

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/904H	
9. API Well No.	
10. Field and Pool or Exploratory Area PURPLE SAGE/Wolfcamp	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 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 # 30-015-57314
APD ID: 10400090891

Summary of changes:
No changes in targets
MD at TD changed to 21,050'
TVD of target changed to 10,752'
7-5/8" casing shoe @ 10,300' MD
Contingency cement program to include bradenhead cement job if severe losses are encountered
Request surface and intermediate cement jobs to be performed offline
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 02/06/2026

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.

Location of Well

0. SHL: NENE / 205 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034803 / LONG: -104.035911 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 330 FSL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036267 / LONG: -104.038057 (TVD: 10745 feet, MD: 11027 feet)

PPP: SWNE / 1321 FNL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.046266 / LONG: -104.038038 (TVD: 10781 feet, MD: 14357 feet)

BHL: NWNE / 200 FNL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063806 / LONG: -104.038005 (TVD: 10800 feet, MD: 21098 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)

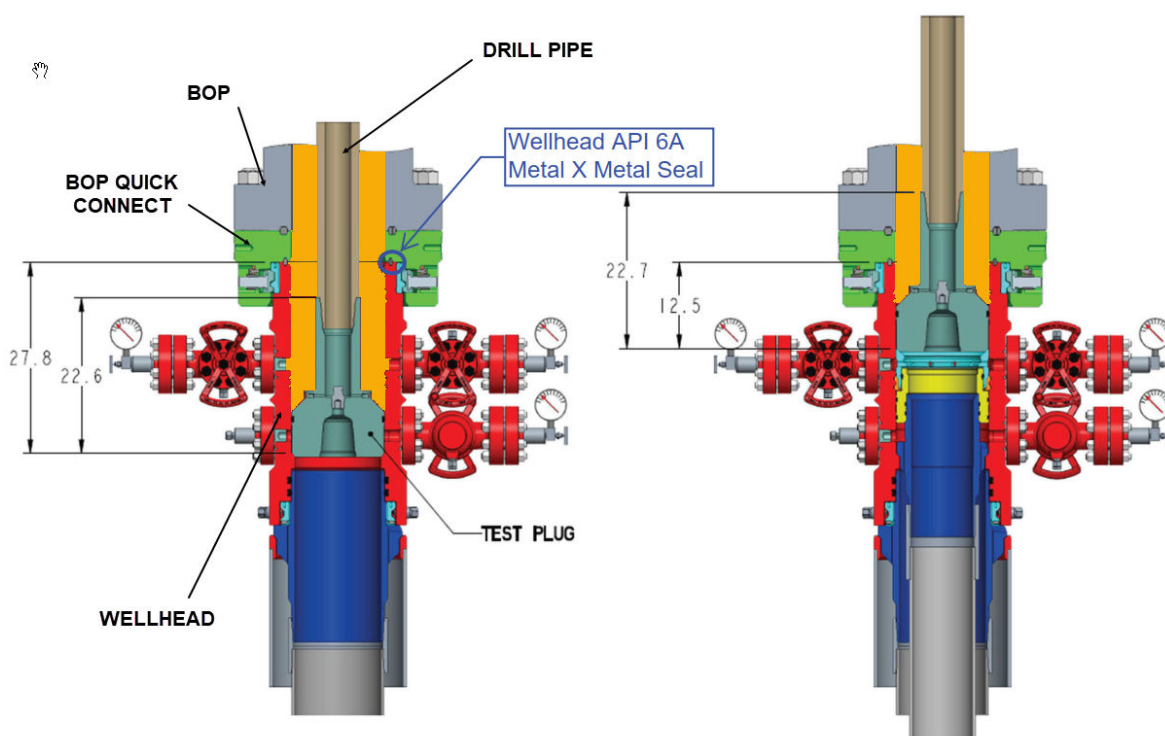


Figure 1: Test plug installed (The orange sections above indicate the areas exposed to the pressure test)

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.

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

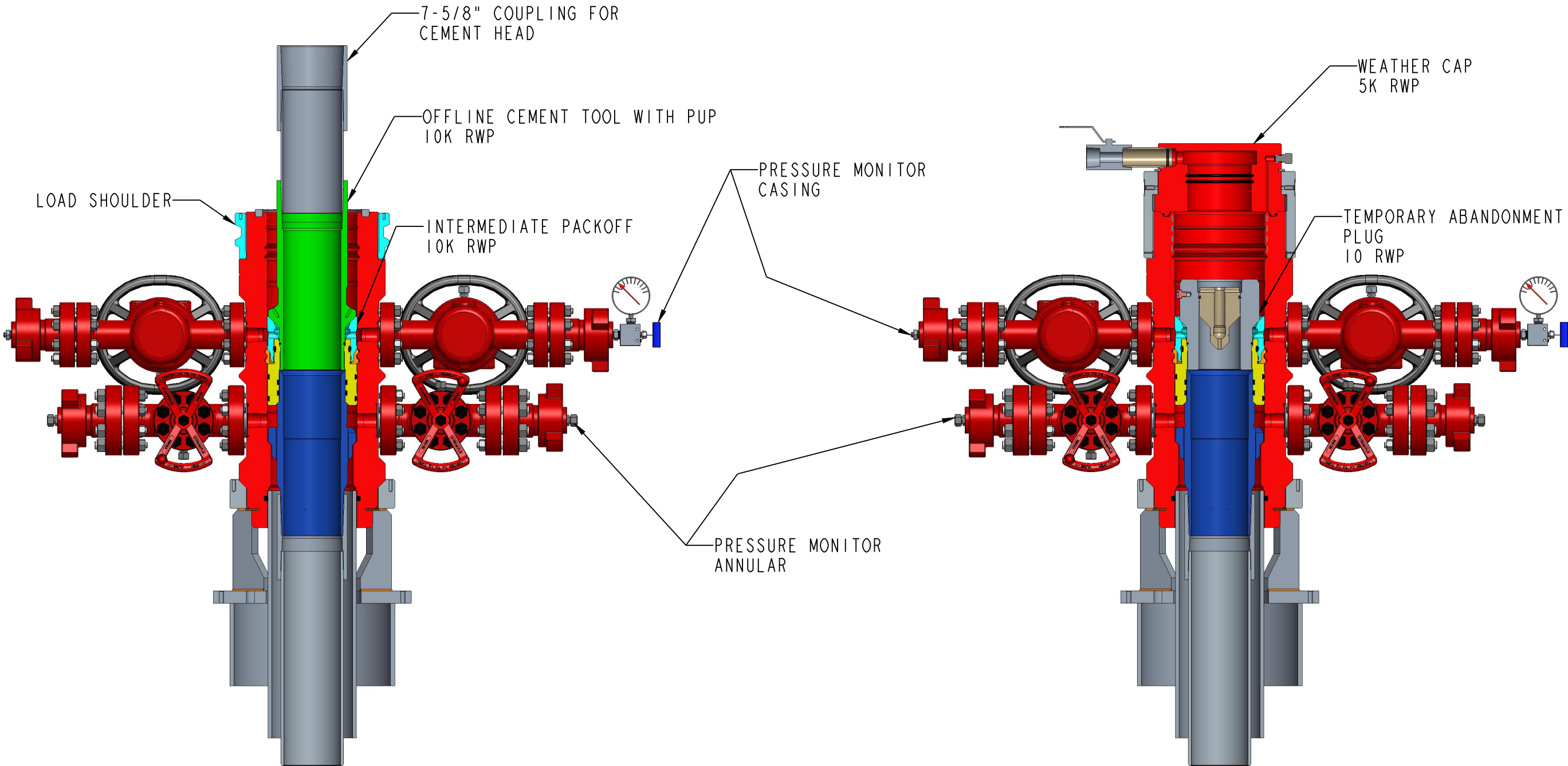
1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through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

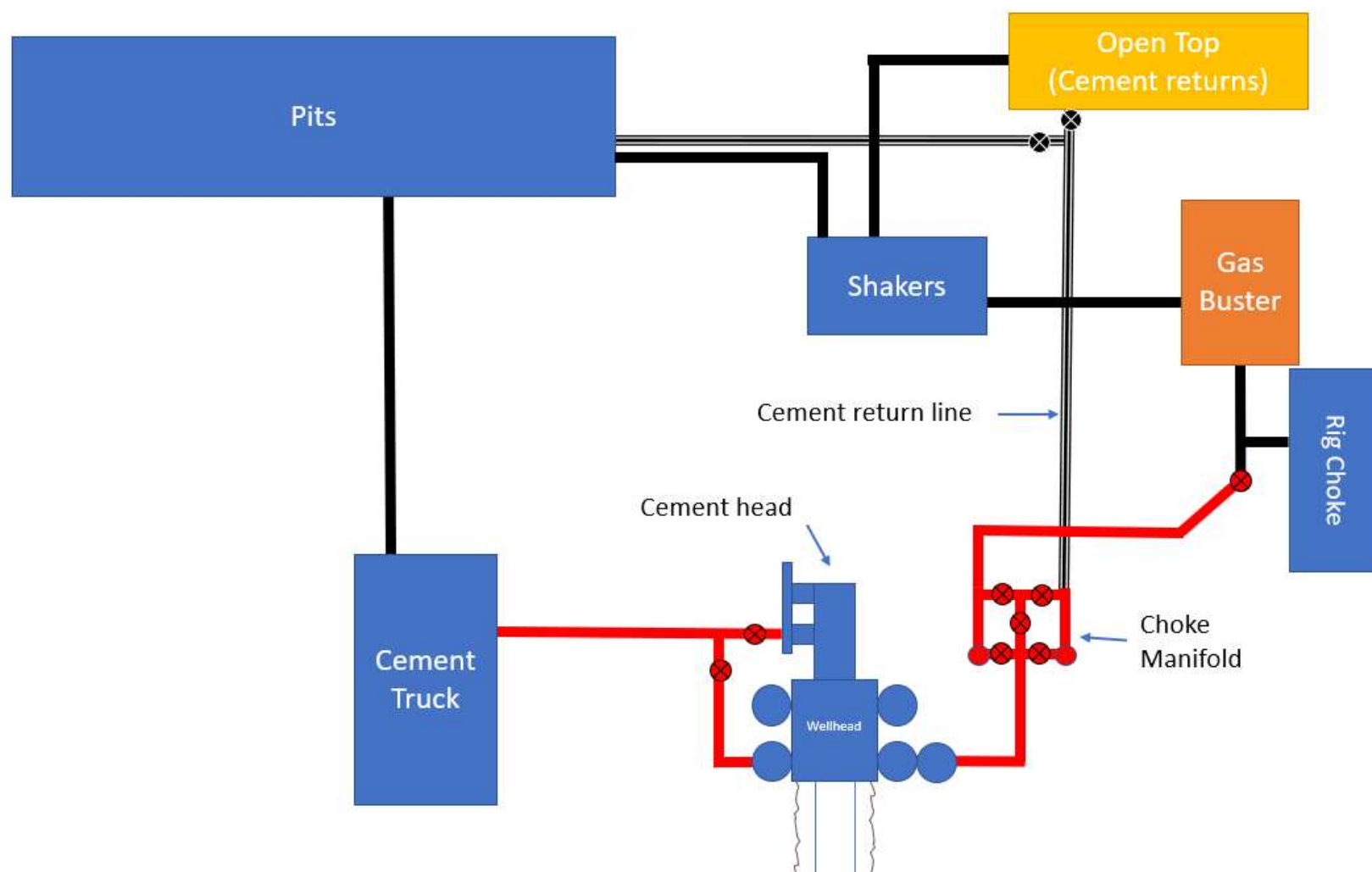
1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - 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 904H

300155731400

OWB

PWP2

Anticollision Report

31 January, 2026

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

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

Survey Tool Program	Date	1/31/2026		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	2,000.00	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.
2,000.00	10,329.59	PWP2 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
10,329.59	21,049.69	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.

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						
MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP	0.00	0.00	482.50			
MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP	5,400.00	5,328.54	995.82	961.92	29.378 SF	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	6,745.29	6,687.54	372.45	334.73	9.874 CC	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	7,100.00	7,041.72	372.56	334.14	9.698 ES	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	7,300.00	7,239.75	373.48	334.73	9.638 SF	
MOMBA FEDERAL COM 701H - OWB - AWP	3,562.21	3,545.71	460.42	447.75	36.350 CC, ES	
MOMBA FEDERAL COM 701H - OWB - AWP	6,800.00	6,717.18	925.79	895.86	30.926 SF	
MOMBA FEDERAL COM 702H - OWB - AWP	3,986.01	3,949.67	506.73	493.14	37.301 CC	
MOMBA FEDERAL COM 702H - OWB - AWP	4,000.00	3,963.39	506.73	493.12	37.219 ES	
MOMBA FEDERAL COM 702H - OWB - AWP	9,683.05	9,799.52	601.09	566.28	17.269 SF	
MOMBA FEDERAL COM 703H - OWB - AWP	9,804.45	9,931.35	131.18	95.40	3.667 CC, ES, SF	
MOMBA FEDERAL COM 901H - OWB - PWP1	3,971.62	3,932.06	681.48	667.37	48.300 CC	
MOMBA FEDERAL COM 901H - OWB - PWP1	4,000.00	3,959.48	681.52	667.34	48.085 ES	
MOMBA FEDERAL COM 901H - OWB - PWP1	7,900.00	7,783.22	995.09	966.80	35.174 SF	
MOMBA FEDERAL COM 902H - OWB - PWP2	10,800.00	11,129.69	616.01	578.61	16.473 SF	
MOMBA FEDERAL COM 902H - OWB - PWP2	11,120.58	10,811.32	599.28	563.36	16.685 CC, ES	
MOMBA FEDERAL COM 903H - OWB - PWP2	11,046.48	10,800.00	210.65	173.56	5.679 CC	
MOMBA FEDERAL COM 903H - OWB - PWP2	11,050.00	10,797.40	210.66	173.55	5.677 ES	
MOMBA FEDERAL COM 903H - OWB - PWP2	11,075.00	10,778.74	211.15	173.95	5.676 SF	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	1,966.33	1,967.33	201.02	189.68	17.731 CC	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	2,000.00	2,000.00	201.02	189.58	17.573 ES	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	2,100.00	2,094.30	204.37	192.49	17.215 SF	
TATER SALAD FEDERAL COM 702H - OWB - PWP2	2,000.00	2,001.00	200.00	188.56	17.481 CC, ES	
TATER SALAD FEDERAL COM 702H - OWB - PWP2	2,200.00	2,200.86	206.90	194.74	17.020 SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP2	5,541.29	5,578.36	130.72	95.71	3.734 CC	
TATER SALAD FEDERAL COM 703H - OWB - PWP2	5,600.00	5,635.33	131.11	95.65	3.697 ES	
TATER SALAD FEDERAL COM 703H - OWB - PWP2	5,800.00	5,829.25	135.81	98.88	3.677 SF	
TATER SALAD FEDERAL COM 704H - OWB - PWP2	2,804.45	2,841.24	110.22	96.07	7.788 CC, ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP2	3,000.00	3,034.93	113.49	98.64	7.640 SF	
TATER SALAD FEDERAL COM 901H - OWB - PWP2	2,000.00	2,000.10	60.00	48.56	5.245 CC, ES	
TATER SALAD FEDERAL COM 901H - OWB - PWP2	2,200.00	2,199.94	61.49	49.51	5.131 SF	
TATER SALAD FEDERAL COM 902H - OWB - PWP2	2,121.40	2,121.79	39.84	28.06	3.382 CC, ES	
TATER SALAD FEDERAL COM 902H - OWB - PWP2	2,200.00	2,200.37	40.32	28.32	3.359 SF	
TATER SALAD FEDERAL COM 903H - OWB - PWP2	1,966.63	1,966.73	20.00	8.66	1.764 Caution - Monitor Closely, CC	
TATER SALAD FEDERAL COM 903H - OWB - PWP2	2,000.00	2,000.00	20.00	8.56	1.748 Caution - Monitor Closely, 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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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 905H - OWB - PWP2	2,000.00	2,000.00	20.00	8.56	1.748	Caution - Monitor Closely, CC
TATER SALAD FEDERAL COM 905H - OWB - PWP2	2,100.00	2,100.01	20.26	8.54	1.729	Caution - Monitor Closely, ES, SF

