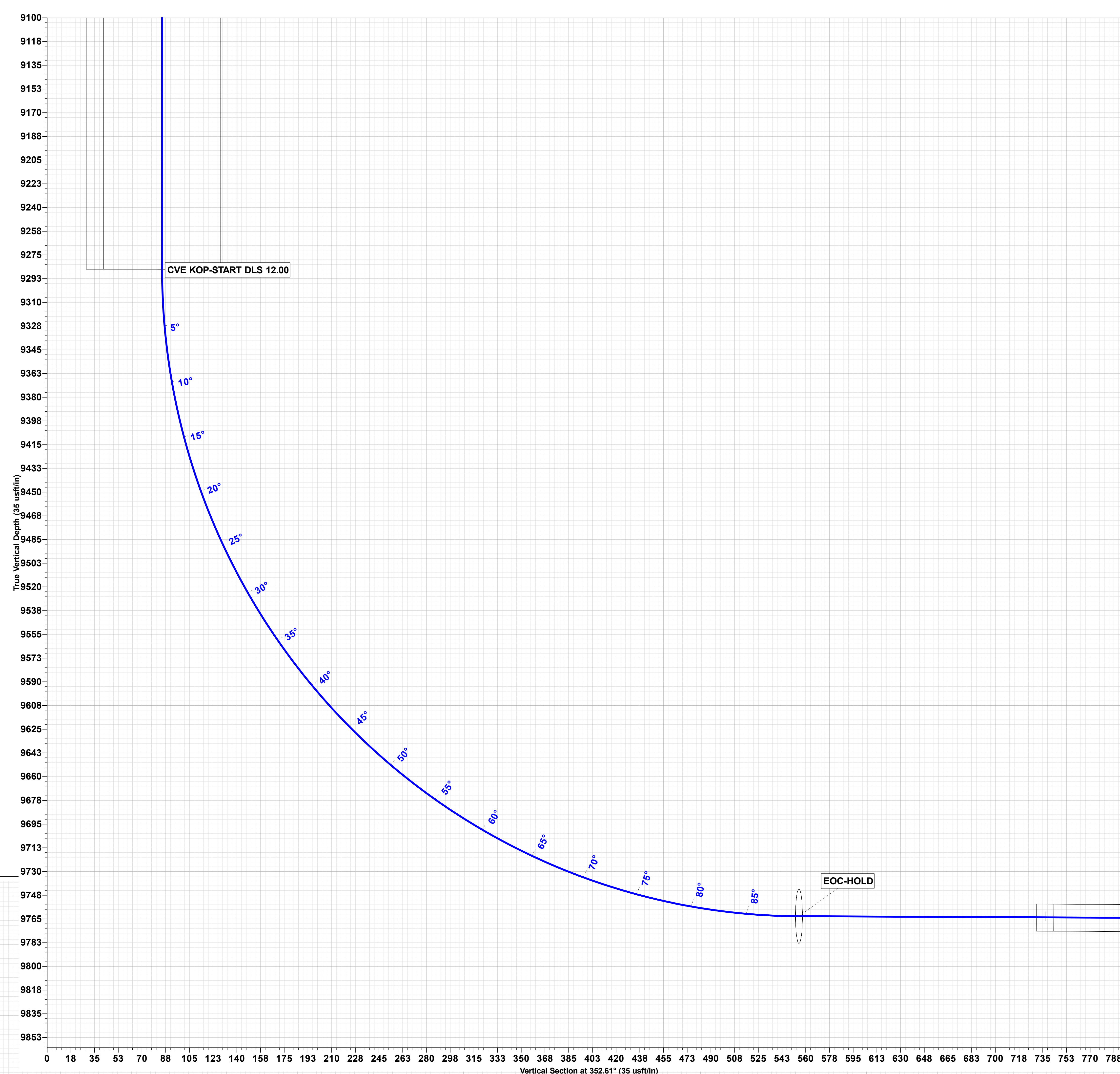


WELL DETAILS: TATER SALAD FEDERAL COM 704H

DESIGN TARGET DETAILS

SECTION DETAILS

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSetc
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00
2375.00	17.50	255.00	2361.46	-34.32	-128.07	0.00	255.00	-17.55
2475.00	17.50	255.00	2456.33	-42.10	-157.12	0.00	0.00	-21.53
2665.27	17.50	267.68	2638.36	-50.67	-213.36	0.00	96.04	-22.79
6273.43	17.50	267.68	6079.50	-94.63	-1297.50	0.00	0.00	73.12
7148.46	0.00	0.00	6941.00	-100.00	-1430.51	0.00	180.00	84.85
9493.01	0.00	0.00	9285.58	-100.00	-1430.50	0.00	0.00	84.85
10240.81	89.74	0.00	9180.00	375.19	-1365.42	12.00	15.00	14.85
13465.81	89.74	0.00	9777.80	3599.87	-1365.42	0.00	0.00	3745.44
13519.15	89.74	359.93	9778.05	3653.01	-1364.99	0.00	-90.03	3798.29
20646.47	89.74	359.93	9810.00	10601.24	-1373.11	0.00	0.00	10689.79



Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM12559	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No. TATER SALAD FEDERAL COM/704H	
9. API Well No.	
10. Field and Pool or Exploratory Area PURPLE SAGE/Wolfcamp, Gas	11. Country or Parish, State EDDY/NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
COG OPERATING LLC