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					Rule Assigned:		Offset Well Error:		3.00 usft			
Reference	Offset	Semi	Major Axis											
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	13.00	0.00	3.00	160.20	-453.80	163.40	482.50					
100.00	100.00	82.32	95.32	0.77	3.02	160.23	-454.28	163.24	482.74	477.92	4.82	100.088		
200.00	200.00	181.83	194.81	1.44	3.10	160.35	-455.65	162.70	483.86	478.62	5.23	92.448		
300.00	300.00	280.25	293.23	1.88	3.22	160.47	-457.10	162.14	485.05	479.40	5.65	85.793		
400.00	400.00	376.76	389.72	2.25	3.36	160.54	-458.87	162.12	486.78	480.70	6.08	80.060		
500.00	500.00	470.79	483.72	2.56	3.52	160.52	-461.18	163.11	489.45	482.93	6.52	75.087		
600.00	600.00	568.04	580.89	2.84	3.71	160.42	-464.32	165.12	493.17	486.20	6.97	70.728		
700.00	700.00	669.91	682.69	3.10	3.94	160.30	-467.57	167.44	496.94	489.49	7.46	66.656		
800.00	800.00	768.92	781.63	3.34	4.17	160.14	-470.33	169.84	500.40	492.46	7.93	63.071		
900.00	900.00	867.06	879.69	3.57	4.44	160.03	-473.58	172.05	504.28	495.85	8.42	59.879		
1,000.00	1,000.00	968.50	981.04	3.79	4.73	159.97	-477.19	173.93	508.25	499.32	8.93	56.916		
1,100.00	1,100.00	1,071.06	1,083.54	3.99	5.04	159.92	-480.37	175.56	511.71	502.27	9.44	54.184		
1,200.00	1,200.00	1,171.83	1,184.27	4.19	5.35	159.88	-483.16	177.01	514.80	504.85	9.95	51.730		
1,300.00	1,300.00	1,275.01	1,287.40	4.38	5.66	159.84	-485.78	178.32	517.63	507.17	10.47	49.460		
1,400.00	1,400.00	1,376.20	1,388.57	4.56	5.98	159.82	-487.85	179.27	519.87	508.91	10.97	47.400		
1,500.00	1,500.00	1,479.24	1,491.59	4.74	6.29	159.78	-489.61	180.36	521.85	510.38	11.46	45.535		
1,600.00	1,600.00	1,580.86	1,593.19	4.91	6.58	159.69	-490.70	181.58	523.26	511.33	11.93	43.859		
1,700.00	1,700.00	1,680.87	1,693.20	5.08	6.88	159.64	-491.73	182.47	524.54	512.14	12.40	42.312		
1,800.00	1,800.00	1,780.60	1,792.92	5.24	7.18	159.62	-492.89	183.14	525.86	512.99	12.87	40.863		
1,900.00	1,900.00	1,880.01	1,892.31	5.40	7.48	159.63	-494.24	183.49	527.26	513.91	13.35	39.509		
2,000.00	2,000.00	1,977.80	1,990.09	5.56	7.79	159.58	-495.57	184.51	528.89	515.07	13.82	38.276		
2,100.00	2,099.98	2,074.50	2,086.73	5.79	8.07	-119.41	-496.65	187.57	531.91	517.65	14.26	37.302		
2,200.00	2,199.84	2,170.56	2,182.69	6.01	8.36	-120.16	-497.91	191.86	537.36	522.66	14.70	36.562		
2,300.00	2,299.45	2,265.49	2,277.49	6.26	8.66	-121.16	-499.70	196.45	545.41	530.25	15.16	35.977		
2,400.00	2,398.70	2,359.70	2,371.49	6.52	8.97	-122.48	-501.67	202.43	556.35	540.70	15.65	35.557		
2,499.94	2,497.41	2,459.05	2,470.55	6.80	9.30	-124.16	-503.76	209.64	570.04	553.86	16.18	35.237		
2,600.00	2,595.95	2,562.15	2,573.43	7.04	9.64	-126.14	-505.28	216.27	584.42	567.71	16.72	34.963		
2,700.00	2,694.43	2,666.82	2,677.96	7.29	9.98	-127.95	-506.39	221.49	598.35	581.09	17.26	34.670		
2,800.00	2,792.91	2,767.41	2,778.48	7.56	10.29	-129.52	-507.01	225.20	611.74	593.95	17.79	34.391		
2,900.00	2,891.39	2,868.26	2,879.27	7.84	10.60	-131.01	-507.53	228.58	625.28	606.96	18.32	34.125		
3,000.00	2,989.87	2,968.13	2,979.10	8.15	10.90	-132.39	-507.76	231.38	638.69	619.83	18.86	33.868		
3,100.00	3,088.35	3,067.61	3,078.55	8.46	11.19	-133.70	-507.92	233.95	652.25	632.85	19.40	33.620		
3,200.00	3,186.83	3,168.18	3,179.09	8.79	11.48	-134.95	-508.00	236.14	665.83	645.88	19.95	33.379		
3,300.00	3,285.31	3,267.89	3,278.78	9.13	11.76	-136.13	-507.86	238.02	679.34	658.85	20.49	33.154		
3,400.00	3,383.80	3,365.78	3,376.66	9.48	12.03	-137.21	-507.83	239.57	693.03	671.98	21.04	32.932		
3,500.00	3,482.28	3,464.98	3,475.85	9.84	12.32	-138.26	-507.89	241.08	706.98	685.36	21.62	32.698		
3,600.00	3,580.76	3,565.53	3,576.39	10.21	12.60	-139.26	-507.98	242.15	720.89	698.67	22.21	32.453		
3,700.00	3,679.24	3,664.01	3,674.87	10.58	12.88	-140.17	-508.12	242.80	734.76	711.95	22.81	32.210		
3,800.00	3,777.72	3,761.81	3,772.67	10.96	13.17	-141.03	-508.39	243.44	748.90	725.47	23.43	31.963		
3,900.00	3,876.20	3,861.13	3,871.99	11.35	13.47	-141.86	-508.76	243.98	763.20	739.13	24.07	31.709		
4,000.00	3,974.68	3,960.42	3,971.28	11.74	13.75	-142.66	-509.02	244.40	777.49	752.78	24.71	31.467		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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:		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	
4,100.00	4,073.16	4,057.99	4,068.84	12.13	14.03	-143.41	-509.38	244.67	791.89	766.55	25.34	31.248	
4,200.00	4,171.64	4,155.82	4,166.67	12.53	14.29	-144.11	-510.08	244.83	806.58	780.61	25.97	31.057	
4,300.00	4,270.13	4,253.90	4,264.75	12.93	14.55	-144.78	-510.90	244.87	821.39	794.80	26.60	30.884	
4,400.00	4,368.61	4,352.22	4,363.07	13.34	14.80	-145.42	-511.77	244.98	836.38	809.16	27.22	30.726	
4,500.00	4,467.09	4,450.62	4,461.46	13.75	15.05	-146.03	-512.78	244.91	851.44	823.60	27.84	30.580	
4,600.00	4,565.57	4,548.50	4,559.33	14.16	15.31	-146.62	-513.72	244.99	866.64	838.17	28.47	30.437	
4,700.00	4,664.05	4,645.08	4,655.91	14.58	15.59	-147.20	-514.56	245.25	882.03	852.90	29.13	30.283	
4,800.00	4,762.53	4,741.24	4,752.07	15.00	15.89	-147.77	-515.42	245.88	897.81	868.01	29.80	30.128	
4,900.00	4,861.01	4,837.48	4,848.30	15.42	16.20	-148.30	-516.58	246.45	913.82	883.34	30.48	29.978	
5,000.00	4,959.49	4,933.26	4,944.06	15.84	16.51	-148.79	-518.19	247.11	930.28	899.11	31.16	29.850	
5,100.00	5,057.97	5,033.56	5,044.35	16.26	16.82	-149.29	-519.97	247.68	946.78	914.92	31.86	29.713	
5,200.00	5,156.46	5,134.21	5,144.98	16.69	17.13	-149.75	-521.70	247.96	963.08	930.53	32.55	29.589	
5,300.00	5,254.94	5,232.18	5,242.94	17.11	17.43	-150.20	-523.22	248.22	979.33	946.11	33.22	29.480	
5,400.00	5,353.42	5,328.54	5,339.28	17.54	17.73	-150.63	-524.73	248.69	995.82	961.92	33.90	29.378 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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		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		
2,600.00	2,595.95	2,615.02	2,618.39	7.04	7.19	0.51	164.74	-1,030.54	983.00	968.67	14.33	68.620		
2,700.00	2,694.43	2,707.58	2,710.93	7.29	7.31	0.50	164.19	-1,028.78	963.69	948.99	14.70	65.544		
2,800.00	2,792.91	2,806.24	2,809.58	7.56	7.44	0.47	163.37	-1,027.17	944.62	929.50	15.12	62.466		
2,900.00	2,891.39	2,905.29	2,908.61	7.84	7.59	0.47	162.85	-1,025.43	925.47	909.90	15.57	59.436		
3,000.00	2,989.87	3,000.00	3,003.30	8.15	7.76	0.49	162.81	-1,023.80	906.43	890.39	16.04	56.506		
3,100.00	3,088.35	3,097.13	3,100.42	8.46	7.94	0.51	162.80	-1,022.38	887.64	871.10	16.54	53.666		
3,200.00	3,186.83	3,195.33	3,198.62	8.79	8.14	0.54	162.81	-1,021.03	868.95	851.89	17.06	50.930		
3,300.00	3,285.31	3,291.53	3,294.80	9.13	8.34	0.57	162.85	-1,019.81	850.37	832.76	17.60	48.315		
3,400.00	3,383.80	3,387.01	3,390.28	9.48	8.54	0.58	162.76	-1,018.90	832.07	813.91	18.16	45.830		
3,500.00	3,482.28	3,486.75	3,490.01	9.84	8.76	0.59	162.56	-1,018.10	813.89	795.16	18.73	43.453		
3,600.00	3,580.76	3,582.18	3,585.44	10.21	8.95	0.59	162.24	-1,017.36	795.73	776.42	19.31	41.202		
3,700.00	3,679.24	3,676.92	3,680.18	10.58	9.13	0.58	161.90	-1,017.08	778.02	758.12	19.89	39.108		
3,800.00	3,777.72	3,774.99	3,778.25	10.96	9.31	0.57	161.64	-1,017.08	760.61	740.13	20.48	37.142		
3,900.00	3,876.20	3,873.76	3,877.03	11.35	9.51	0.58	161.50	-1,017.00	743.15	722.08	21.08	35.259		
4,000.00	3,974.68	3,970.43	3,973.69	11.74	9.70	0.59	161.48	-1,016.98	725.77	704.10	21.67	33.490		
4,100.00	4,073.16	4,065.77	4,069.03	12.13	9.86	0.59	161.45	-1,017.32	708.75	686.49	22.25	31.850		
4,200.00	4,171.64	4,162.98	4,166.24	12.53	10.01	0.59	161.39	-1,018.05	692.11	669.27	22.84	30.309		
4,300.00	4,270.13	4,261.79	4,265.04	12.93	10.18	0.57	161.06	-1,018.88	675.51	652.08	23.43	28.833		
4,400.00	4,368.61	4,360.82	4,364.07	13.34	10.35	0.53	160.59	-1,019.68	658.86	634.83	24.03	27.416		
4,500.00	4,467.09	4,459.76	4,463.00	13.75	10.53	0.47	159.79	-1,020.47	642.15	617.50	24.65	26.056		
4,600.00	4,565.57	4,557.22	4,560.46	14.16	10.71	0.40	159.11	-1,021.25	625.46	600.19	25.26	24.757		
4,700.00	4,664.05	4,655.00	4,658.23	14.58	10.90	0.35	158.61	-1,022.25	609.01	583.12	25.89	23.523		
4,800.00	4,762.53	4,753.54	4,756.77	15.00	11.10	0.27	157.85	-1,023.32	592.59	566.07	26.52	22.344		
4,900.00	4,861.01	4,852.71	4,855.93	15.42	11.30	0.17	156.88	-1,024.44	576.17	549.02	27.16	21.216		
5,000.00	4,959.49	4,951.82	4,955.02	15.84	11.50	0.04	155.71	-1,025.43	559.61	531.81	27.80	20.131		
5,100.00	5,057.97	5,050.25	5,053.43	16.26	11.70	-0.11	154.43	-1,026.44	543.05	514.61	28.44	19.092		
5,200.00	5,156.46	5,149.48	5,152.65	16.69	11.92	-0.28	153.06	-1,027.46	526.50	497.40	29.09	18.098		
5,300.00	5,254.94	5,249.05	5,252.20	17.11	12.14	-0.49	151.39	-1,028.31	509.73	479.99	29.74	17.140		
5,400.00	5,353.42	5,347.56	5,350.69	17.54	12.37	-0.73	149.62	-1,029.08	492.88	462.49	30.39	16.217		
5,500.00	5,451.90	5,446.03	5,449.15	17.97	12.61	-0.97	147.94	-1,029.90	476.11	445.06	31.05	15.335		
5,600.00	5,550.38	5,543.95	5,547.04	18.40	12.85	-1.28	145.88	-1,030.75	459.32	427.62	31.71	14.487		
5,624.17	5,574.18	5,567.30	5,570.39	18.50	12.90	-1.36	145.38	-1,030.99	455.31	423.45	31.86	14.291		
5,700.00	5,648.95	5,641.33	5,644.40	18.82	13.09	-1.62	143.81	-1,031.91	443.37	411.01	32.35	13.705		
5,800.00	5,747.78	5,739.92	5,742.95	19.24	13.34	-1.97	141.70	-1,033.23	429.24	396.24	33.00	13.006		
5,900.00	5,846.87	5,839.37	5,842.37	19.65	13.60	-2.34	139.65	-1,034.61	416.92	383.28	33.64	12.393		
6,000.00	5,946.18	5,939.65	5,942.62	20.05	13.87	-2.74	137.36	-1,035.82	406.15	371.89	34.26	11.854		
6,100.00	6,045.68	6,039.44	6,042.37	20.44	14.14	-3.18	134.87	-1,036.90	396.99	362.12	34.87	11.385		
6,200.00	6,145.33	6,139.61	6,142.50	20.81	14.42	-3.64	132.27	-1,037.98	389.57	354.11	35.46	10.987		
6,300.00	6,245.12	6,240.89	6,243.75	21.17	14.70	-4.05	130.00	-1,038.71	383.60	347.58	36.01	10.652		
6,400.00	6,345.00	6,342.64	6,345.48	21.50	14.97	-4.43	127.80	-1,039.04	378.98	342.45	36.53	10.373		
6,500.00	6,444.96	6,445.31	6,448.12	21.80	15.25	-4.83	125.37	-1,038.72	375.48	338.48	37.01	10.147		
6,600.00	6,544.95	6,545.59	6,548.34	22.04	15.52	-5.35	122.04	-1,037.87	373.14	335.72	37.42	9.972		
6,624.05	6,569.00	6,569.04	6,571.78	22.06	15.59	-86.84	121.33	-1,037.72	372.89	335.41	37.48	9.948		
6,700.00	6,644.95	6,643.23	6,645.94	22.08	15.80	-87.14	119.36	-1,037.45	372.51	334.88	37.63	9.899		
6,745.29	6,690.24	6,687.54	6,690.24	22.10	15.92	-87.32	118.22	-1,037.45	372.45	334.73	37.72	9.874 CC		
6,800.00	6,744.95	6,741.92	6,744.60	22.11	16.08	-87.53	116.85	-1,037.55	372.49	334.66	37.83	9.847		
6,900.00	6,844.95	6,842.18	6,844.84	22.15	16.37	-87.89	114.54	-1,037.73	372.58	334.56	38.02	9.799		
7,000.00	6,944.95	6,942.51	6,945.14	22.19	16.66	-88.23	112.32	-1,037.76	372.54	334.32	38.22	9.748		
7,057.50	7,002.45	6,999.84	7,002.45	22.21	16.83	-88.44	110.93	-1,037.78	372.52	334.19	38.33	9.719		
7,100.00	7,044.95	7,041.72	7,044.31	22.22	16.95	-88.61	109.84	-1,037.85	372.56	334.14	38.42	9.698 ES		
7,200.00	7,144.95	7,140.63	7,143.19	22.26	17.19	-89.03	107.13	-1,038.24	372.90	334.31	38.59	9.663		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM 3H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-r.5 SDI_KPR_ADK, 7080-r.5 MWD													Offset Well Error: 3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,300.00	7,244.95	7,239.75	7,242.28	22.30	17.38	-89.35	105.04	-1,038.85	373.48	334.73	38.75	9.638 SF	
7,400.00	7,344.95	7,337.27	7,339.79	22.33	17.43	-89.60	103.42	-1,039.91	374.55	335.72	38.84	9.644	
7,500.00	7,444.95	7,437.51	7,440.00	22.37	17.47	-89.83	101.94	-1,041.26	375.89	336.98	38.91	9.661	
7,600.00	7,544.95	7,537.27	7,539.75	22.41	17.52	-90.06	100.40	-1,042.60	377.24	338.26	38.98	9.677	
7,700.00	7,644.95	7,634.45	7,636.87	22.44	17.58	-90.50	97.49	-1,044.03	378.73	339.67	39.06	9.696	
7,800.00	7,744.95	7,750.31	7,751.79	22.48	17.65	-92.49	84.31	-1,044.47	379.49	340.55	38.94	9.746	
7,878.33	7,823.27	7,824.41	7,823.27	22.51	17.71	-95.42	65.10	-1,041.59	377.88	338.98	38.89	9.716	
7,900.00	7,844.95	7,841.37	7,839.54	22.52	17.72	-96.15	60.29	-1,041.24	378.05	339.15	38.90	9.719	
8,000.00	7,944.95	7,919.33	7,913.01	22.56	17.80	-100.04	34.35	-1,040.70	382.47	343.64	38.83	9.850	
8,100.00	8,044.95	7,996.03	7,980.92	22.60	17.92	-105.15	-1.03	-1,041.53	394.89	356.37	38.52	10.251	
8,200.00	8,144.95	8,058.00	8,029.07	22.64	18.03	-110.59	-39.85	-1,039.81	416.40	378.48	37.92	10.980	
8,300.00	8,244.95	8,105.03	8,060.63	22.67	18.11	-115.25	-74.60	-1,037.38	450.67	413.62	37.06	12.162	
8,400.00	8,344.95	8,146.80	8,085.46	22.71	18.17	-119.48	-108.08	-1,034.88	497.48	461.40	36.08	13.790	
8,500.00	8,444.95	8,184.00	8,105.38	22.75	18.22	-123.24	-139.34	-1,031.83	554.30	519.14	35.16	15.766	
8,600.00	8,544.95	8,216.00	8,120.42	22.79	18.27	-126.44	-167.39	-1,028.61	619.73	585.33	34.40	18.017	
8,700.00	8,644.95	8,226.14	8,124.70	22.83	18.28	-127.44	-176.52	-1,027.55	691.89	658.09	33.80	20.471	
8,800.00	8,744.95	8,248.00	8,133.12	22.87	18.32	-129.56	-196.56	-1,025.31	769.60	736.22	33.38	23.056	
8,900.00	8,844.95	8,248.00	8,133.12	22.91	18.32	-129.56	-196.56	-1,025.31	851.26	818.19	33.08	25.736	
9,000.00	8,944.95	8,274.00	8,141.82	22.95	18.36	-131.99	-220.93	-1,022.79	936.08	903.15	32.93	28.430	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 701H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference													Rule Assigned:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	11.00	0.00	3.00	-33.15	522.80	-341.50	624.55				
100.00	100.00	91.56	102.55	0.77	3.00	-33.21	522.29	-341.93	624.27	619.47	4.80	130.091	
200.00	200.00	191.69	202.66	1.44	3.00	-33.39	521.05	-343.40	624.04	618.92	5.12	121.870	
300.00	300.00	294.11	305.07	1.88	3.01	-33.55	519.50	-344.54	623.39	617.96	5.43	114.876	
400.00	400.00	397.45	408.39	2.25	3.03	-33.66	517.69	-344.79	622.05	616.33	5.72	108.718	
500.00	500.00	496.59	507.51	2.56	3.05	-33.79	515.96	-345.28	620.88	614.87	6.01	103.365	
600.00	600.00	591.06	601.96	2.84	3.07	-33.97	514.45	-346.58	620.31	614.03	6.28	98.791	
620.32	620.32	609.42	620.32	2.90	3.08	-34.00	514.22	-346.84	620.26	613.93	6.33	97.970	
700.00	700.00	687.02	697.90	3.10	3.10	-34.15	513.58	-348.35	620.58	614.04	6.54	94.898	
800.00	800.00	784.38	795.23	3.34	3.13	-34.38	512.61	-350.67	621.10	614.30	6.79	91.442	
900.00	900.00	881.54	892.32	3.57	3.17	-34.69	511.45	-354.03	622.07	615.03	7.04	88.385	
1,000.00	1,000.00	1,005.44	1,016.13	3.79	3.22	-35.08	508.69	-357.31	621.85	614.56	7.28	85.379	
1,100.00	1,100.00	1,102.80	1,113.45	3.99	3.26	-35.26	505.59	-357.50	619.36	611.84	7.53	82.297	
1,200.00	1,200.00	1,203.73	1,214.32	4.19	3.31	-35.48	502.17	-357.94	616.85	609.09	7.76	79.440	
1,285.57	1,285.57	1,275.00	1,285.56	4.35	3.33	-35.57	500.70	-358.06	615.55	607.59	7.96	77.295	
1,300.00	1,300.00	1,288.46	1,299.02	4.38	3.33	-35.57	500.73	-358.04	615.57	607.57	8.00	76.983	
1,400.00	1,400.00	1,389.36	1,399.92	4.56	3.33	-35.55	500.93	-358.00	615.71	607.49	8.22	74.920	
1,500.00	1,500.00	1,490.81	1,501.37	4.74	3.38	-35.59	500.59	-358.20	615.55	607.10	8.44	72.904	
1,600.00	1,600.00	1,596.66	1,607.19	4.91	3.38	-35.39	501.32	-356.11	614.97	606.30	8.67	70.964	
1,700.00	1,700.00	1,695.58	1,706.05	5.08	3.38	-35.06	502.62	-352.72	614.06	605.18	8.88	69.121	
1,800.00	1,800.00	1,795.03	1,805.44	5.24	3.38	-34.76	503.90	-349.67	613.37	604.27	9.10	67.415	
1,900.00	1,900.00	1,893.37	1,903.74	5.40	3.38	-34.53	504.75	-347.28	612.69	603.38	9.31	65.804	
2,000.00	2,000.00	2,003.33	2,013.66	5.56	3.40	-34.28	505.21	-344.35	611.55	602.03	9.52	64.209	
2,100.00	2,099.98	2,132.41	2,142.30	5.79	3.43	48.12	504.87	-334.24	605.80	596.03	9.77	62.007	
2,200.00	2,199.84	2,233.84	2,242.98	6.01	3.47	49.64	504.54	-321.95	595.51	585.50	10.00	59.526	
2,300.00	2,299.45	2,344.67	2,352.67	6.26	3.51	51.87	503.67	-306.11	581.89	571.65	10.23	56.855	
2,400.00	2,398.70	2,446.67	2,453.21	6.52	3.56	54.56	501.79	-289.07	564.78	554.31	10.47	53.964	
2,499.94	2,497.41	2,532.43	2,538.11	6.80	3.60	57.01	499.57	-277.18	547.35	536.64	10.71	51.128	
2,600.00	2,595.95	2,619.62	2,624.71	7.04	3.65	59.28	497.92	-267.32	531.65	520.73	10.91	48.711	
2,700.00	2,694.43	2,711.24	2,715.85	7.29	3.70	61.73	497.25	-257.86	518.43	507.32	11.12	46.633	
2,800.00	2,792.91	2,808.21	2,812.32	7.56	3.75	64.42	496.67	-248.04	506.56	495.24	11.31	44.773	
2,900.00	2,891.39	2,903.32	2,906.77	7.84	3.81	67.35	496.32	-236.88	495.71	484.21	11.50	43.098	
3,000.00	2,989.87	2,999.22	3,001.90	8.15	3.87	70.53	496.56	-224.76	486.73	475.05	11.68	41.678	
3,100.00	3,088.35	3,094.64	3,096.50	8.46	3.93	73.83	496.71	-212.35	479.26	467.42	11.85	40.453	
3,200.00	3,186.83	3,193.14	3,194.23	8.79	4.00	77.27	496.59	-200.02	473.36	461.35	12.01	39.410	
3,300.00	3,285.31	3,297.58	3,297.79	9.13	4.08	81.02	494.83	-186.62	467.72	455.54	12.17	38.417	
3,400.00	3,383.80	3,391.37	3,390.73	9.48	4.15	84.50	492.63	-174.29	463.34	450.99	12.35	37.518	
3,500.00	3,482.28	3,488.10	3,486.65	9.84	4.23	88.09	490.36	-161.90	460.89	448.35	12.54	36.758	
3,562.21	3,543.54	3,545.71	3,543.81	10.07	4.28	90.20	489.13	-154.88	460.42	447.75	12.67	36.350 CC, ES	
3,600.00	3,580.76	3,582.65	3,580.49	10.21	4.31	91.52	488.39	-150.58	460.50	447.75	12.75	36.121	
3,700.00	3,679.24	3,678.28	3,675.46	10.58	4.39	94.94	486.52	-139.50	461.99	449.00	12.99	35.570	
3,800.00	3,777.72	3,772.44	3,768.96	10.96	4.47	98.28	484.76	-128.55	465.34	452.08	13.26	35.091	
3,900.00	3,876.20	3,864.14	3,860.05	11.35	4.55	101.44	483.74	-117.97	471.10	457.53	13.57	34.721	
4,000.00	3,974.68	3,959.72	3,954.95	11.74	4.63	104.66	483.21	-106.66	479.10	465.18	13.92	34.406	
4,100.00	4,073.16	4,056.71	4,051.24	12.13	4.72	107.85	482.31	-95.02	488.45	474.11	14.33	34.078	
4,200.00	4,171.64	4,155.80	4,149.67	12.53	4.81	110.94	481.20	-83.68	498.88	484.09	14.79	33.728	
4,300.00	4,270.13	4,251.96	4,245.24	12.93	4.90	113.78	480.02	-73.14	510.36	495.08	15.28	33.401	
4,400.00	4,368.61	4,351.58	4,344.39	13.34	5.00	116.48	478.82	-63.49	522.38	506.57	15.81	33.042	
4,500.00	4,467.09	4,448.46	4,440.85	13.75	5.09	118.95	477.66	-54.59	535.19	518.84	16.36	32.717	
4,600.00	4,565.57	4,546.91	4,538.90	14.16	5.19	121.31	476.53	-45.80	548.86	531.92	16.94	32.400	
4,700.00	4,664.05	4,642.02	4,633.61	14.58	5.28	123.51	475.34	-37.15	563.44	545.90	17.53	32.135	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 701H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
4,800.00	4,762.53	4,739.82	4,731.03	15.00	5.38	125.63	474.19	-28.57	578.67	560.52	18.16	31.871	
4,900.00	4,861.01	4,834.34	4,825.18	15.42	5.47	127.56	473.28	-20.29	594.80	576.02	18.78	31.674	
5,000.00	4,959.49	4,925.78	4,916.09	15.84	5.57	129.47	471.85	-10.64	612.52	593.10	19.42	31.546	
5,100.00	5,057.97	5,024.89	5,014.62	16.26	5.67	131.45	470.09	-0.08	630.92	610.81	20.11	31.369	
5,200.00	5,156.46	5,122.84	5,112.02	16.69	5.78	133.30	468.04	10.03	649.57	628.76	20.81	31.213	
5,300.00	5,254.94	5,224.00	5,212.68	17.11	5.88	135.09	465.84	19.88	668.33	646.79	21.53	31.039	
5,400.00	5,353.42	5,312.93	5,301.23	17.54	5.98	136.53	464.02	27.85	687.14	664.97	22.18	30.986	
5,500.00	5,451.90	5,382.52	5,370.28	17.97	6.05	137.62	464.09	36.53	710.09	687.40	22.69	31.292	
5,600.00	5,550.38	5,479.24	5,466.15	18.40	6.16	139.05	464.53	49.24	734.48	711.09	23.39	31.399	
5,624.17	5,574.18	5,502.85	5,489.57	18.50	6.18	139.38	464.63	52.33	740.42	716.87	23.55	31.438	
5,700.00	5,648.95	5,579.15	5,565.25	18.82	6.27	140.50	465.11	61.96	758.60	734.52	24.08	31.503	
5,800.00	5,747.78	5,666.30	5,651.48	19.24	6.36	141.83	463.94	74.52	782.30	757.60	24.70	31.672	
5,900.00	5,846.87	5,768.69	5,752.72	19.65	6.48	143.27	461.72	89.66	805.01	779.60	25.42	31.673	
6,000.00	5,946.18	5,873.19	5,856.15	20.05	6.60	144.56	459.06	104.35	825.89	799.77	26.12	31.619	
6,100.00	6,045.68	5,980.31	5,962.29	20.44	6.72	145.70	456.19	118.48	844.82	818.01	26.81	31.513	
6,200.00	6,145.33	6,089.66	6,070.86	20.81	6.85	146.69	453.06	131.15	860.99	833.52	27.47	31.339	
6,300.00	6,245.12	6,195.03	6,175.60	21.17	6.97	147.50	450.05	142.23	874.92	846.85	28.07	31.167	
6,400.00	6,345.00	6,300.00	6,280.09	21.50	7.09	148.16	447.25	151.79	886.25	857.63	28.62	30.964	
6,500.00	6,444.96	6,375.00	6,354.69	21.80	7.17	148.58	445.67	159.39	897.39	868.46	28.93	31.021	
6,600.00	6,544.95	6,464.41	6,443.30	22.04	7.28	149.07	443.92	171.15	909.83	880.56	29.27	31.087	
6,624.05	6,569.00	6,495.09	6,473.74	22.06	7.31	67.83	443.29	174.99	912.49	883.12	29.37	31.069	
6,700.00	6,644.95	6,595.03	6,573.05	22.08	7.43	68.23	440.82	185.83	919.44	889.79	29.65	31.006	
6,800.00	6,744.95	6,717.18	6,694.83	22.11	7.57	68.55	438.79	195.03	925.79	895.86	29.94	30.926 SF	
6,900.00	6,844.95	6,785.46	6,762.93	22.15	7.65	68.68	438.52	199.89	932.47	902.58	29.89	31.195	
7,000.00	6,944.95	6,894.71	6,871.74	22.19	7.77	68.81	440.01	209.55	941.25	911.18	30.08	31.297	
7,100.00	7,044.95	6,961.68	6,938.39	22.22	7.84	68.86	441.50	215.77	950.73	920.72	30.01	31.681	
7,200.00	7,144.95	7,095.40	7,071.43	22.26	7.99	68.93	445.30	228.57	960.87	930.55	30.32	31.692	
7,300.00	7,244.95	7,163.87	7,139.64	22.30	8.06	68.95	446.97	234.21	969.65	939.39	30.27	32.037	
7,400.00	7,344.95	7,278.61	7,253.69	22.33	8.19	69.07	449.64	246.53	980.63	950.15	30.48	32.171	
7,500.00	7,444.95	7,375.00	7,349.63	22.37	8.29	69.08	452.68	255.21	990.17	959.59	30.58	32.379	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference													
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 Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	10.00	0.00	3.00	-35.40	522.60	-371.40	641.21				
100.00	100.00	91.03	101.03	0.77	3.00	-35.44	522.28	-371.73	641.06	636.26	4.80	133.589	
200.00	200.00	191.55	201.55	1.44	3.00	-35.55	521.45	-372.57	640.87	635.75	5.12	125.158	
300.00	300.00	292.99	302.97	1.88	3.02	-35.68	520.30	-373.60	640.54	635.12	5.43	118.046	
400.00	400.00	394.27	404.24	2.25	3.03	-35.80	518.95	-374.33	639.88	634.16	5.72	111.879	
500.00	500.00	493.96	503.92	2.56	3.05	-35.94	517.56	-375.15	639.23	633.23	6.00	106.510	
600.00	600.00	591.85	601.79	2.84	3.08	-36.07	516.27	-376.03	638.69	632.42	6.27	101.800	
644.02	644.02	634.08	644.02	2.96	3.09	-36.14	515.76	-376.60	638.62	632.23	6.39	99.971	
700.00	700.00	687.53	697.45	3.10	3.11	-36.24	515.22	-377.58	638.77	632.24	6.54	97.738	
800.00	800.00	786.09	795.99	3.34	3.14	-36.43	514.33	-379.60	639.26	632.47	6.79	94.161	
900.00	900.00	893.58	903.47	3.57	3.15	-36.42	514.50	-379.63	639.41	632.37	7.04	90.865	
1,000.00	1,000.00	991.86	1,001.72	3.79	3.14	-36.22	515.47	-377.57	638.96	631.68	7.28	87.768	
1,100.00	1,100.00	1,091.97	1,101.82	3.99	3.14	-36.06	516.32	-375.93	638.68	631.17	7.52	84.949	
1,200.00	1,200.00	1,191.27	1,201.11	4.19	3.14	-35.98	516.73	-375.15	638.55	630.80	7.75	82.377	
1,295.15	1,295.15	1,285.31	1,295.15	4.37	3.14	-35.94	516.83	-374.63	638.33	630.36	7.97	80.085	
1,300.00	1,300.00	1,289.83	1,299.67	4.38	3.14	-35.94	516.84	-374.62	638.33	630.35	7.98	79.975	
1,400.00	1,400.00	1,384.72	1,394.56	4.56	3.16	-35.96	517.13	-375.10	638.87	630.67	8.20	77.892	
1,500.00	1,500.00	1,485.15	1,494.98	4.74	3.19	-36.06	517.13	-376.55	639.72	631.30	8.42	75.958	
1,600.00	1,600.00	1,585.25	1,595.06	4.91	3.21	-35.97	518.28	-376.20	640.44	631.80	8.64	74.128	
1,700.00	1,700.00	1,683.79	1,693.57	5.08	3.22	-35.78	520.25	-374.98	641.33	632.48	8.85	72.430	
1,800.00	1,800.00	1,783.43	1,793.20	5.24	3.24	-35.68	521.74	-374.60	642.32	633.25	9.07	70.834	
1,900.00	1,900.00	1,879.28	1,889.05	5.40	3.27	-35.65	522.95	-375.09	643.65	634.37	9.28	69.360	
2,000.00	2,000.00	1,978.31	1,988.05	5.56	3.31	-35.65	524.40	-376.14	645.46	635.97	9.49	67.993	
2,100.00	2,099.98	2,106.78	2,116.36	5.79	3.34	46.36	527.13	-371.70	644.01	634.26	9.74	66.105	
2,200.00	2,199.84	2,205.36	2,214.58	6.01	3.37	47.51	529.85	-363.71	638.10	628.13	9.97	64.000	
2,300.00	2,299.45	2,324.06	2,332.65	6.26	3.41	49.38	532.53	-351.97	628.80	618.60	10.20	61.657	
2,400.00	2,398.70	2,432.40	2,439.94	6.52	3.44	51.78	533.71	-336.98	614.70	604.27	10.43	58.963	
2,499.94	2,497.41	2,518.91	2,525.75	6.80	3.48	53.97	534.03	-326.08	599.32	588.66	10.66	56.215	
2,600.00	2,595.95	2,605.59	2,612.10	7.04	3.51	55.84	534.38	-318.48	585.55	574.68	10.87	53.876	
2,700.00	2,694.43	2,698.17	2,704.42	7.29	3.56	57.82	535.37	-311.69	573.77	562.70	11.08	51.799	
2,800.00	2,792.91	2,792.98	2,799.00	7.56	3.60	59.89	536.65	-305.25	563.26	551.98	11.29	49.906	
2,900.00	2,891.39	2,887.73	2,893.54	7.84	3.66	62.01	538.27	-299.11	554.01	542.52	11.49	48.198	
3,000.00	2,989.87	2,984.79	2,990.41	8.15	3.71	64.21	540.02	-293.32	545.87	534.17	11.70	46.659	
3,100.00	3,088.35	3,083.92	3,089.37	8.46	3.77	66.47	541.58	-287.73	538.44	526.54	11.90	45.255	
3,200.00	3,186.83	3,180.65	3,185.97	8.79	3.84	68.65	542.98	-283.01	531.93	519.84	12.09	43.986	
3,300.00	3,285.31	3,278.84	3,284.07	9.13	3.90	70.85	544.07	-278.78	526.04	513.76	12.28	42.825	
3,400.00	3,383.80	3,375.73	3,380.87	9.48	3.97	73.06	545.25	-274.74	521.09	508.62	12.47	41.788	
3,500.00	3,482.28	3,474.78	3,479.83	9.84	4.04	75.31	546.24	-270.93	516.79	504.14	12.65	40.846	
3,600.00	3,580.76	3,573.19	3,578.20	10.21	4.12	77.51	547.06	-267.83	513.20	500.36	12.84	39.983	
3,700.00	3,679.24	3,671.70	3,676.67	10.58	4.20	79.67	547.74	-265.28	510.28	497.26	13.02	39.189	
3,800.00	3,777.72	3,769.21	3,774.15	10.96	4.28	81.81	548.56	-262.91	508.26	495.05	13.21	38.473	
3,900.00	3,876.20	3,865.42	3,870.32	11.35	4.36	83.94	549.35	-260.59	506.97	493.57	13.41	37.814	
3,986.01	3,960.90	3,949.67	3,954.55	11.68	4.43	85.80	550.31	-258.63	506.73	493.14	13.59	37.301 CC	
4,000.00	3,974.68	3,963.39	3,968.26	11.74	4.44	86.10	550.46	-258.34	506.73	493.12	13.61	37.219 ES	
4,100.00	4,073.16	4,061.94	4,066.79	12.13	4.53	88.24	551.49	-256.35	507.13	493.30	13.84	36.651	
4,200.00	4,171.64	4,161.27	4,166.10	12.53	4.62	90.34	552.46	-254.76	508.11	494.04	14.08	36.097	
4,300.00	4,270.13	4,261.70	4,266.52	12.93	4.71	92.39	553.14	-253.84	509.38	495.04	14.34	35.528	
4,400.00	4,368.61	4,363.00	4,367.82	13.34	4.80	94.40	553.50	-253.47	510.85	496.23	14.62	34.946	
4,500.00	4,467.09	4,460.93	4,465.75	13.75	4.88	96.31	553.49	-253.35	512.53	497.62	14.91	34.382	
4,600.00	4,565.57	4,558.28	4,563.10	14.16	4.95	98.18	553.73	-253.24	515.03	499.79	15.23	33.806	
4,700.00	4,664.05	4,661.13	4,665.95	14.58	4.97	100.08	554.01	-253.67	517.95	502.38	15.57	33.262	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP													Offset Site Error:	0.00 usft
Survey Program:		100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR							Rule Assigned:				Offset Well Error:	3.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
4,800.00	4,762.53	4,758.37	4,763.18	15.00	4.97	101.86	553.94	-254.20	521.06	505.14	15.91	32.742		
4,900.00	4,861.01	4,859.66	4,864.48	15.42	4.98	103.67	553.95	-254.92	524.69	508.40	16.29	32.213		
5,000.00	4,959.49	4,957.06	4,961.87	15.84	4.98	105.39	553.74	-255.66	528.60	511.93	16.67	31.701		
5,100.00	5,057.97	5,059.64	5,064.44	16.26	4.99	107.15	553.34	-256.72	532.74	515.64	17.09	31.165		
5,200.00	5,156.46	5,157.70	5,162.50	16.69	4.99	108.81	552.68	-257.84	537.04	519.52	17.53	30.637		
5,300.00	5,254.94	5,250.00	5,254.79	17.11	5.00	110.37	552.02	-258.73	541.89	523.91	17.98	30.145		
5,400.00	5,353.42	5,334.85	5,339.61	17.54	5.07	111.94	552.74	-256.93	549.98	531.51	18.47	29.784		
5,500.00	5,451.90	5,430.93	5,435.64	17.97	5.16	113.70	554.10	-254.15	559.55	540.53	19.03	29.411		
5,600.00	5,550.38	5,521.64	5,526.28	18.40	5.24	115.33	555.64	-251.17	570.15	550.56	19.59	29.108		
5,624.17	5,574.18	5,544.54	5,549.16	18.50	5.26	115.74	556.16	-250.20	573.03	553.32	19.72	29.061		
5,700.00	5,648.95	5,616.89	5,621.42	18.82	5.33	117.06	557.92	-247.07	582.17	562.01	20.16	28.882		
5,800.00	5,747.78	5,718.41	5,722.82	19.24	5.42	118.69	560.44	-242.70	593.94	573.18	20.77	28.603		
5,900.00	5,846.87	5,817.92	5,822.23	19.65	5.52	120.10	562.34	-238.58	604.68	583.34	21.34	28.331		
6,000.00	5,946.18	5,923.38	5,927.60	20.05	5.62	121.38	563.97	-234.66	614.30	592.37	21.92	28.020		
6,100.00	6,045.68	6,025.12	6,029.27	20.44	5.72	122.43	564.87	-231.33	622.41	599.95	22.46	27.717		