3a. Address 600 West Illinois Ave, Midland, TX 79701 3b. Phone No. (include area code)
(432) 683-7443

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

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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

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

API# 30-015-57313
APD ID: 10400090877

Summary of changes:
No changes in targets
MD at TD changed to 20,468'
TVD of target changed to 9,763'
7-5/8" casing shoe @ 9,400' MD
Contingency cement program to include bradenhead cement job if severe losses are encountered
Request surface and intermediate cement jobs to be performed offline
Continued on page 3 additional information

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

Additional Remarks

Request variance to perform BOPE break testing on intermediate skids

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

Location of Well

0. SHL: NENE / 245 FNL / 950 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034695 / LONG: -104.035265 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 330 FSL / 2310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036263 / LONG: -104.039654 (TVD: 9748 feet, MD: 10417 feet)

PPP: SWNE / 1321 FNL / 2310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.046265 / LONG: -104.039636 (TVD: 9774 feet, MD: 13711 feet)

BHL: NWNE / 200 FNL / 2310 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063793 / LONG: -104.039603 (TVD: 9760 feet, MD: 20464 feet)

CONFIDENTIAL

Well Name: TATER SALAD FEDERAL COM	Well Location: T26S / R28E / SEC 24 / NENE / 32.034695 / -104.035265	County or Parish/State: EDDY / NM
Well Number: 704H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM12559	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: COG OPERATING LLC	

Notice of Intent

Sundry ID: 2894346

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 02/04/2026	Time Sundry Submitted: 11:52
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. API# 30-015-57313 APD ID: 10400090877 Summary of changes: • No changes in targets • MD at TD changed to 20,468' • TVD of target changed to 9,763' • 7-5/8" casing shoe @ 9,400' MD • Contingency cement program to include bradenhead cement job if severe losses are encountered • Request surface and intermediate cement jobs to be performed offline • Request variance to perform BOPE break testing on intermediate skids Drilling program, directional plan, AC report, bradenhead and break testing attached.

NOI Attachments

Procedure Description

- COP_Offline_Bradenhead_Intermediate_Documentation_20260204115215.pdf
- Tater_Salad_Federal_Com_704H_Drilling_Program_20260204115214.pdf
- TATER_SALAD_FEDERAL_COM_704H_PWP2_PPLOT_20260204115214.pdf
- TATER_SALAD_FEDERAL_COM_704H_PWP2_AC_RPT_20260204115214.pdf
- TATER_SALAD_FEDERAL_COM_704H_PWP2_DIR_RPT_20260204115213.pdf
- COP_BOP_Break_Testing_Documentation_20260204115212.pdf

Received by OCD: 2/24/2026 7:17:07 AM

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Well Name: TATER SALAD FEDERAL COM	Well Location: T26S / R28E / SEC 24 / NENE / 32.034695 / -104.035265	County or Parish/State: EDDY / NM
Well Number: 704H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM12559	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: COG OPERATING LLC	

Conditions of Approval

Additional

SEC24_T26S_R28E_TATER_SALAD_FED_COM_Eddy__CONOCOPHILLIPS_COMPANY_46064_JS_B_20260211150457.pdf

SEC24_T26S_R28E_TATER_SALAD_FED_COM_Eddy__CONOCOPHILLIPS_COMPANY_46064_JS_20260211150457.pdf

TATER_SALAD_FED_COM_704H_COAs_20260211150457.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 11:52 AM

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 704H

1. Geologic Formations

TVD of target	9,763' EOL	Pilot hole depth	NA
MD at TD:	20,468'	Deepest expected fresh water:	0'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	466	Water	
Top of Salt	595	Salt	
Base of Salt	2463	Salt	
Lamar	2661	Salt Water	
Bell Canyon	2710	Salt Water	
Cherry Canyon	3510	Oil/Gas	
Brushy Canyon	4858	Oil/Gas	
Bone Spring	6369	Oil/Gas	
1st Bone Spring Sand	7267	Oil/Gas	
2nd Bone Spring Sand	7949	Oil/Gas	
3rd Bone Spring Sand	9102	Oil/Gas	
Wolfcamp	9457	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	1.25	3.26	3.29
8.750"	7500	9400	7.625"	29.7	P110-ICY	W513	1.51	1.88	3.83	2.30
6.75"	0	9200	5.5"	23	P110-CY	BTC	2.25	2.62	3.45	3.45
6.75"	9200	20,468	5.5"	23	P110-CY	W441	2.12	2.47	3.25	2.95
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	1.56	8.91	9.21
8.75"	2370	9400	7.625"	29.7	P110-ICY	W513	1.51	1.88	3.83	2.30
6.75"	0	9200	5.5"	23	P110-CY	BTC	2.25	2.62	3.45	3.45
6.75"	9200	20,468	5.5"	23	P110-CY	W441	2.12	2.47	3.25	2.95
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 24, 2026

1

ConocoPhillips Company - TATER SALAD FED COM 704H

	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 704H

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	710	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	580	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	850	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	8,900'	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
	850	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	9,150'	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 704H**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.
Y	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 704H

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 704H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	6855 psi at 9763' TVD
Abnormal Temperature	NO 155 Deg. F.

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

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

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

8. Other Facets of Operation

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

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

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	TATER SALAD FED COM 704H
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/oed/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 556952

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 556952
	Action Type: [C-103A] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	4/10/2026
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	4/10/2026
ward.rikala	Any cement pumped must obtain 500 psi compressive strength prior to resuming operations.	4/10/2026