6,200.00	6,145.33	6,127.83	6,131.95	20.81	5.82	123.29	565.50	-228.56	629.15	606.20	22.96	27.408		
6,300.00	6,245.12	6,228.31	6,232.40	21.17	5.92	123.97	565.91	-226.13	634.70	611.30	23.40	27.119		
6,400.00	6,345.00	6,328.92	6,332.99	21.50	6.02	124.46	566.54	-224.19	639.16	615.36	23.81	26.849		
6,500.00	6,444.96	6,430.04	6,434.09	21.80	6.12	124.77	567.50	-222.41	642.79	618.64	24.16	26.609		
6,600.00	6,544.95	6,525.00	6,529.03	22.04	6.22	124.86	569.01	-221.39	645.43	621.04	24.39	26.458		
6,624.05	6,569.00	6,544.94	6,548.96	22.06	6.24	124.86	569.42	-221.08	646.09	621.68	24.40	26.475		
6,700.00	6,644.95	6,616.67	6,620.64	22.08	6.31	124.86	571.29	-219.21	648.88	624.41	24.46	26.525		
6,800.00	6,744.95	6,717.42	6,721.32	22.11	6.41	124.86	574.11	-216.64	652.66	628.08	24.59	26.546		
6,900.00	6,844.95	6,821.32	6,825.16	22.15	6.52	124.86	576.91	-214.50	656.04	631.32	24.72	26.538		
7,000.00	6,944.95	6,916.07	6,919.86	22.19	6.62	124.86	579.36	-212.55	659.33	634.52	24.81	26.572		
7,100.00	7,044.95	7,005.57	7,009.26	22.22	6.71	124.86	582.37	-209.47	664.12	639.23	24.89	26.682		
7,200.00	7,144.95	7,111.24	7,114.80	22.26	6.82	124.86	586.31	-206.32	668.87	643.83	25.04	26.716		
7,300.00	7,244.95	7,213.32	7,216.79	22.30	6.93	124.86	590.03	-204.09	673.01	647.86	25.16	26.754		
7,400.00	7,344.95	7,311.95	7,315.31	22.33	7.03	124.86	594.23	-202.15	677.46	652.21	25.25	26.830		
7,500.00	7,444.95	7,409.08	7,412.34	22.37	7.13	124.86	598.03	-199.96	681.86	656.52	25.35	26.900		
7,600.00	7,544.95	7,510.96	7,514.11	22.41	7.24	124.86	601.43	-196.55	686.58	661.09	25.49	26.934		
7,700.00	7,644.95	7,618.46	7,621.52	22.44	7.36	124.86	604.70	-193.90	690.49	664.84	25.65	26.919		
7,800.00	7,744.95	7,713.82	7,716.81	22.48	7.46	124.86	606.09	-190.60	693.94	668.15	25.79	26.911		
7,900.00	7,844.95	7,822.38	7,825.17	22.52	7.57	124.86	605.75	-184.12	697.85	671.83	26.03	26.812		
8,000.00	7,944.95	7,931.04	7,933.67	22.56	7.67	124.86	603.75	-178.74	699.95	673.69	26.26	26.650		
8,100.00	8,044.95	8,040.37	8,042.84	22.60	7.75	124.86	600.45	-173.73	700.99	674.49	26.51	26.446		
8,200.00	8,144.95	8,147.40	8,149.67	22.64	7.82	124.86	595.70	-169.27	700.78	674.04	26.74	26.205		
8,292.55	8,237.49	8,235.36	8,237.49	22.67	7.87	124.86	591.75	-166.14	700.21	673.32	26.90	26.033		
8,300.00	8,244.95	8,240.56	8,242.68	22.67	7.88	124.86	591.56	-165.94	700.23	673.32	26.90	26.030		
8,400.00	8,344.95	8,326.52	8,328.55	22.71	7.96	124.86	590.11	-162.20	702.07	675.05	27.02	25.983		
8,500.00	8,444.95	8,423.99	8,425.94	22.75	8.05	124.86	589.41	-158.39	704.38	677.20	27.18	25.912		
8,600.00	8,544.95	8,521.84	8,523.72	22.79	8.16	124.86	589.61	-154.83	707.16	679.82	27.34	25.865		
8,700.00	8,644.95	8,622.12	8,623.87	22.83	8.27	124.86	590.14	-149.87	711.11	683.59	27.52	25.839		
8,800.00	8,744.95	8,722.08	8,723.71	22.87	8.36	124.86	589.20	-145.03	713.98	686.28	27.70	25.774		
8,900.00	8,844.95	8,810.53	8,812.04	22.91	8.42	124.86	589.33	-140.56	717.77	689.97	27.80	25.815		
9,000.00	8,944.95	8,927.97	8,929.38	22.95	8.45	124.86	589.95	-135.84	721.07	693.08	27.99	25.762		
9,100.00	9,044.95	9,041.18	9,042.57	22.99	8.49	124.86	589.33	-133.37	722.31	694.14	28.16	25.647		
9,200.00	9,144.95	9,249.33	9,244.92	23.04	8.61	50.31	553.08	-120.45	715.21	685.84	29.36	24.356		
9,300.00	9,244.95	9,596.64	9,517.76	23.08	9.14	66.95	346.59	-87.76	684.48	650.71	33.77	20.269		
9,400.00	9,344.95	9,660.27	9,557.98	23.12	9.29	71.26	297.34	-86.24	647.64	613.38	34.27	18.900		
9,500.00	9,444.95	9,696.00	9,578.73	23.16	9.38	73.93	268.38	-83.55	620.11	585.78	34.33	18.064		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP												Offset Site Error:	0.00 usft
Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR												Offset Well Error:	3.00 usft
Reference												Rule Assigned:	
Offset												Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,600.00	9,544.95	9,733.92	9,598.93	23.20	9.49	76.96	236.66	-78.79	604.55	570.18	34.38	17.586	
9,683.05	9,628.00	9,799.52	9,629.14	23.24	9.71	82.50	179.21	-69.45	601.09	566.28	34.81	17.269 SF	
9,700.00	9,644.95	9,804.97	9,631.31	23.24	9.74	82.98	174.26	-68.76	601.30	566.51	34.79	17.284	
9,800.00	9,744.95	9,847.06	9,646.24	23.29	9.89	86.72	135.22	-63.95	610.47	575.70	34.77	17.557	
9,900.00	9,844.95	9,880.31	9,655.74	23.33	10.03	89.74	103.52	-60.78	633.54	598.83	34.71	18.254	
10,000.00	9,944.95	9,904.58	9,661.67	23.37	10.13	91.96	80.07	-58.84	669.77	635.07	34.70	19.299	
10,100.00	10,044.95	9,925.44	9,666.40	23.41	10.21	93.86	59.81	-57.30	717.47	682.63	34.83	20.597	
10,200.00	10,144.95	9,932.00	9,667.83	23.46	10.24	94.45	53.42	-56.84	774.75	739.68	35.07	22.094	
10,300.00	10,244.95	9,950.51	9,671.51	23.50	10.32	96.13	35.32	-55.57	839.64	804.22	35.43	23.701	
10,329.59	10,274.54	9,953.30	9,672.02	23.50	10.33	96.38	32.59	-55.38	860.12	824.81	35.30	24.365	
10,350.00	10,294.94	9,954.93	9,672.31	23.50	10.34	94.15	30.99	-55.27	874.56	839.18	35.38	24.719	
10,375.00	10,319.88	9,956.28	9,672.55	23.51	10.35	91.15	29.66	-55.18	892.62	857.14	35.48	25.158	
10,400.00	10,344.69	9,956.95	9,672.67	23.51	10.35	87.95	29.01	-55.13	911.03	875.45	35.58	25.605	
10,425.00	10,369.31	9,956.97	9,672.67	23.51	10.35	84.58	28.98	-55.13	929.71	894.03	35.68	26.056	
10,450.00	10,393.67	9,956.39	9,672.57	23.51	10.35	81.09	29.56	-55.17	948.60	912.82	35.78	26.511	
10,475.00	10,417.71	9,955.23	9,672.37	23.52	10.34	77.52	30.69	-55.25	967.64	931.76	35.88	26.968	
10,500.00	10,441.35	9,953.54	9,672.06	23.52	10.34	73.92	32.36	-55.37	986.76	950.78	35.98	27.427	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 703H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-Standard Keeper 104, 9164-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	11.00	0.00	3.00	-37.54	522.40	-401.40	658.90				
100.00	100.00	93.02	104.01	0.77	3.00	-37.58	521.87	-401.63	658.53	653.73	4.80	137.230	
200.00	200.00	193.85	204.84	1.44	3.00	-37.70	520.33	-402.20	657.67	652.55	5.12	128.412	
300.00	300.00	293.24	304.22	1.88	3.02	-37.81	519.01	-402.77	656.97	651.54	5.43	121.012	
400.00	400.00	394.36	405.32	2.25	3.03	-37.93	517.61	-403.46	656.30	650.57	5.72	114.666	
500.00	500.00	497.73	508.67	2.56	3.05	-38.06	515.74	-403.83	655.09	649.08	6.01	109.012	
600.00	600.00	597.55	608.47	2.84	3.08	-38.18	513.84	-404.10	653.76	647.47	6.29	103.986	
700.00	700.00	690.12	701.03	3.10	3.11	-38.31	512.34	-404.77	652.94	646.39	6.55	99.636	
706.43	706.43	695.52	706.43	3.12	3.11	-38.32	512.27	-404.85	652.93	646.37	6.57	99.392	
800.00	800.00	781.79	792.68	3.34	3.14	-38.48	511.46	-406.57	653.41	646.60	6.80	96.034	
900.00	900.00	876.01	886.85	3.57	3.16	-38.69	511.32	-409.54	655.25	648.20	7.04	93.016	
1,000.00	1,000.00	977.42	988.20	3.79	3.19	-38.96	510.83	-413.12	657.08	649.80	7.28	90.226	
1,100.00	1,100.00	1,077.28	1,087.98	3.99	3.23	-39.28	509.97	-417.13	658.95	651.43	7.52	87.663	
1,200.00	1,200.00	1,175.98	1,186.57	4.19	3.28	-39.64	508.82	-421.47	660.85	653.10	7.75	85.300	
1,300.00	1,300.00	1,275.49	1,285.96	4.38	3.32	-40.01	507.60	-426.15	662.92	654.95	7.97	83.129	
1,400.00	1,400.00	1,383.41	1,393.77	4.56	3.38	-40.38	506.29	-430.64	664.69	656.49	8.20	81.049	
1,500.00	1,500.00	1,480.70	1,491.03	4.74	3.44	-40.61	505.31	-433.30	665.70	657.28	8.42	79.045	
1,600.00	1,600.00	1,578.62	1,588.90	4.91	3.50	-40.84	504.77	-436.30	667.29	658.65	8.64	77.231	
1,700.00	1,700.00	1,682.82	1,693.07	5.08	3.54	-40.94	505.10	-438.19	668.72	659.86	8.86	75.482	
1,800.00	1,800.00	1,781.28	1,791.52	5.24	3.56	-40.92	506.12	-438.70	669.84	660.77	9.08	73.800	
1,900.00	1,900.00	1,875.49	1,885.73	5.40	3.60	-40.95	507.05	-440.04	671.52	662.23	9.29	72.273	
2,000.00	2,000.00	1,976.33	1,986.53	5.56	3.66	-41.05	507.96	-442.30	673.67	664.16	9.51	70.852	
2,100.00	2,099.98	2,090.23	2,100.43	5.79	3.70	-40.43	508.58	-443.23	673.29	663.51	9.77	68.884	
2,200.00	2,199.84	2,193.09	2,203.27	6.01	3.68	-40.90	509.23	-442.04	669.04	659.02	10.02	66.802	
2,300.00	2,299.45	2,308.85	2,318.98	6.26	3.66	-41.83	509.62	-438.67	660.88	650.62	10.26	64.401	
2,400.00	2,398.70	2,423.56	2,433.46	6.52	3.66	-43.28	508.91	-431.66	647.50	636.99	10.51	61.599	
2,499.94	2,497.41	2,508.28	2,517.97	6.80	3.66	-44.71	508.20	-425.76	631.34	620.57	10.78	58.579	
2,600.00	2,595.95	2,587.47	2,597.14	7.04	3.66	-45.75	508.35	-424.13	617.80	606.79	11.01	56.108	
2,700.00	2,694.43	2,685.68	2,695.35	7.29	3.66	-47.01	508.86	-423.18	605.58	594.33	11.25	53.810	
2,800.00	2,792.91	2,784.30	2,793.96	7.56	3.67	-48.32	509.32	-422.29	593.68	582.17	11.51	51.600	
2,900.00	2,891.39	2,880.86	2,890.52	7.84	3.68	-49.64	509.64	-421.58	582.06	570.30	11.76	49.486	
3,000.00	2,989.87	2,979.66	2,989.32	8.15	3.69	-51.04	510.15	-420.93	570.98	558.96	12.02	47.498	
3,100.00	3,088.35	3,077.90	3,087.55	8.46	3.71	-52.49	510.66	-420.30	560.26	547.98	12.28	45.627	
3,200.00	3,186.83	3,176.31	3,185.96	8.79	3.74	-53.98	511.22	-419.79	550.01	537.48	12.53	43.879	
3,300.00	3,285.31	3,274.06	3,283.71	9.13	3.77	-55.51	511.71	-419.33	540.13	527.34	12.79	42.244	
3,400.00	3,383.80	3,372.17	3,381.81	9.48	3.80	-57.09	512.16	-418.97	530.65	517.62	13.03	40.725	
3,500.00	3,482.28	3,471.34	3,480.98	9.84	3.84	-58.76	512.67	-418.51	521.61	508.35	13.26	39.324	
3,600.00	3,580.76	3,569.52	3,579.16	10.21	3.88	-60.43	512.99	-418.23	512.92	499.43	13.49	38.020	
3,700.00	3,679.24	3,668.16	3,677.80	10.58	3.93	-62.15	513.31	-418.16	504.76	491.05	13.71	36.820	
3,800.00	3,777.72	3,765.74	3,775.38	10.96	3.99	-63.88	513.64	-418.28	497.15	483.23	13.92	35.716	
3,900.00	3,876.20	3,862.96	3,872.59	11.35	4.04	-65.63	514.13	-418.66	490.25	476.13	14.12	34.717	
4,000.00	3,974.68	3,960.25	3,969.89	11.74	4.10	-67.41	514.85	-419.30	484.14	469.82	14.31	33.823	
4,100.00	4,073.16	4,059.10	4,068.72	12.13	4.17	-69.24	515.71	-420.06	478.68	464.18	14.50	33.023	
4,200.00	4,171.64	4,157.75	4,167.37	12.53	4.23	-71.08	516.31	-421.08	473.51	458.84	14.67	32.283	
4,300.00	4,270.13	4,257.29	4,266.90	12.93	4.30	-72.94	516.87	-422.40	468.87	454.03	14.83	31.611	
4,400.00	4,368.61	4,357.15	4,366.75	13.34	4.37	-74.83	517.18	-423.72	464.46	449.48	14.99	30.988	
4,500.00	4,467.09	4,456.71	4,466.31	13.75	4.44	-76.79	517.45	-424.73	460.52	445.38	15.14	30.419	
4,600.00	4,565.57	4,556.46	4,566.04	14.16	4.51	-78.75	517.34	-425.96	456.76	441.48	15.29	29.880	
4,700.00	4,664.05	4,650.00	4,659.57	14.58	4.58	-80.55	517.24	-427.66	453.58	438.14	15.44	29.368	
4,800.00	4,762.53	4,745.55	4,755.01	15.00	4.65	-82.11	518.77	-431.83	452.54	436.92	15.62	28.964	
4,900.00	4,861.01	4,845.73	4,855.07	15.42	4.73	-83.72	520.41	-436.34	451.90	436.10	15.81	28.588	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		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)			
5,000.00	4,959.49	4,945.10	4,954.35	15.84	4.82	85.34	521.92	-440.70	451.52	435.52	16.00	28.222	
5,100.00	5,057.97	5,047.94	5,057.07	16.26	4.90	87.00	522.91	-445.45	450.92	434.72	16.20	27.836	
5,200.00	5,156.46	5,148.09	5,157.11	16.69	4.99	88.62	523.44	-450.14	450.25	433.84	16.41	27.433	
5,300.00	5,254.94	5,249.31	5,258.22	17.11	5.07	90.28	523.60	-454.69	449.61	432.96	16.64	27.017	
5,400.00	5,353.42	5,349.37	5,358.20	17.54	5.16	91.99	523.33	-458.85	448.97	432.09	16.89	26.584	
5,500.00	5,451.90	5,449.50	5,458.25	17.97	5.25	93.74	522.88	-462.70	448.64	431.48	17.16	26.143	
5,515.00	5,466.67	5,463.34	5,472.08	18.04	5.26	93.98	522.81	-463.23	448.62	431.41	17.20	26.077	
5,600.00	5,550.38	5,548.02	5,556.70	18.40	5.33	95.47	522.43	-466.46	448.72	431.26	17.46	25.700	
5,624.17	5,574.18	5,572.70	5,581.36	18.50	5.35	95.91	522.28	-467.36	448.77	431.25	17.52	25.612	
5,700.00	5,648.95	5,648.82	5,657.43	18.82	5.42	97.22	521.66	-470.05	448.93	431.17	17.76	25.284	
5,800.00	5,747.78	5,748.77	5,757.31	19.24	5.51	98.75	520.63	-473.53	449.06	430.97	18.09	24.824	
5,900.00	5,846.87	5,850.03	5,858.51	19.65	5.59	100.11	519.32	-476.96	448.99	430.57	18.43	24.367	
6,000.00	5,946.18	5,949.87	5,958.28	20.05	5.68	101.26	517.78	-480.13	448.66	429.91	18.76	23.922	
6,100.00	6,045.68	6,049.79	6,058.14	20.44	5.76	102.21	516.12	-483.20	448.07	429.00	19.07	23.494	
6,200.00	6,145.33	6,150.00	6,158.29	20.81	5.85	102.95	514.31	-486.26	447.08	427.71	19.37	23.083	
6,300.00	6,245.12	6,248.57	6,256.81	21.17	5.93	103.49	512.48	-489.10	445.78	426.15	19.64	22.702	
6,400.00	6,345.00	6,348.71	6,356.89	21.50	6.02	103.84	510.61	-491.86	444.14	424.26	19.88	22.344	
6,500.00	6,444.96	6,444.18	6,452.27	21.80	6.12	103.72	510.29	-495.87	442.94	422.91	20.03	22.110	
6,600.00	6,544.95	6,544.36	6,552.36	22.04	6.22	103.36	510.29	-500.13	441.63	421.48	20.15	21.915	
6,624.05	6,569.00	6,568.48	6,576.46	22.06	6.24	103.86	510.26	-501.15	441.24	421.08	20.16	21.890	
6,700.00	6,644.95	6,646.61	6,654.52	22.08	6.33	104.47	509.99	-504.44	439.82	419.62	20.19	21.783	
6,798.90	6,743.84	6,736.02	6,743.85	22.11	6.42	104.03	509.68	-508.19	438.06	417.83	20.23	21.658	
6,800.00	6,744.95	6,736.75	6,744.57	22.11	6.42	104.03	509.69	-508.22	438.06	417.83	20.23	21.658	
6,900.00	6,844.95	6,828.66	6,836.28	22.15	6.51	104.25	513.44	-513.18	439.91	419.68	20.23	21.744	
7,000.00	6,944.95	6,933.94	6,941.34	22.19	6.62	104.39	517.12	-518.83	441.38	421.11	20.27	21.774	
7,100.00	7,044.95	7,038.46	7,045.68	22.22	6.73	104.61	519.46	-524.46	441.74	421.42	20.32	21.736	
7,200.00	7,144.95	7,142.14	7,149.15	22.26	6.84	104.76	520.74	-530.90	440.97	420.59	20.38	21.643	
7,300.00	7,244.95	7,244.12	7,250.88	22.30	6.95	104.83	521.91	-538.04	439.99	419.56	20.42	21.542	
7,400.00	7,344.95	7,346.86	7,353.38	22.33	7.06	104.94	522.05	-545.06	438.18	417.70	20.49	21.388	
7,500.00	7,444.95	7,446.60	7,452.91	22.37	7.17	105.13	521.99	-551.55	436.38	415.82	20.56	21.227	
7,600.00	7,544.95	7,544.02	7,550.17	22.41	7.28	105.43	521.88	-557.04	434.83	414.19	20.64	21.069	
7,635.00	7,579.95	7,575.00	7,581.10	22.42	7.31	105.41	522.06	-558.69	434.57	413.91	20.67	21.029	
7,700.00	7,644.95	7,622.88	7,628.89	22.44	7.36	105.86	523.76	-561.04	435.94	415.22	20.72	21.044	
7,800.00	7,744.95	7,722.64	7,728.45	22.48	7.46	106.13	528.56	-565.12	439.67	418.85	20.81	21.124	
7,900.00	7,844.95	7,819.85	7,825.48	22.52	7.55	106.65	533.49	-568.31	443.88	422.96	20.92	21.216	
8,000.00	7,944.95	7,922.55	7,928.01	22.56	7.65	107.14	538.51	-571.27	448.04	427.00	21.03	21.300	
8,100.00	8,044.95	8,024.33	8,029.68	22.60	7.74	107.72	542.64	-573.75	451.51	430.35	21.15	21.346	
8,200.00	8,144.95	8,127.66	8,132.90	22.64	7.85	108.28	546.51	-576.53	454.64	433.37	21.27	21.373	
8,300.00	8,244.95	8,231.24	8,236.41	22.67	7.95	108.88	549.31	-579.20	456.80	435.40	21.40	21.350	
8,400.00	8,344.95	8,333.19	8,338.31	22.71	8.07	109.53	551.30	-581.67	458.26	436.74	21.52	21.294	
8,500.00	8,444.95	8,432.42	8,437.50	22.75	8.17	110.22	553.26	-583.85	459.81	438.16	21.65	21.238	
8,600.00	8,544.95	8,534.57	8,539.60	22.79	8.29	110.91	555.22	-585.97	461.34	439.56	21.78	21.182	
8,700.00	8,644.95	8,642.31	8,647.32	22.83	8.41	111.64	555.87	-588.11	461.59	439.68	21.91	21.068	
8,800.00	8,744.95	8,744.45	8,749.45	22.87	8.52	112.45	555.33	-589.73	460.81	438.77	22.04	20.911	
8,900.00	8,844.95	8,846.81	8,851.78	22.91	8.62	113.34	554.46	-591.63	459.67	437.51	22.16	20.740	
9,000.00	8,944.95	8,947.15	8,952.10	22.95	8.72	114.33	553.43	-593.87	458.31	436.02	22.29	20.560	
9,100.00	9,044.95	9,048.49	9,053.39	22.99	8.80	115.43	552.06	-596.49	456.57	434.15	22.41	20.370	
9,200.00	9,144.95	9,149.51	9,154.36	23.04	8.85	116.65	550.49	-599.39	454.61	432.08	22.53	20.180	
9,300.00	9,244.95	9,254.30	9,259.50	23.08	9.16	118.00	392.21	-690.63	402.54	373.98	28.56	14.092	
9,400.00	9,344.95	9,357.84	9,363.37	23.12	9.32	119.48	335.26	-719.44	333.15	303.86	29.28	11.377	
9,500.00	9,444.95	9,452.46	9,457.67	23.16	9.47	121.07	288.16	-740.20	265.58	235.87	29.71	8.939	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,600.00	9,544.95	9,787.99	9,659.30	23.20	9.63	-32.88	243.46	-757.62	204.78	174.33	30.44	6.726	
9,700.00	9,644.95	9,865.01	9,709.79	23.24	9.85	-51.71	188.45	-776.42	155.60	122.75	32.85	4.737	
9,800.00	9,744.95	9,929.03	9,747.12	23.29	10.07	-73.27	138.56	-791.02	131.19	95.52	35.68	3.677	
9,804.45	9,749.40	9,931.35	9,748.38	23.29	10.07	-74.13	136.68	-791.57	131.18	95.40	35.77	3.667 CC, ES, SF	
9,900.00	9,844.95	9,974.07	9,769.86	23.33	10.23	-89.79	101.30	-802.09	155.95	119.08	36.88	4.229	
10,000.00	9,944.95	10,007.19	9,784.34	23.37	10.37	-100.84	72.91	-811.09	218.62	181.52	37.11	5.892	
10,100.00	10,044.95	10,032.24	9,793.95	23.41	10.47	-108.05	50.96	-818.37	298.13	260.76	37.37	7.977	
10,200.00	10,144.95	10,051.01	9,800.20	23.46	10.55	-112.80	34.16	-823.91	385.25	347.52	37.73	10.210	
10,300.00	10,244.95	10,063.00	9,803.76	23.50	10.61	-115.56	23.27	-827.47	476.37	438.22	38.15	12.488	
10,329.59	10,274.54	10,063.00	9,803.76	23.50	10.61	-115.56	23.27	-827.47	503.90	465.44	38.46	13.103	
10,350.00	10,294.94	10,063.00	9,803.76	23.50	10.61	-109.28	23.27	-827.47	523.07	484.53	38.55	13.570	
10,375.00	10,319.88	10,063.00	9,803.76	23.51	10.61	-100.52	23.27	-827.47	546.81	508.17	38.64	14.151	
10,400.00	10,344.69	10,063.00	9,803.76	23.51	10.61	-90.76	23.27	-827.47	570.72	532.00	38.72	14.739	
10,425.00	10,369.31	10,077.26	9,807.56	23.51	10.67	-85.34	10.18	-831.66	594.34	555.66	38.68	15.366	
10,450.00	10,393.67	10,077.67	9,807.66	23.51	10.67	-75.30	9.81	-831.78	618.34	579.61	38.73	15.964	
10,475.00	10,417.71	10,077.52	9,807.62	23.52	10.67	-65.60	9.94	-831.74	642.34	603.56	38.78	16.562	
10,500.00	10,441.35	10,063.00	9,803.76	23.52	10.61	-53.02	23.27	-827.47	666.61	627.69	38.92	17.128	
10,525.00	10,464.54	10,063.00	9,803.76	23.52	10.61	-46.14	23.27	-827.47	690.33	651.39	38.94	17.727	
10,550.00	10,487.20	10,063.00	9,803.76	23.52	10.61	-40.42	23.27	-827.47	713.86	674.91	38.96	18.325	
10,575.00	10,509.28	10,063.00	9,803.76	23.53	10.61	-35.68	23.27	-827.47	737.15	698.19	38.96	18.920	
10,600.00	10,530.72	10,063.00	9,803.76	23.53	10.61	-31.77	23.27	-827.47	760.16	721.20	38.96	19.513	
10,625.00	10,551.46	10,063.00	9,803.76	23.53	10.61	-28.51	23.27	-827.47	782.85	743.91	38.94	20.104	
10,650.00	10,571.43	10,063.00	9,803.76	23.54	10.61	-25.78	23.27	-827.47	805.19	766.28	38.92	20.690	
10,675.00	10,590.60	10,063.00	9,803.76	23.54	10.61	-23.48	23.27	-827.47	827.16	788.28	38.88	21.274	
10,700.00	10,608.89	10,063.00	9,803.76	23.55	10.61	-21.53	23.27	-827.47	848.72	809.88	38.84	21.854	
10,725.00	10,626.27	10,063.00	9,803.76	23.56	10.61	-19.85	23.27	-827.47	869.84	831.06	38.78	22.429	
10,750.00	10,642.69	10,063.00	9,803.76	23.57	10.61	-18.41	23.27	-827.47	890.50	851.79	38.72	23.001	
10,775.00	10,658.10	10,046.48	9,798.77	23.58	10.53	-16.29	38.24	-822.57	910.19	871.44	38.75	23.488	
10,800.00	10,672.45	10,042.33	9,797.41	23.59	10.52	-15.08	41.97	-821.34	929.59	890.90	38.70	24.023	
10,825.00	10,685.72	10,037.99	9,795.95	23.60	10.50	-14.03	45.84	-820.06	948.40	909.77	38.63	24.550	
10,850.00	10,697.86	10,033.50	9,794.39	23.61	10.48	-13.11	49.84	-818.74	966.58	928.02	38.56	25.068	
10,875.00	10,708.84	10,016.00	9,787.87	23.63	10.40	-11.84	65.25	-813.62	984.40	945.83	38.56	25.527	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	13.50	0.00	3.00	-25.27	722.80	-341.20	799.40				
100.00	100.00	86.50	100.00	0.77	3.00	-25.27	722.80	-341.20	799.29	794.49	4.80	166.555	
200.00	200.00	186.50	200.00	1.44	3.00	-25.27	722.80	-341.20	799.29	794.16	5.12	156.003	
300.00	300.00	286.50	300.00	1.88	3.01	-25.27	722.80	-341.20	799.29	793.85	5.44	147.047	
400.00	400.00	386.50	400.00	2.25	3.03	-25.27	722.80	-341.20	799.29	793.55	5.74	139.317	
500.00	500.00	486.50	500.00	2.56	3.05	-25.27	722.80	-341.20	799.29	793.26	6.03	132.551	
600.00	600.00	586.50	600.00	2.84	3.08	-25.27	722.80	-341.20	799.29	792.97	6.32	126.561	
700.00	700.00	686.50	700.00	3.10	3.11	-25.27	722.80	-341.20	799.29	792.69	6.59	121.206	
800.00	800.00	786.50	800.00	3.34	3.15	-25.27	722.80	-341.20	799.29	792.42	6.87	116.380	
900.00	900.00	886.50	900.00	3.57	3.19	-25.27	722.80	-341.20	799.29	792.15	7.14	112.000	
1,000.00	1,000.00	986.50	1,000.00	3.79	3.24	-25.27	722.80	-341.20	799.29	791.88	7.40	108.001	
1,100.00	1,100.00	1,086.50	1,100.00	3.99	3.29	-25.27	722.80	-341.20	799.29	791.62	7.66	104.329	
1,200.00	1,200.00	1,186.50	1,200.00	4.19	3.35	-25.27	722.80	-341.20	799.29	791.37	7.92	100.942	
1,300.00	1,300.00	1,286.50	1,300.00	4.38	3.41	-25.27	722.80	-341.20	799.29	791.11	8.17	97.806	
1,400.00	1,400.00	1,386.50	1,400.00	4.56	3.47	-25.27	722.80	-341.20	799.29	790.86	8.42	94.889	
1,500.00	1,500.00	1,486.50	1,500.00	4.74	3.54	-25.27	722.80	-341.20	799.29	790.61	8.67	92.169	
1,600.00	1,600.00	1,586.50	1,600.00	4.91	3.61	-25.27	722.80	-341.20	799.29	790.37	8.92	89.623	
1,700.00	1,700.00	1,686.50	1,700.00	5.08	3.69	-25.27	722.80	-341.20	799.29	790.12	9.16	87.235	
1,800.00	1,800.00	1,786.50	1,800.00	5.24	3.76	-25.27	722.80	-341.20	799.29	789.88	9.40	84.987	
1,900.00	1,900.00	1,886.50	1,900.00	5.40	3.84	-25.27	722.80	-341.20	799.29	789.64	9.65	82.868	
2,000.00	2,000.00	1,986.50	2,000.00	5.56	3.93	-25.27	722.80	-341.20	799.29	789.40	9.88	80.866	
2,100.00	2,099.98	2,086.48	2,099.98	5.79	4.01	56.24	722.80	-341.20	798.31	788.17	10.14	78.726	
2,200.00	2,199.84	2,186.34	2,199.84	6.01	4.10	56.60	722.80	-341.20	795.42	785.03	10.39	76.573	
2,300.00	2,299.45	2,285.95	2,299.45	6.26	4.19	57.20	722.80	-341.20	790.64	780.00	10.64	74.296	
2,400.00	2,398.70	2,385.20	2,398.70	6.52	4.29	58.06	722.80	-341.20	784.08	773.18	10.90	71.913	
2,499.94	2,497.41	2,483.91	2,497.41	6.80	4.38	59.17	722.80	-341.20	775.87	764.70	11.17	69.452	
2,600.00	2,595.95	2,591.38	2,604.87	7.04	4.45	60.48	722.80	-339.74	766.53	755.13	11.40	67.249	
2,700.00	2,694.43	2,698.96	2,712.30	7.29	4.49	62.09	722.80	-334.29	756.28	744.70	11.59	65.258	
2,800.00	2,792.91	2,800.16	2,813.15	7.56	4.52	63.89	722.80	-325.93	745.58	733.80	11.78	63.280	
2,900.00	2,891.39	2,896.77	2,909.40	7.84	4.56	65.69	722.80	-317.51	735.49	723.51	11.98	61.398	
3,000.00	2,989.87	2,993.38	3,005.64	8.15	4.60	67.53	722.80	-309.09	726.17	714.00	12.18	59.637	
3,100.00	3,088.35	3,089.99	3,101.88	8.46	4.64	69.41	722.80	-300.67	717.67	705.29	12.37	58.001	
3,200.00	3,186.83	3,186.60	3,198.12	8.79	4.69	71.33	722.80	-292.25	709.99	697.43	12.57	56.487	
3,300.00	3,285.31	3,283.21	3,294.37	9.13	4.74	73.29	722.80	-283.83	703.19	690.42	12.76	55.094	
3,400.00	3,383.80	3,379.82	3,390.61	9.48	4.79	75.29	722.80	-275.41	697.27	684.31	12.96	53.816	
3,500.00	3,482.28	3,476.43	3,486.85	9.84	4.85	77.31	722.80	-266.99	692.27	679.12	13.15	52.646	
3,600.00	3,580.76	3,573.04	3,583.09	10.21	4.90	79.36	722.80	-258.57	688.20	674.85	13.34	51.575	
3,700.00	3,679.24	3,669.65	3,679.34	10.58	4.96	81.42	722.80	-250.15	685.08	671.53	13.54	50.595	
3,800.00	3,777.72	3,766.26	3,775.58	10.96	5.03	83.51	722.80	-241.73	682.92	669.17	13.74	49.693	
3,900.00	3,876.20	3,862.87	3,871.82	11.35	5.09	85.60	722.80	-233.31	681.73	667.78	13.95	48.860	
3,971.62	3,946.73	3,932.06	3,940.75	11.63	5.14	87.10	722.80	-227.28	681.48	667.37	14.11	48.300 CC	
4,000.00	3,974.68	3,959.48	3,968.06	11.74	5.16	87.70	722.80	-224.89	681.52	667.34	14.17	48.085 ES	
4,100.00	4,073.16	4,056.09	4,064.31	12.13	5.23	89.79	722.80	-216.47	682.28	667.88	14.41	47.358	
4,200.00	4,171.64	4,152.70	4,160.55	12.53	5.30	91.88	722.80	-208.04	684.02	669.37	14.66	46.668	
4,300.00	4,270.13	4,249.31	4,256.79	12.93	5.38	93.95	722.80	-199.62	686.73	671.80	14.93	46.007	
4,400.00	4,368.61	4,345.92	4,353.03	13.34	5.45	96.01	722.80	-191.20	690.39	675.17	15.22	45.368	
4,500.00	4,467.09	4,442.53	4,449.28	13.75	5.53	98.05	722.80	-182.78	695.00	679.46	15.53	44.745	
4,600.00	4,565.57	4,539.14	4,545.52	14.16	5.61	100.05	722.80	-174.36	700.52	684.65	15.87	44.134	
4,700.00	4,664.05	4,635.75	4,641.76	14.58	5.70	102.03	722.80	-165.94	706.94	690.71	16.24	43.533	
4,800.00	4,762.53	4,732.36	4,738.00	15.00	5.78	103.97	722.80	-157.52	714.25	697.61	16.63	42.941	
4,900.00	4,861.01	4,828.98	4,834.25	15.42	5.86	105.87	722.80	-149.10	722.40	705.34	17.05	42.358	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	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 (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
5,000.00	4,959.49	4,925.59	4,930.49	15.84	5.95	107.73	722.80	-140.68	731.37	713.86	17.50	41.785	
5,100.00	5,057.97	5,022.20	5,026.73	16.26	6.04	109.54	722.80	-132.26	741.13	723.15	17.98	41.225	
5,200.00	5,156.46	5,118.81	5,122.97	16.69	6.13	111.31	722.80	-123.84	751.65	733.17	18.48	40.680	
5,300.00	5,254.94	5,215.42	5,219.22	17.11	6.22	113.03	722.80	-115.42	762.90	743.90	19.00	40.151	
5,400.00	5,353.42	5,312.03	5,315.46	17.54	6.31	114.70	722.80	-107.00	774.85	755.30	19.55	39.641	
5,500.00	5,451.90	5,408.64	5,411.70	17.97	6.40	116.32	722.80	-98.58	787.46	767.35	20.11	39.152	
5,600.00	5,550.38	5,505.25	5,507.94	18.40	6.50	117.90	722.80	-90.16	800.71	780.01	20.70	38.686	
5,624.17	5,574.18	5,528.60	5,531.21	18.50	6.52	118.27	722.80	-88.13	804.00	783.17	20.83	38.600	
5,700.00	5,648.95	5,601.98	5,604.31	18.82	6.59	119.48	722.80	-81.73	814.32	793.05	21.27	38.291	
5,800.00	5,747.78	5,699.14	5,701.10	19.24	6.69	120.95	722.80	-73.26	827.61	805.76	21.85	37.877	
5,900.00	5,846.87	5,796.69	5,798.27	19.65	6.79	122.28	722.80	-64.76	840.44	818.03	22.42	37.489	
6,000.00	5,946.18	5,894.60	5,895.82	20.05	6.89	123.47	722.80	-56.23	852.70	829.73	22.97	37.124	
6,100.00	6,045.68	5,992.86	5,993.70	20.44	6.99	124.53	722.80	-47.66	864.27	840.77	23.50	36.779	
6,200.00	6,145.33	6,091.43	6,091.89	20.81	7.09	125.47	722.80	-39.07	875.08	851.08	24.01	36.454	
6,300.00	6,245.12	6,190.27	6,190.36	21.17	7.20	126.30	722.80	-30.46	885.05	860.57	24.48	36.147	
6,400.00	6,345.00	6,289.36	6,289.08	21.50	7.30	127.01	722.80	-21.82	894.13	869.19	24.93	35.861	
6,500.00	6,444.96	6,388.67	6,388.01	21.80	7.41	127.61	722.80	-13.17	902.25	876.91	25.34	35.600	
6,600.00	6,544.95	6,488.17	6,487.13	22.04	7.51	128.11	722.80	-4.50	909.38	883.68	25.70	35.386	
6,624.05	6,569.00	6,512.13	6,511.00	22.06	7.54	46.83	722.80	-2.41	910.94	885.19	25.75	35.375	
6,700.00	6,644.95	6,587.79	6,586.36	22.08	7.62	47.11	722.80	4.19	915.78	889.89	25.89	35.366	
6,800.00	6,744.95	6,687.41	6,685.61	22.11	7.73	47.48	722.80	12.87	922.20	896.10	26.10	35.337	
6,900.00	6,844.95	6,787.02	6,784.85	22.15	7.84	47.84	722.80	21.55	928.65	902.35	26.30	35.310	
7,000.00	6,944.95	6,886.64	6,884.09	22.19	7.95	48.20	722.80	30.23	935.14	908.64	26.50	35.287	
7,100.00	7,044.95	6,986.26	6,983.33	22.22	8.06	48.55	722.80	38.92	941.67	914.97	26.70	35.265	
7,200.00	7,144.95	7,085.88	7,082.57	22.26	8.17	48.90	722.80	47.60	948.23	921.33	26.90	35.247	
7,300.00	7,244.95	7,185.50	7,181.81	22.30	8.28	49.24	722.80	56.28	954.83	927.72	27.10	35.230	
7,400.00	7,344.95	7,285.12	7,281.05	22.33	8.39	49.58	722.80	64.96	961.46	934.15	27.30	35.216	
7,500.00	7,444.95	7,384.74	7,380.29	22.37	8.50	49.92	722.80	73.65	968.12	940.62	27.50	35.204	
7,600.00	7,544.95	7,484.36	7,479.53	22.41	8.62	50.24	722.80	82.33	974.81	947.11	27.70	35.194	
7,700.00	7,644.95	7,583.98	7,578.77	22.44	8.73	50.57	722.80	91.01	981.54	953.64	27.90	35.185	
7,800.00	7,744.95	7,683.60	7,678.01	22.48	8.84	50.89	722.80	99.69	988.30	960.20	28.09	35.179	
7,900.00	7,844.95	7,783.22	7,777.25	22.52	8.96	51.21	722.80	108.38	995.09	966.80	28.29	35.174 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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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:													
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	13.60	0.00	3.00	-27.18	722.60	-371.10	812.44				
100.00	100.00	86.40	100.00	0.77	3.00	-27.18	722.60	-371.10	812.32	807.52	4.80	169.271	
200.00	200.00	186.40	200.00	1.44	3.00	-27.18	722.60	-371.10	812.32	807.20	5.12	158.550	
300.00	300.00	286.40	300.00	1.88	3.01	-27.18	722.60	-371.10	812.32	806.89	5.44	149.454	
400.00	400.00	386.40	400.00	2.25	3.03	-27.18	722.60	-371.10	812.32	806.58	5.74	141.605	
500.00	500.00	486.40	500.00	2.56	3.05	-27.18	722.60	-371.10	812.32	806.29	6.03	134.737	
600.00	600.00	586.40	600.00	2.84	3.08	-27.18	722.60	-371.10	812.32	806.01	6.31	128.656	
700.00	700.00	686.40	700.00	3.10	3.11	-27.18	722.60	-371.10	812.32	805.73	6.59	123.222	
800.00	800.00	786.40	800.00	3.34	3.15	-27.18	722.60	-371.10	812.32	805.46	6.87	118.324	
900.00	900.00	886.40	900.00	3.57	3.19	-27.18	722.60	-371.10	812.32	805.19	7.13	113.880	
1,000.00	1,000.00	986.40	1,000.00	3.79	3.24	-27.18	722.60	-371.10	812.32	804.92	7.40	109.822	
1,100.00	1,100.00	1,086.40	1,100.00	3.99	3.29	-27.18	722.60	-371.10	812.32	804.66	7.66	106.096	
1,200.00	1,200.00	1,186.40	1,200.00	4.19	3.35	-27.18	722.60	-371.10	812.32	804.41	7.91	102.660	
1,300.00	1,300.00	1,286.40	1,300.00	4.38	3.41	-27.18	722.60	-371.10	812.32	804.16	8.17	99.478	
1,400.00	1,400.00	1,386.40	1,400.00	4.56	3.47	-27.18	722.60	-371.10	812.32	803.91	8.42	96.519	
1,500.00	1,500.00	1,486.40	1,500.00	4.74	3.54	-27.18	722.60	-371.10	812.32	803.66	8.66	93.759	
1,600.00	1,600.00	1,586.40	1,600.00	4.91	3.61	-27.18	722.60	-371.10	812.32	803.41	8.91	91.176	
1,700.00	1,700.00	1,686.40	1,700.00	5.08	3.69	-27.18	722.60	-371.10	812.32	803.17	9.15	88.753	
1,800.00	1,800.00	1,786.40	1,800.00	5.24	3.76	-27.18	722.60	-371.10	812.32	802.93	9.39	86.473	
1,900.00	1,900.00	1,886.40	1,900.00	5.40	3.84	-27.18	722.60	-371.10	812.32	802.69	9.63	84.323	
2,000.00	2,000.00	1,986.40	2,000.00	5.56	3.93	-27.18	722.60	-371.10	812.32	802.45	9.87	82.291	
2,100.00	2,099.98	2,086.38	2,099.98	5.79	4.01	54.32	722.60	-371.10	811.30	801.17	10.13	80.089	
2,200.00	2,199.84	2,186.24	2,199.84	6.01	4.10	54.67	722.60	-371.10	808.26	797.88	10.38	77.867	
2,300.00	2,299.45	2,285.85	2,299.45	6.26	4.19	55.26	722.60	-371.10	803.24	792.61	10.64	75.511	
2,400.00	2,398.70	2,385.10	2,398.70	6.52	4.29	56.09	722.60	-371.10	796.33	785.43	10.90	73.037	
2,499.94	2,497.41	2,483.81	2,497.41	6.80	4.38	57.17	722.60	-371.10	787.66	776.48	11.18	70.475	
2,600.00	2,595.95	2,582.35	2,595.95	7.04	4.48	58.23	722.60	-371.10	778.28	766.84	11.43	68.080	
2,700.00	2,694.43	2,680.83	2,694.43	7.29	4.57	59.32	722.60	-371.10	769.18	757.48	11.69	65.776	
2,800.00	2,792.91	2,779.31	2,792.91	7.56	4.67	60.43	722.60	-371.10	760.36	748.40	11.96	63.565	
2,900.00	2,891.39	2,877.79	2,891.39	7.84	4.77	61.57	722.60	-371.10	751.85	739.61	12.23	61.454	
3,000.00	2,989.87	2,976.27	2,989.87	8.15	4.87	62.73	722.60	-371.10	743.64	731.13	12.51	59.449	
3,100.00	3,088.35	3,074.75	3,088.35	8.46	4.98	63.92	722.60	-371.10	735.75	722.96	12.78	57.551	
3,200.00	3,186.83	3,173.23	3,186.83	8.79	5.08	65.13	722.60	-371.10	728.19	715.13	13.06	55.759	
3,300.00	3,285.31	3,271.71	3,285.31	9.13	5.19	66.37	722.60	-371.10	720.96	707.63	13.33	54.073	
3,400.00	3,383.80	3,370.20	3,383.80	9.48	5.29	67.63	722.60	-371.10	714.09	700.49	13.60	52.490	
3,500.00	3,482.28	3,468.68	3,482.28	9.84	5.40	68.91	722.60	-371.10	707.58	693.70	13.87	51.006	
3,600.00	3,580.76	3,567.16	3,580.76	10.21	5.51	70.22	722.60	-371.10	701.43	687.30	14.14	49.618	
3,700.00	3,679.24	3,665.64	3,679.24	10.58	5.62	71.55	722.60	-371.10	695.67	681.27	14.40	48.320	
3,800.00	3,777.72	3,764.12	3,777.72	10.96	5.73	72.89	722.60	-371.10	690.29	675.64	14.65	47.108	
3,900.00	3,876.20	3,862.60	3,876.20	11.35	5.84	74.26	722.60	-371.10	685.31	670.41	14.91	45.977	
4,000.00	3,974.68	3,961.08	3,974.68	11.74	5.95	75.65	722.60	-371.10	680.74	665.59	15.15	44.922	
4,100.00	4,073.16	4,059.56	4,073.16	12.13	6.06	77.05	722.60	-371.10	676.58	661.18	15.40	43.937	
4,200.00	4,171.64	4,158.04	4,171.64	12.53	6.18	78.47	722.60	-371.10	672.85	657.21	15.64	43.017	
4,300.00	4,270.13	4,256.53	4,270.13	12.93	6.29	79.91	722.60	-371.10	669.54	653.66	15.88	42.158	
4,400.00	4,368.61	4,355.01	4,368.61	13.34	6.40	81.35	722.60	-371.10	666.67	650.55	16.12	41.353	
4,500.00	4,467.09	4,453.49	4,467.09	13.75	6.52	82.81	722.60	-371.10	664.25	647.88	16.36	40.598	
4,600.00	4,565.57	4,551.97	4,565.57	14.16	6.64	84.28	722.60	-371.10	662.26	645.66	16.60	39.888	
4,700.00	4,664.05	4,650.45	4,664.05	14.58	6.75	85.76	722.60	-371.10	660.73	643.89	16.85	39.217	
4,800.00	4,762.53	4,748.93	4,762.53	15.00	6.87	87.24	722.60	-371.10	659.66	642.56	17.10	38.582	
4,900.00	4,861.01	4,847.41	4,861.01	15.42	6.98	88.72	722.60	-371.10	659.03	641.68	17.35	37.977	
4,985.90	4,945.60	4,932.00	4,945.60	15.78	7.09	90.00	722.60	-371.10	658.87	641.29	17.58	37.479	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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						Rule Assigned:					Offset Well Error:	3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			No-Go Distance (usft)	
5,000.00	4,959.49	4,945.89	4,959.49	15.84	7.10	90.21	722.60	-371.10	658.87	641.25	17.62	37.399		
5,100.00	5,057.97	5,044.37	5,057.97	16.26	7.22	91.70	722.60	-371.10	659.16	641.27	17.89	36.844		
5,200.00	5,156.46	5,142.86	5,156.46	16.69	7.34	93.18	722.60	-371.10	659.91	641.74	18.18	36.308		
5,300.00	5,254.94	5,241.34	5,254.94	17.11	7.46	94.66	722.60	-371.10	661.12	642.65	18.47	35.788		
5,400.00	5,353.42	5,339.82	5,353.42	17.54	7.58	96.13	722.60	-371.10	662.78	643.99	18.78	35.282		
5,500.00	5,451.90	5,438.30	5,451.90	17.97	7.70	97.60	722.60	-371.10	664.88	645.77	19.11	34.788		
5,600.00	5,550.38	5,531.15	5,544.75	18.40	7.80	98.98	722.69	-370.96	667.59	648.15	19.44	34.337		
5,624.17	5,574.18	5,551.26	5,564.86	18.50	7.82	99.29	722.85	-370.72	668.54	649.04	19.51	34.275		
5,700.00	5,648.95	5,614.15	5,627.72	18.82	7.88	100.31	723.84	-369.19	672.47	652.74	19.74	34.073		
5,800.00	5,747.78	5,701.80	5,715.23	19.24	7.96	101.74	726.47	-365.14	679.81	659.74	20.07	33.875		
5,900.00	5,846.87	5,793.79	5,806.99	19.65	8.03	103.15	730.00	-359.72	688.48	668.07	20.41	33.730		
6,000.00	5,946.18	5,892.23	5,905.19	20.05	8.11	104.48	733.78	-353.91	697.17	676.40	20.77	33.565		
6,100.00	6,045.68	5,990.96	6,003.67	20.44	8.20	105.66	737.57	-348.08	705.72	684.60	21.12	33.407		
6,200.00	6,145.33	6,089.93	6,102.40	20.81	8.28	106.67	741.37	-342.24	714.03	692.56	21.47	33.260		
6,300.00	6,245.12	6,189.13	6,201.35	21.17	8.37	107.53	745.18	-336.39	721.99	700.20	21.80	33.123		
6,400.00	6,345.00	6,288.51	6,300.49	21.50	8.46	108.24	748.99	-330.53	729.55	707.44	22.11	33.000		
6,500.00	6,444.96	6,388.06	6,399.79	21.80	8.54	108.80	752.81	-324.66	736.63	714.23	22.39	32.894		
6,600.00	6,544.95	6,487.73	6,499.22	22.04	8.63	109.23	756.63	-318.77	743.19	720.54	22.65	32.812		
6,624.05	6,569.00	6,511.72	6,523.15	22.06	8.66	27.92	757.55	-317.36	744.69	722.00	22.69	32.822		
6,700.00	6,644.95	6,587.48	6,598.72	22.08	8.73	28.12	760.46	-312.89	749.37	726.55	22.82	32.840		
6,800.00	6,744.95	6,687.23	6,698.22	22.11	8.82	28.38	764.29	-307.00	755.55	732.54	23.01	32.841		
6,900.00	6,844.95	6,786.99	6,797.73	22.15	8.91	28.63	768.12	-301.12	761.74	738.54	23.19	32.843		
7,000.00	6,944.95	6,886.74	6,897.23	22.19	9.01	28.88	771.95	-295.23	767.94	744.56	23.38	32.845		
7,100.00	7,044.95	6,986.49	6,996.74	22.22	9.10	29.12	775.77	-289.35	774.16	750.59	23.57	32.847		
7,200.00	7,144.95	7,086.24	7,096.24	22.26	9.20	29.36	779.60	-283.46	780.40	756.64	23.76	32.850		
7,300.00	7,244.95	7,185.99	7,195.75	22.30	9.29	29.60	783.43	-277.58	786.64	762.70	23.94	32.853		
7,400.00	7,344.95	7,285.75	7,295.25	22.33	9.39	29.84	787.26	-271.69	792.91	768.77	24.13	32.856		
7,500.00	7,444.95	7,385.50	7,394.76	22.37	9.49	30.07	791.09	-265.81	799.18	774.86	24.32	32.860		
7,600.00	7,544.95	7,485.25	7,494.26	22.41	9.59	30.29	794.91	-259.92	805.47	780.96	24.51	32.864		
7,700.00	7,644.95	7,585.00	7,593.77	22.44	9.69	30.51	798.74	-254.04	811.76	787.07	24.70	32.868		
7,800.00	7,744.95	7,684.75	7,693.27	22.48	9.79	30.73	802.57	-248.15	818.08	793.19	24.89	32.872		
7,900.00	7,844.95	7,784.51	7,792.77	22.52	9.89	30.95	806.40	-242.27	824.40	799.32	25.08	32.877		
8,000.00	7,944.95	7,884.26	7,892.28	22.56	9.99	31.16	810.23	-236.38	830.73	805.47	25.26	32.882		
8,100.00	8,044.95	7,984.01	7,991.78	22.60	10.10	31.37	814.05	-230.50	837.08	811.62	25.45	32.887		
8,200.00	8,144.95	8,083.76	8,091.29	22.64	10.20	31.58	817.88	-224.61	843.43	817.79	25.64	32.892		
8,300.00	8,244.95	8,183.51	8,190.79	22.67	10.30	31.78	821.71	-218.72	849.80	823.97	25.83	32.898		
8,400.00	8,344.95	8,283.27	8,290.30	22.71	10.41	31.98	825.54	-212.84	856.18	830.16	26.02	32.903		
8,500.00	8,444.95	8,383.02	8,389.80	22.75	10.51	32.18	829.37	-206.95	862.57	836.36	26.21	32.909		
8,600.00	8,544.95	8,482.77	8,489.31	22.79	10.62	32.37	833.19	-201.07	868.96	842.56	26.40	32.915		
8,700.00	8,644.95	8,582.52	8,588.81	22.83	10.73	32.57	837.02	-195.18	875.37	848.78	26.59	32.921		
8,800.00	8,744.95	8,682.27	8,688.32	22.87	10.83	32.75	840.85	-189.30	881.79	855.01	26.78	32.928		
8,900.00	8,844.95	8,782.03	8,787.82	22.91	10.94	32.94	844.68	-183.41	888.22	861.25	26.97	32.934		
9,000.00	8,944.95	8,881.78	8,887.33	22.95	11.05	33.12	848.51	-177.53	894.65	867.49	27.16	32.941		
9,100.00	9,044.95	8,981.53	8,986.83	22.99	11.16	33.30	852.33	-171.64	901.10	873.75	27.35	32.947		
9,200.00	9,144.95	9,081.28	9,086.33	23.04	11.27	33.48	856.16	-165.76	907.55	880.01	27.54	32.954		
9,300.00	9,244.95	9,181.03	9,185.84	23.08	11.38	33.66	859.99	-159.87	914.01	886.28	27.73	32.961		
9,400.00	9,344.95	9,280.79	9,285.34	23.12	11.49	33.83	863.82	-153.99	920.48	892.56	27.92	32.968		
9,500.00	9,444.95	9,380.54	9,384.85	23.16	11.60	34.00	867.65	-148.10	926.96	898.85	28.11	32.975		
9,600.00	9,544.95	9,480.29	9,484.35	23.20	11.71	34.17	871.47	-142.22	933.45	905.15	28.30	32.982		
9,700.00	9,644.95	9,580.04	9,583.86	23.24	11.82	34.34	875.30	-136.33	939.95	911.45	28.49	32.989		
9,800.00	9,744.95	9,679.79	9,683.36	23.29	11.94	34.50	879.13	-130.45	946.45	917.77	28.68	32.996		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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)			
9,900.00	9,844.95	9,779.55	9,782.87	23.33	12.05	34.66	882.96	-124.56	952.96	924.09	28.87	33.003	
10,000.00	9,944.95	9,879.30	9,882.37	23.37	12.16	34.82	886.79	-118.67	959.48	930.41	29.07	33.010	
10,100.00	10,044.95	11,347.69	10,792.02	23.41	13.48	90.23	98.39	-60.64	961.17	919.90	41.28	23.285	
10,200.00	10,144.95	11,346.99	10,792.02	23.46	13.48	90.16	99.09	-60.65	885.69	844.52	41.16	21.516	
10,300.00	10,244.95	11,346.28	10,792.03	23.50	13.48	90.10	99.80	-60.65	815.49	774.58	40.91	19.932	
10,329.59	10,274.54	11,346.07	10,792.03	23.50	13.48	90.08	100.01	-60.65	795.94	754.91	41.03	19.397	
10,350.00	10,294.94	11,345.49	10,792.03	23.50	13.48	92.14	100.59	-60.65	782.83	741.89	40.95	19.119	
10,375.00	10,319.88	11,343.60	10,792.05	23.51	13.47	94.35	102.48	-60.66	767.24	726.42	40.82	18.795	
10,400.00	10,344.69	11,340.40	10,792.07	23.51	13.47	96.30	105.68	-60.68	752.23	711.55	40.68	18.490	
10,425.00	10,369.31	11,335.90	10,792.10	23.51	13.46	97.98	110.17	-60.70	737.86	697.33	40.53	18.206	
10,450.00	10,393.67	11,330.13	10,792.14	23.51	13.45	99.40	115.95	-60.72	724.18	683.82	40.36	17.944	
10,475.00	10,417.71	11,323.09	10,792.19	23.52	13.44	100.56	122.98	-60.76	711.24	671.07	40.17	17.704	
10,500.00	10,441.35	11,314.81	10,792.25	23.52	13.42	101.49	131.27	-60.80	699.08	659.11	39.98	17.488	
10,525.00	10,464.54	11,305.30	10,792.32	23.52	13.41	102.19	140.77	-60.84	687.74	647.97	39.77	17.295	
10,550.00	10,487.20	11,294.60	10,792.39	23.52	13.39	102.67	151.48	-60.89	677.23	637.68	39.55	17.124	
10,575.00	10,509.28	11,282.73	10,792.48	23.53	13.37	102.96	163.35	-60.95	667.57	628.24	39.32	16.976	
10,600.00	10,530.72	11,269.72	10,792.57	23.53	13.36	103.06	176.35	-61.01	658.76	619.66	39.10	16.850	
10,625.00	10,551.46	11,255.62	10,792.67	23.53	13.34	103.00	190.46	-61.08	650.78	611.92	38.87	16.745	
10,650.00	10,571.43	11,240.45	10,792.78	23.54	13.32	102.79	205.62	-61.15	643.63	605.00	38.63	16.660	
10,675.00	10,590.60	11,224.26	10,792.89	23.54	13.30	102.45	221.81	-61.22	637.28	598.87	38.41	16.593	
10,700.00	10,608.89	11,207.10	10,793.01	23.55	13.27	101.99	238.97	-61.31	631.69	593.50	38.18	16.544	
10,725.00	10,626.27	11,189.02	10,793.14	23.56	13.25	101.44	257.06	-61.39	626.81	588.84	37.97	16.509	
10,750.00	10,642.69	11,170.05	10,793.27	23.57	13.23	100.82	276.02	-61.48	622.61	584.84	37.77	16.486	
10,775.00	10,658.10	11,150.26	10,793.41	23.58	13.21	100.14	295.81	-61.57	619.03	581.45	37.57	16.474	
10,800.00	10,672.45	11,129.69	10,793.56	23.59	13.19	99.42	316.38	-61.67	616.01	578.61	37.40	16.473 SF	
10,825.00	10,685.72	11,103.39	10,793.39	23.60	13.17	98.43	342.68	-61.82	613.43	576.21	37.21	16.485	
10,850.00	10,697.86	11,075.56	10,791.94	23.61	13.14	97.33	370.47	-62.04	611.08	574.06	37.03	16.504	
10,875.00	10,708.84	11,048.47	10,789.23	23.63	13.12	96.26	397.42	-62.34	608.97	572.12	36.85	16.525	
10,900.00	10,718.62	11,022.06	10,785.38	23.64	13.09	95.19	423.54	-62.71	607.08	570.39	36.69	16.547	
10,925.00	10,727.19	10,996.26	10,780.45	23.66	13.06	94.13	448.86	-63.13	605.42	568.88	36.54	16.569	
10,950.00	10,734.52	10,971.02	10,774.54	23.68	13.04	93.09	473.39	-63.61	603.98	567.57	36.41	16.589	
10,975.00	10,740.59	10,946.29	10,767.70	23.71	13.01	92.06	497.15	-64.13	602.74	566.45	36.29	16.609	
11,000.00	10,745.38	10,922.03	10,760.01	23.73	12.99	91.05	520.15	-64.71	601.71	565.52	36.19	16.626	
11,025.00	10,748.89	10,898.19	10,751.51	23.76	12.96	90.05	542.41	-65.33	600.86	564.76	36.10	16.642	
11,050.00	10,751.09	10,874.75	10,742.25	23.79	12.93	89.07	563.93	-65.99	600.20	564.16	36.04	16.655	
11,075.00	10,751.98	10,851.66	10,732.29	23.82	12.91	88.11	584.75	-66.69	599.70	563.72	35.98	16.667	
11,078.01	10,752.00	10,848.90	10,731.04	23.82	12.91	87.99	587.21	-66.77	599.65	563.67	35.98	16.668	
11,100.00	10,752.07	10,829.15	10,721.77	23.85	12.89	87.10	604.64	-67.41	599.37	563.43	35.94	16.677	
11,120.58	10,752.14	10,811.32	10,712.89	23.88	12.87	86.24	620.09	-68.02	599.28	563.36	35.92	16.685 CC, ES	
11,200.00	10,752.40	10,750.00	10,678.79	24.01	12.80	82.97	670.96	-70.30	600.97	565.10	35.87	16.753	
11,300.00	10,752.74	10,682.02	10,634.89	24.20	12.74	78.78	722.73	-73.17	609.39	573.51	35.88	16.985	
11,400.00	10,753.07	10,627.65	10,595.56	24.43	12.69	75.11	760.16	-75.70	626.78	590.89	35.88	17.467	
11,500.00	10,753.40	10,583.12	10,560.83	24.68	12.65	71.94	787.92	-77.90	654.14	618.33	35.81	18.267	
11,600.00	10,753.73	10,550.00	10,533.65	24.95	12.63	69.52	806.77	-79.61	691.49	655.88	35.61	19.420	
11,700.00	10,754.06	10,515.80	10,504.50	25.26	12.61	66.99	824.55	-81.44	738.09	702.73	35.36	20.876	
11,800.00	10,754.39	10,500.00	10,490.69	25.59	12.60	65.82	832.17	-82.29	792.98	758.04	34.94	22.692	
11,900.00	10,754.72	10,468.23	10,462.30	25.95	12.58	63.48	846.32	-84.05	854.60	819.94	34.66	24.655	
12,000.00	10,755.05	10,450.00	10,445.67	26.33	12.57	62.14	853.72	-85.08	922.15	887.85	34.30	26.884	
12,100.00	10,755.38	10,433.27	10,430.21	26.73	12.57	60.92	860.04	-86.03	994.50	960.53	33.97	29.279	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 903H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	14.00	0.00	3.00	-29.04	722.40	-401.10	826.40	826.40			
100.00	100.00	86.00	100.00	0.77	3.00	-29.04	722.40	-401.10	826.28	821.48	4.80	172.181	
200.00	200.00	186.00	200.00	1.44	3.00	-29.04	722.40	-401.10	826.28	821.16	5.12	161.279	
300.00	300.00	286.00	300.00	1.88	3.01	-29.04	722.40	-401.10	826.28	820.85	5.43	152.033	
400.00	400.00	386.00	400.00	2.25	3.03	-29.04	722.40	-401.10	826.28	820.55	5.74	144.056	
500.00	500.00	486.00	500.00	2.56	3.05	-29.04	722.40	-401.10	826.28	820.25	6.03	137.078	
600.00	600.00	586.00	600.00	2.84	3.08	-29.04	722.40	-401.10	826.28	819.97	6.31	130.901	
700.00	700.00	686.00	700.00	3.10	3.11	-29.04	722.40	-401.10	826.28	819.69	6.59	125.380	
800.00	800.00	786.00	800.00	3.34	3.15	-29.04	722.40	-401.10	826.28	819.42	6.86	120.406	
900.00	900.00	886.00	900.00	3.57	3.19	-29.04	722.40	-401.10	826.28	819.15	7.13	115.892	
1,000.00	1,000.00	986.00	1,000.00	3.79	3.24	-29.04	722.40	-401.10	826.28	818.89	7.39	111.771	
1,100.00	1,100.00	1,086.00	1,100.00	3.99	3.29	-29.04	722.40	-401.10	826.28	818.63	7.65	107.988	
1,200.00	1,200.00	1,186.00	1,200.00	4.19	3.35	-29.04	722.40	-401.10	826.28	818.38	7.91	104.499	
1,300.00	1,300.00	1,286.00	1,300.00	4.38	3.41	-29.04	722.40	-401.10	826.28	818.12	8.16	101.268	
1,400.00	1,400.00	1,386.00	1,400.00	4.56	3.47	-29.04	722.40	-401.10	826.28	817.87	8.41	98.264	
1,500.00	1,500.00	1,486.00	1,500.00	4.74	3.54	-29.04	722.40	-401.10	826.28	817.63	8.66	95.461	
1,600.00	1,600.00	1,586.00	1,600.00	4.91	3.61	-29.04	722.40	-401.10	826.28	817.38	8.90	92.838	
1,700.00	1,700.00	1,686.00	1,700.00	5.08	3.69	-29.04	722.40	-401.10	826.28	817.14	9.14	90.378	
1,800.00	1,800.00	1,786.00	1,800.00	5.24	3.76	-29.04	722.40	-401.10	826.28	816.90	9.38	88.062	
1,900.00	1,900.00	1,886.00	1,900.00	5.40	3.84	-29.04	722.40	-401.10	826.28	816.66	9.62	85.879	
2,000.00	2,000.00	1,986.00	2,000.00	5.56	3.93	-29.04	722.40	-401.10	826.28	816.42	9.86	83.816	
2,100.00	2,099.98	2,085.98	2,099.98	5.79	4.01	52.46	722.40	-401.10	825.22	815.10	10.12	81.550	
2,200.00	2,199.84	2,185.84	2,199.84	6.01	4.10	52.80	722.40	-401.10	822.04	811.67	10.37	79.257	
2,300.00	2,299.45	2,285.45	2,299.45	6.26	4.19	53.37	722.40	-401.10	816.79	806.16	10.63	76.819	
2,400.00	2,398.70	2,384.70	2,398.70	6.52	4.29	54.17	722.40	-401.10	809.55	798.65	10.90	74.253	
2,499.94	2,497.41	2,483.41	2,497.41	6.80	4.38	55.22	722.40	-401.10	800.44	789.26	11.18	71.590	
2,600.00	2,595.95	2,581.95	2,595.95	7.04	4.48	56.25	722.40	-401.10	790.56	779.12	11.44	69.108	
2,700.00	2,694.43	2,680.43	2,694.43	7.29	4.57	57.30	722.40	-401.10	780.94	769.24	11.71	66.716	
2,800.00	2,792.91	2,778.91	2,792.91	7.56	4.67	58.37	722.40	-401.10	771.60	759.62	11.98	64.416	
2,900.00	2,891.39	2,877.39	2,891.39	7.84	4.77	59.47	722.40	-401.10	762.53	750.27	12.26	62.217	
3,000.00	2,989.87	2,975.87	2,989.87	8.15	4.87	60.59	722.40	-401.10	753.76	741.22	12.54	60.125	
3,100.00	3,088.35	3,074.35	3,088.35	8.46	4.98	61.74	722.40	-401.10	745.28	732.47	12.82	58.141	
3,200.00	3,186.83	3,172.83	3,186.83	8.79	5.08	62.91	722.40	-401.10	737.12	724.02	13.10	56.267	
3,300.00	3,285.31	3,271.31	3,285.31	9.13	5.19	64.11	722.40	-401.10	729.28	715.90	13.38	54.501	
3,400.00	3,383.80	3,369.80	3,383.80	9.48	5.29	65.34	722.40	-401.10	721.78	708.12	13.66	52.841	
3,500.00	3,482.28	3,468.28	3,482.28	9.84	5.40	66.59	722.40	-401.10	714.61	700.68	13.93	51.283	
3,600.00	3,580.76	3,566.76	3,580.76	10.21	5.51	67.86	722.40	-401.10	707.80	693.60	14.21	49.825	
3,700.00	3,679.24	3,665.24	3,679.24	10.58	5.62	69.16	722.40	-401.10	701.36	686.88	14.47	48.460	
3,800.00	3,777.72	3,763.72	3,777.72	10.96	5.73	70.48	722.40	-401.10	695.29	680.55	14.73	47.186	
3,900.00	3,876.20	3,862.20	3,876.20	11.35	5.84	71.82	722.40	-401.10	689.60	674.60	14.99	45.997	
4,000.00	3,974.68	3,960.68	3,974.68	11.74	5.95	73.18	722.40	-401.10	684.30	669.06	15.24	44.888	
4,100.00	4,073.16	4,059.16	4,073.16	12.13	6.06	74.56	722.40	-401.10	679.41	663.92	15.49	43.853	
4,200.00	4,171.64	4,157.64	4,171.64	12.53	6.18	75.96	722.40	-401.10	674.93	659.19	15.74	42.889	
4,300.00	4,270.13	4,256.13	4,270.13	12.93	6.29	77.38	722.40	-401.10	670.87	654.89	15.98	41.989	
4,400.00	4,368.61	4,354.61	4,368.61	13.34	6.40	78.81	722.40	-401.10	667.23	651.02	16.22	41.148	
4,500.00	4,467.09	4,453.09	4,467.09	13.75	6.52	80.26	722.40	-401.10	664.03	647.58	16.45	40.362	
4,600.00	4,565.57	4,551.57	4,565.57	14.16	6.63	81.72	722.40	-401.10	661.27	644.59	16.69	39.625	
4,700.00	4,664.05	4,650.05	4,664.05	14.58	6.75	83.19	722.40	-401.10	658.96	642.03	16.93	38.932	
4,800.00	4,762.53	4,748.53	4,762.53	15.00	6.87	84.68	722.40	-401.10	657.10	639.93	17.17	38.280	
4,900.00	4,861.01	4,847.01	4,861.01	15.42	6.98	86.16	722.40	-401.10	655.69	638.28	17.41	37.662	
5,000.00	4,959.49	4,945.49	4,959.49	15.84	7.10	87.66	722.40	-401.10	654.74	637.08	17.66	37.075	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		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		
5,100.00	5,057.97	5,043.97	5,057.97	16.26	7.22	89.15	722.40	-401.10	654.25	636.33	17.92	36.514		
5,156.56	5,113.67	5,099.67	5,113.67	16.50	7.29	90.00	722.40	-401.10	654.17	636.11	18.07	36.207		
5,200.00	5,156.46	5,142.46	5,156.46	16.69	7.34	90.65	722.40	-401.10	654.22	636.03	18.18	35.976		
5,300.00	5,254.94	5,240.94	5,254.94	17.11	7.46	92.15	722.40	-401.10	654.65	636.19	18.46	35.457		
5,400.00	5,353.42	5,339.42	5,353.42	17.54	7.58	93.64	722.40	-401.10	655.54	636.78	18.75	34.954		
5,500.00	5,451.90	5,437.90	5,451.90	17.97	7.70	95.13	722.40	-401.10	656.89	637.83	19.06	34.465		
5,600.00	5,550.38	5,536.43	5,550.43	18.40	7.80	96.59	722.46	-401.32	658.69	639.32	19.37	34.005		
5,624.17	5,574.18	5,560.34	5,574.34	18.50	7.82	96.92	722.56	-401.71	659.19	639.76	19.43	33.930		
5,700.00	5,648.95	5,635.82	5,649.77	18.82	7.88	97.80	723.23	-404.21	660.78	641.16	19.62	33.673		
5,800.00	5,747.78	5,736.19	5,749.92	19.24	7.94	98.56	724.92	-410.50	662.76	642.89	19.87	33.356		
5,900.00	5,846.87	5,836.19	5,849.55	19.65	8.00	98.98	727.17	-418.89	664.45	644.36	20.10	33.062		
6,000.00	5,946.18	5,936.14	5,949.11	20.05	8.06	99.25	729.42	-427.30	665.90	645.59	20.31	32.787		
6,100.00	6,045.68	6,036.12	6,048.72	20.44	8.12	99.36	731.68	-435.72	667.08	646.57	20.51	32.529		
6,200.00	6,145.33	6,136.12	6,148.33	20.81	8.19	99.32	733.93	-444.14	667.97	647.28	20.69	32.289		
6,300.00	6,245.12	6,236.09	6,247.92	21.17	8.25	99.13	736.19	-452.55	668.58	647.73	20.85	32.068		
6,400.00	6,345.00	6,336.01	6,347.46	21.50	8.32	98.79	738.44	-460.96	668.93	647.94	20.99	31.864		
6,500.00	6,444.96	6,435.84	6,446.92	21.80	8.39	98.31	740.69	-469.37	669.05	647.93	21.12	31.678		
6,600.00	6,544.95	6,535.56	6,546.26	22.04	8.46	97.67	742.94	-477.76	668.99	647.76	21.23	31.510		
6,624.05	6,569.00	6,559.53	6,570.13	22.06	8.48	16.11	743.48	-479.78	668.95	647.71	21.24	31.495		
6,700.00	6,644.95	6,635.19	6,645.50	22.08	8.53	15.54	745.19	-486.15	668.86	647.57	21.29	31.416		
6,773.27	6,718.22	6,708.18	6,718.22	22.11	8.59	15.00	746.84	-492.30	668.83	647.47	21.35	31.320		
6,800.00	6,744.95	6,734.81	6,744.74	22.11	8.61	14.80	747.44	-494.54	668.83	647.45	21.38	31.284		
6,900.00	6,844.95	6,834.43	6,843.98	22.15	8.68	14.06	749.68	-502.92	668.92	647.44	21.48	31.147		
7,000.00	6,944.95	6,934.05	6,943.22	22.19	8.76	13.31	751.93	-511.31	669.12	647.54	21.58	31.006		
7,100.00	7,044.95	7,033.67	7,042.46	22.22	8.84	12.57	754.18	-519.70	669.43	647.74	21.69	30.861		
7,200.00	7,144.95	7,133.29	7,141.70	22.26	8.92	11.83	756.43	-528.08	669.86	648.05	21.81	30.713		
7,300.00	7,244.95	7,232.90	7,240.94	22.30	9.00	11.09	758.67	-536.47	670.40	648.46	21.94	30.561		
7,400.00	7,344.95	7,332.52	7,340.19	22.33	9.08	10.35	760.92	-544.86	671.05	648.98	22.07	30.407		
7,500.00	7,444.95	7,432.14	7,439.43	22.37	9.16	9.61	763.17	-553.24	671.82	649.61	22.21	30.251		
7,600.00	7,544.95	7,531.76	7,538.67	22.41	9.25	8.87	765.41	-561.63	672.70	650.34	22.35	30.093		
7,700.00	7,644.95	7,631.38	7,637.91	22.44	9.33	8.14	767.66	-570.02	673.68	651.18	22.51	29.932		
7,800.00	7,744.95	7,731.00	7,737.15	22.48	9.42	7.41	769.91	-578.40	674.79	652.12	22.67	29.771		
7,900.00	7,844.95	7,830.62	7,836.39	22.52	9.51	6.68	772.16	-586.79	676.00	653.17	22.83	29.609		
8,000.00	7,944.95	7,930.24	7,935.63	22.56	9.60	5.95	774.40	-595.18	677.32	654.32	23.00	29.446		
8,100.00	8,044.95	8,029.86	8,034.87	22.60	9.69	5.23	776.65	-603.56	678.75	655.57	23.18	29.284		
8,200.00	8,144.95	8,129.48	8,134.11	22.64	9.78	4.51	778.90	-611.95	680.29	656.93	23.36	29.121		
8,300.00	8,244.95	8,229.10	8,233.35	22.67	9.87	3.79	781.14	-620.34	681.93	658.39	23.55	28.959		
8,400.00	8,344.95	8,328.72	8,332.59	22.71	9.97	3.08	783.39	-628.72	683.69	659.95	23.74	28.798		
8,500.00	8,444.95	8,428.34	8,431.83	22.75	10.06	2.37	785.64	-637.11	685.55	661.61	23.94	28.638		
8,600.00	8,544.95	8,527.96	8,531.07	22.79	10.16	1.66	787.89	-645.50	687.51	663.37	24.14	28.480		
8,700.00	8,644.95	8,627.58	8,630.31	22.83	10.25	0.96	790.13	-653.88	689.58	665.24	24.35	28.324		
8,800.00	8,744.95	8,727.20	8,729.55	22.87	10.35	0.26	792.38	-662.27	691.76	667.20	24.56	28.169		
8,900.00	8,844.95	8,826.82	8,828.79	22.91	10.45	-0.43	794.63	-670.65	694.03	669.26	24.77	28.017		
9,000.00	8,944.95	8,926.44	8,928.03	22.95	10.55	-1.12	796.87	-679.04	696.41	671.42	24.99	27.868		
9,100.00	9,044.95	9,026.06	9,027.27	22.99	10.65	-1.81	799.12	-687.43	698.89	673.68	25.21	27.721		
9,200.00	9,144.95	9,125.67	9,126.51	23.04	10.75	-2.49	801.37	-695.81	701.47	676.03	25.44	27.577		
9,300.00	9,244.95	9,225.29	9,225.75	23.08	10.85	-3.16	803.62	-704.20	704.15	678.48	25.67	27.436		
9,400.00	9,344.95	9,324.91	9,324.99	23.12	10.95	-3.83	805.86	-712.59	706.92	681.03	25.90	27.298		
9,500.00	9,444.95	9,424.53	9,424.23	23.16	11.05	-4.49	808.11	-720.97	709.79	683.66	26.13	27.164		
9,600.00	9,544.95	9,524.15	9,523.47	23.20	11.16	-5.15	810.36	-729.36	712.76	686.39	26.37	27.033		
9,700.00	9,644.95	9,623.77	9,622.71	23.24	11.26	-5.80	812.60	-737.75	715.82	689.21	26.60	26.906		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			No-Go Distance (usft)
9,800.00	9,744.95	9,723.39	9,721.95	23.29	11.37	-6.45	814.85	-746.13	718.97	692.12	26.84	26.782	
9,900.00	9,844.95	9,823.01	9,821.19	23.33	11.47	-7.09	817.10	-754.52	722.21	695.12	27.09	26.662	
10,000.00	9,944.95	9,922.63	9,920.44	23.37	11.58	-7.73	819.35	-762.91	725.55	698.21	27.33	26.546	
10,100.00	10,044.95	10,022.25	10,019.68	23.41	11.68	-8.36	821.59	-771.29	728.97	701.39	27.58	26.434	
10,200.00	10,144.95	11,247.41	10,768.07	23.46	13.09	-85.87	119.97	-930.87	677.59	637.03	40.56	16.706	
10,300.00	10,244.95	11,246.66	10,768.07	23.50	13.08	-85.71	120.71	-930.81	586.94	546.38	40.56	14.469	
10,329.59	10,274.54	11,246.44	10,768.08	23.50	13.08	-85.66	120.94	-930.79	560.73	520.35	40.38	13.886	
10,350.00	10,294.94	11,245.81	10,768.08	23.50	13.08	-89.91	121.56	-930.73	542.84	502.49	40.35	13.454	
10,375.00	10,319.88	11,243.73	10,768.09	23.51	13.08	-94.67	123.63	-930.55	521.18	480.89	40.29	12.934	
10,400.00	10,344.69	11,240.22	10,768.12	23.51	13.07	-98.80	127.12	-930.23	499.87	459.65	40.23	12.427	
10,425.00	10,369.31	11,235.30	10,768.15	23.51	13.06	-102.29	132.02	-929.78	479.00	438.86	40.14	11.933	
10,450.00	10,393.67	11,228.98	10,768.19	23.51	13.04	-105.15	138.32	-929.19	458.64	418.60	40.04	11.455	
10,475.00	10,417.71	11,221.27	10,768.25	23.52	13.02	-107.45	146.00	-928.46	438.86	398.95	39.92	10.994	
10,500.00	10,441.35	11,212.19	10,768.31	23.52	13.00	-109.21	155.03	-927.56	419.76	379.98	39.78	10.553	
10,525.00	10,464.54	11,201.79	10,768.38	23.52	12.97	-110.49	165.38	-926.50	401.38	361.76	39.62	10.131	
10,550.00	10,487.20	11,190.08	10,768.46	23.52	12.95	-111.34	177.02	-925.27	383.79	344.35	39.44	9.730	
10,575.00	10,509.28	11,177.11	10,768.55	23.53	12.92	-111.80	189.91	-923.84	367.05	327.79	39.25	9.351	
10,600.00	10,530.72	11,162.91	10,768.64	23.53	12.89	-111.90	204.01	-922.21	351.19	312.15	39.05	8.995	
10,625.00	10,551.46	11,147.53	10,768.75	23.53	12.85	-111.69	219.28	-920.37	336.26	297.43	38.83	8.661	
10,650.00	10,571.43	11,131.02	10,768.86	23.54	12.82	-111.19	235.66	-918.30	322.26	283.67	38.60	8.350	
10,675.00	10,590.60	11,113.42	10,768.98	23.54	12.78	-110.44	253.11	-915.99	309.22	270.85	38.36	8.060	
10,700.00	10,608.89	11,091.25	10,768.96	23.55	12.74	-108.97	275.07	-912.94	297.05	258.91	38.14	7.789	
10,725.00	10,626.27	11,066.82	10,768.00	23.56	12.70	-107.00	299.23	-909.50	285.49	247.59	37.90	7.532	
10,750.00	10,642.69	11,043.22	10,766.10	23.57	12.65	-104.96	322.51	-906.10	274.59	236.92	37.66	7.291	
10,775.00	10,658.10	11,020.33	10,763.33	23.58	12.61	-102.82	344.98	-902.73	264.39	226.96	37.42	7.065	
10,800.00	10,672.45	10,998.06	10,759.77	23.59	12.57	-100.59	366.71	-899.40	254.95	217.75	37.20	6.853	
10,825.00	10,685.72	10,976.35	10,755.49	23.60	12.54	-98.26	387.74	-896.10	246.34	209.34	37.01	6.657	
10,850.00	10,697.86	10,955.12	10,750.52	23.61	12.50	-95.81	408.12	-892.83	238.60	201.76	36.85	6.476	
10,875.00	10,708.84	10,934.31	10,744.92	23.63	12.47	-93.26	427.89	-889.59	231.78	195.05	36.73	6.310	
10,900.00	10,718.62	10,913.89	10,738.72	23.64	12.43	-90.61	447.07	-886.38	225.91	189.24	36.67	6.160	
10,925.00	10,727.19	10,893.81	10,731.96	23.66	12.40	-87.87	465.71	-883.20	221.00	184.34	36.66	6.028	
10,950.00	10,734.52	10,874.04	10,724.66	23.68	12.37	-85.04	483.81	-880.04	217.07	180.37	36.70	5.915	
10,975.00	10,740.59	10,854.53	10,716.84	23.71	12.34	-82.15	501.41	-876.91	214.10	177.33	36.77	5.822	
11,000.00	10,745.38	10,835.28	10,708.53	23.73	12.31	-79.21	518.50	-873.81	212.07	175.20	36.88	5.751	
11,025.00	10,748.89	10,816.24	10,699.75	23.76	12.29	-76.25	535.11	-870.73	210.95	173.95	36.99	5.702	
11,046.48	10,750.86	10,800.00	10,691.83	23.78	12.26	-73.69	549.03	-868.10	210.65	173.56	37.09	5.679 CC	
11,050.00	10,751.09	10,797.40	10,690.52	23.79	12.26	-73.28	551.24	-867.68	210.66	173.55	37.11	5.677 ES	
11,075.00	10,751.98	10,778.74	10,680.85	23.82	12.23	-70.32	566.91	-864.65	211.15	173.95	37.20	5.676 SF	
11,078.01	10,752.00	10,776.50	10,679.66	23.82	12.23	-69.97	568.77	-864.29	211.26	174.05	37.21	5.677	
11,100.00	10,752.07	10,760.49	10,670.90	23.85	12.21	-67.49	581.92	-861.69	212.53	175.26	37.27	5.702	
11,200.00	10,752.40	10,695.05	10,631.35	24.01	12.13	-56.86	632.93	-851.14	230.68	193.47	37.21	6.200	
11,300.00	10,752.74	10,640.59	10,594.11	24.20	12.07	-48.11	671.68	-842.48	268.99	232.51	36.48	7.373	
11,400.00	10,753.07	10,600.00	10,564.01	24.43	12.04	-42.07	698.16	-836.17	323.71	288.47	35.25	9.185	
11,500.00	10,753.40	10,550.00	10,524.42	24.68	11.99	-35.46	727.72	-828.59	390.04	355.31	34.73	11.232	
11,600.00	10,753.73	10,525.81	10,504.36	24.95	11.98	-32.62	740.75	-825.02	464.11	430.52	33.59	13.818	
11,700.00	10,754.06	10,500.00	10,482.35	25.26	11.96	-29.86	753.71	-821.29	543.80	510.93	32.86	16.547	
11,800.00	10,754.39	10,475.94	10,461.32	25.59	11.95	-27.51	764.88	-817.89	627.41	595.06	32.35	19.393	
11,900.00	10,754.72	10,450.00	10,438.12	25.95	11.93	-25.22	775.92	-814.32	713.98	681.93	32.05	22.279	
12,000.00	10,755.05	10,450.00	10,438.12	26.33	11.93	-25.22	775.92	-814.32	802.80	771.42	31.38	25.580	
12,100.00	10,755.38	10,423.88	10,414.27	26.73	11.92	-23.14	785.97	-810.83	893.01	861.70	31.32	28.517	
12,200.00	10,755.71	10,400.00	10,392.07	27.15	11.91	-21.43	794.20	-807.74	984.90	953.64	31.26	31.505	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	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
0.00	0.00	1.00	0.00	0.00	0.01	83.95	21.20	199.90	201.02				
100.00	100.00	101.00	100.00	0.77	0.77	83.95	21.20	199.90	201.02	199.02	2.00	100.619	
200.00	200.00	201.00	200.00	1.44	1.44	83.95	21.20	199.90	201.02	197.71	3.32	60.622	
300.00	300.00	301.00	300.00	1.88	1.89	83.95	21.20	199.90	201.02	196.82	4.20	47.874	
400.00	400.00	401.00	400.00	2.25	2.25	83.95	21.20	199.90	201.02	196.11	4.92	40.899	
500.00	500.00	501.00	500.00	2.56	2.56	83.95	21.20	199.90	201.02	195.49	5.54	36.313	
600.00	600.00	601.00	600.00	2.84	2.85	83.95	21.20	199.90	201.02	194.93	6.09	32.993	
700.00	700.00	701.00	700.00	3.10	3.11	83.95	21.20	199.90	201.02	194.42	6.60	30.441	
800.00	800.00	801.00	800.00	3.34	3.35	83.95	21.20	199.90	201.02	193.94	7.08	28.397	
900.00	900.00	901.00	900.00	3.57	3.57	83.95	21.20	199.90	201.02	193.50	7.53	26.711	
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	83.95	21.20	199.90	201.02	193.07	7.95	25.287	
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	83.95	21.20	199.90	201.02	192.67	8.35	24.064	
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	83.95	21.20	199.90	201.02	192.28	8.74	22.997	
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	83.95	21.20	199.90	201.02	191.91	9.11	22.055	
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	83.95	21.20	199.90	201.02	191.55	9.48	21.216	
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	83.95	21.20	199.90	201.02	191.20	9.82	20.461	
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	83.95	21.20	199.90	201.02	190.86	10.16	19.778	
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	83.95	21.20	199.90	201.02	190.53	10.49	19.155	
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	83.95	21.20	199.90	201.02	190.20	10.82	18.583	
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	83.95	21.20	199.90	201.02	189.89	11.13	18.057	
1,966.33	1,966.33	1,967.33	1,966.33	5.50	5.50	83.95	21.20	199.90	201.02	189.68	11.34	17.731 CC	
2,000.00	2,000.00	2,000.00	1,999.00	5.56	5.56	83.95	21.20	199.90	201.02	189.58	11.44	17.573 ES	
2,100.00	2,099.98	2,094.30	2,093.28	5.79	5.77	165.39	21.49	201.42	204.37	192.49	11.87	17.215 SF	
2,200.00	2,199.84	2,187.05	2,185.91	6.01	5.98	165.57	22.36	205.89	214.31	202.03	12.28	17.445	
2,300.00	2,299.45	2,278.59	2,277.15	6.26	6.21	165.82	23.76	213.19	230.79	218.07	12.71	18.153	
2,400.00	2,398.70	2,368.36	2,366.35	6.52	6.44	166.11	25.68	223.12	253.68	240.52	13.16	19.276	
2,499.94	2,497.41	2,455.80	2,452.88	6.80	6.68	166.39	28.05	235.43	282.81	269.19	13.62	20.759	
2,600.00	2,595.95	2,541.15	2,536.94	7.04	6.90	166.75	30.85	249.94	316.45	302.44	14.01	22.589	
2,700.00	2,694.43	2,630.68	2,624.71	7.29	7.10	167.01	34.20	267.27	352.34	337.92	14.42	24.442	
2,800.00	2,792.91	2,723.92	2,716.08	7.56	7.35	167.23	37.72	285.52	388.45	373.54	14.91	26.048	
2,900.00	2,891.39	2,817.16	2,807.45	7.84	7.61	167.41	41.24	303.78	424.57	409.13	15.44	27.502	
3,000.00	2,989.87	2,910.41	2,898.82	8.15	7.89	167.57	44.76	322.03	460.69	444.70	15.99	28.807	
3,100.00	3,088.35	3,003.65	2,990.19	8.46	8.18	167.70	48.28	340.29	496.82	480.24	16.57	29.976	
3,200.00	3,186.83	3,096.89	3,081.56	8.79	8.48	167.81	51.80	358.54	532.94	515.76	17.18	31.022	
3,300.00	3,285.31	3,190.13	3,172.93	9.13	8.80	167.91	55.32	376.79	569.07	551.26	17.81	31.958	
3,400.00	3,383.80	3,283.37	3,264.30	9.48	9.12	168.00	58.84	395.05	605.20	586.75	18.45	32.797	
3,500.00	3,482.28	3,376.61	3,355.67	9.84	9.46	168.08	62.36	413.30	641.33	622.21	19.12	33.549	
3,600.00	3,580.76	3,469.86	3,447.04	10.21	9.80	168.14	65.89	431.55	677.46	657.67	19.79	34.224	
3,700.00	3,679.24	3,563.10	3,538.41	10.58	10.15	168.21	69.41	449.81	713.59	693.11	20.49	34.831	
3,800.00	3,777.72	3,656.34	3,629.78	10.96	10.51	168.26	72.93	468.06	749.73	728.53	21.19	35.378	
3,900.00	3,876.20	3,749.58	3,721.14	11.35	10.87	168.31	76.45	486.31	785.86	763.95	21.91	35.871	
4,000.00	3,974.68	3,842.82	3,812.51	11.74	11.24	168.36	79.97	504.57	821.99	799.36	22.63	36.317	
4,100.00	4,073.16	3,936.06	3,903.88	12.13	11.61	168.40	83.49	522.82	858.13	834.76	23.37	36.720	
4,200.00	4,171.64	4,029.30	3,995.25	12.53	11.99	168.44	87.01	541.07	894.26	870.15	24.11	37.086	
4,300.00	4,270.13	4,122.55	4,086.62	12.93	12.37	168.48	90.53	559.33	930.40	905.53	24.86	37.419	
4,400.00	4,368.61	4,215.79	4,177.99	13.34	12.76	168.51	94.05	577.58	966.53	940.91	25.62	37.722	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
0.00	0.00	1.00	0.00	0.00	0.01	89.66	1.20	200.00	200.00				
100.00	100.00	101.00	100.00	0.77	0.77	89.66	1.20	200.00	200.00	198.01	2.00	100.110	
200.00	200.00	201.00	200.00	1.44	1.44	89.66	1.20	200.00	200.00	196.69	3.32	60.315	
300.00	300.00	301.00	300.00	1.88	1.89	89.66	1.20	200.00	200.00	195.80	4.20	47.632	
400.00	400.00	401.00	400.00	2.25	2.25	89.66	1.20	200.00	200.00	195.09	4.92	40.692	
500.00	500.00	501.00	500.00	2.56	2.56	89.66	1.20	200.00	200.00	194.47	5.54	36.129	
600.00	600.00	601.00	600.00	2.84	2.85	89.66	1.20	200.00	200.00	193.91	6.09	32.826	
700.00	700.00	701.00	700.00	3.10	3.11	89.66	1.20	200.00	200.00	193.40	6.60	30.287	
800.00	800.00	801.00	800.00	3.34	3.35	89.66	1.20	200.00	200.00	192.92	7.08	28.254	
900.00	900.00	901.00	900.00	3.57	3.57	89.66	1.20	200.00	200.00	192.48	7.53	26.576	
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	89.66	1.20	200.00	200.00	192.05	7.95	25.159	
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	89.66	1.20	200.00	200.00	191.65	8.35	23.942	
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	89.66	1.20	200.00	200.00	191.26	8.74	22.880	
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	89.66	1.20	200.00	200.00	190.89	9.11	21.944	
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	89.66	1.20	200.00	200.00	190.53	9.48	21.108	
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	89.66	1.20	200.00	200.00	190.18	9.82	20.358	
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	89.66	1.20	200.00	200.00	189.84	10.16	19.678	
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	89.66	1.20	200.00	200.00	189.51	10.49	19.058	
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	89.66	1.20	200.00	200.00	189.19	10.82	18.489	
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	89.66	1.20	200.00	200.00	188.87	11.13	17.966	
2,000.00	2,000.00	2,001.00	2,000.00	5.56	5.56	89.66	1.20	200.00	200.00	188.56	11.44	17.481 CC, ES	
2,100.00	2,099.98	2,100.98	2,099.98	5.79	5.70	171.11	1.20	200.00	201.73	189.92	11.81	17.086	
2,200.00	2,199.84	2,200.86	2,199.86	6.01	5.83	171.32	1.20	200.00	206.90	194.74	12.16	17.020 SF	
2,300.00	2,299.45	2,303.36	2,302.34	6.26	6.04	171.20	2.93	199.30	214.84	202.30	12.53	17.140	
2,400.00	2,398.70	2,405.68	2,404.50	6.52	6.27	170.34	8.04	197.23	224.91	211.98	12.93	17.397	
2,499.94	2,497.41	2,507.57	2,505.98	6.80	6.50	168.88	16.49	193.82	237.20	223.87	13.33	17.794	
2,600.00	2,595.95	2,607.64	2,605.34	7.04	6.63	167.06	27.51	189.36	250.41	236.80	13.62	18.391	
2,700.00	2,694.43	2,706.47	2,703.43	7.29	6.84	165.39	38.68	184.84	263.74	249.77	13.98	18.869	
2,800.00	2,792.91	2,805.29	2,801.52	7.56	7.05	163.87	49.85	180.33	277.28	262.92	14.36	19.314	
2,900.00	2,891.39	2,904.12	2,899.61	7.84	7.29	162.50	61.02	175.81	290.99	276.24	14.75	19.734	
3,000.00	2,989.87	3,001.94	2,996.78	8.15	7.55	161.39	71.44	171.60	304.99	289.83	15.16	20.113	
3,100.00	3,088.35	3,100.00	3,094.37	8.46	7.80	160.67	80.34	168.00	319.44	303.85	15.58	20.497	
3,200.00	3,186.83	3,197.49	3,191.53	8.79	8.06	160.30	87.65	165.04	334.25	318.23	16.02	20.864	
3,300.00	3,285.31	3,295.20	3,289.05	9.13	8.31	160.24	93.44	162.70	349.40	332.93	16.47	21.210	
3,400.00	3,383.80	3,392.81	3,386.55	9.48	8.56	160.43	97.68	160.98	364.88	347.93	16.94	21.536	
3,500.00	3,482.28	3,490.24	3,483.94	9.84	8.80	160.86	100.38	159.89	380.69	363.27	17.43	21.844	
3,600.00	3,580.76	3,587.45	3,581.13	10.21	9.00	161.49	101.55	159.42	396.89	378.96	17.93	22.138	
3,700.00	3,679.24	3,685.56	3,679.24	10.58	9.11	162.24	101.60	159.40	413.40	394.95	18.44	22.413	
3,800.00	3,777.72	3,784.04	3,777.72	10.96	9.20	162.95	101.60	159.40	429.99	411.02	18.97	22.668	
3,900.00	3,876.20	3,882.52	3,876.20	11.35	9.29	163.60	101.60	159.40	446.64	427.14	19.50	22.906	
4,000.00	3,974.68	3,981.00	3,974.68	11.74	9.38	164.21	101.60	159.40	463.34	443.31	20.04	23.126	
4,100.00	4,073.16	4,079.48	4,073.16	12.13	9.47	164.77	101.60	159.40	480.09	459.51	20.58	23.329	
4,200.00	4,171.64	4,177.96	4,171.64	12.53	9.56	165.30	101.60	159.40	496.88	475.75	21.13	23.517	
4,300.00	4,270.13	4,276.44	4,270.13	12.93	9.65	165.79	101.60	159.40	513.71	492.03	21.68	23.691	
4,400.00	4,368.61	4,374.92	4,368.61	13.34	9.74	166.25	101.60	159.40	530.57	508.33	22.24	23.853	
4,500.00	4,467.09	4,473.41	4,467.09	13.75	9.83	166.68	101.60	159.40	547.47	524.66	22.81	24.003	
4,600.00	4,565.57	4,571.89	4,565.57	14.16	9.92	167.08	101.60	159.40	564.39	541.01	23.38	24.142	
4,700.00	4,664.05	4,670.37	4,664.05	14.58	10.01	167.47	101.60	159.40	581.34	557.39	23.95	24.272	
4,800.00	4,762.53	4,768.85	4,762.53	15.00	10.10	167.83	101.60	159.40	598.31	573.78	24.53	24.393	
4,900.00	4,861.01	4,867.33	4,861.01	15.42	10.18	168.17	101.60	159.40	615.31	590.20	25.11	24.506	
5,000.00	4,959.49	4,965.81	4,959.49	15.84	10.27	168.49	101.60	159.40	632.32	606.63	25.69	24.612	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
5,100.00	5,057.97	5,064.29	5,057.97	16.26	10.36	168.80	101.60	159.40	649.35	623.07	26.28	24.710	
5,200.00	5,156.46	5,162.77	5,156.46	16.69	10.45	169.09	101.60	159.40	666.40	639.54	26.87	24.803	
5,300.00	5,254.94	5,261.25	5,254.94	17.11	10.54	169.36	101.60	159.40	683.47	656.01	27.46	24.889	
5,400.00	5,353.42	5,359.74	5,353.42	17.54	10.62	169.62	101.60	159.40	700.55	672.49	28.06	24.970	
5,500.00	5,451.90	5,458.22	5,451.90	17.97	10.71	169.87	101.60	159.40	717.64	688.99	28.65	25.047	
5,600.00	5,550.38	5,556.70	5,550.38	18.40	10.80	170.11	101.60	159.40	734.75	705.50	29.25	25.119	
5,624.17	5,574.18	5,580.50	5,574.18	18.50	10.82	170.17	101.60	159.40	738.89	709.50	29.39	25.143	
5,700.00	5,648.95	5,655.26	5,648.95	18.82	10.89	170.35	101.60	159.40	751.38	721.55	29.83	25.188	
5,800.00	5,747.78	5,754.10	5,747.78	19.24	10.97	170.57	101.60	159.40	766.37	735.95	30.42	25.195	
5,900.00	5,846.87	5,853.19	5,846.87	19.65	11.06	170.75	101.60	159.40	779.66	748.67	30.99	25.156	
6,000.00	5,946.18	5,952.50	5,946.18	20.05	11.15	170.91	101.60	159.40	791.25	759.70	31.55	25.077	
6,100.00	6,045.68	6,051.99	6,045.68	20.44	11.24	171.04	101.60	159.40	801.13	769.04	32.10	24.960	
6,200.00	6,145.33	6,151.65	6,145.33	20.81	11.32	171.14	101.60	159.40	809.30	776.68	32.62	24.809	
6,300.00	6,245.12	6,251.44	6,245.12	21.17	11.41	171.22	101.60	159.40	815.74	782.62	33.12	24.629	
6,400.00	6,345.00	6,351.32	6,345.00	21.50	11.50	171.28	101.60	159.40	820.47	786.88	33.59	24.425	
6,500.00	6,444.96	6,451.27	6,444.96	21.80	11.59	171.31	101.60	159.40	823.47	789.45	34.02	24.205	
6,600.00	6,544.95	6,551.26	6,544.95	22.04	11.68	171.33	101.60	159.40	824.75	790.37	34.38	23.990	
6,624.05	6,569.00	6,575.32	6,569.00	22.06	11.70	89.94	101.60	159.40	824.80	790.38	34.42	23.963	
6,700.00	6,644.95	6,651.26	6,644.95	22.08	11.76	89.94	101.60	159.40	824.80	790.31	34.49	23.914	
6,800.00	6,744.95	6,751.26	6,744.95	22.11	11.85	89.94	101.60	159.40	824.80	790.21	34.59	23.843	
6,900.00	6,844.95	6,851.26	6,844.95	22.15	11.94	89.94	101.60	159.40	824.80	790.10	34.70	23.772	
7,000.00	6,944.95	6,951.26	6,944.95	22.19	12.03	89.94	101.60	159.40	824.80	790.00	34.80	23.701	
7,100.00	7,044.95	7,051.26	7,044.95	22.22	12.11	89.94	101.60	159.40	824.80	789.89	34.91	23.630	
7,200.00	7,144.95	7,151.26	7,144.95	22.26	12.20	89.94	101.60	159.40	824.80	789.79	35.01	23.559	
7,300.00	7,244.95	7,251.26	7,244.95	22.30	12.29	89.94	101.60	159.40	824.80	789.68	35.12	23.488	
7,400.00	7,344.95	7,351.26	7,344.95	22.33	12.38	89.94	101.60	159.40	824.80	789.58	35.22	23.417	
7,500.00	7,444.95	7,451.26	7,444.95	22.37	12.46	89.94	101.60	159.40	824.80	789.47	35.33	23.347	
7,600.00	7,544.95	7,551.26	7,544.95	22.41	12.55	89.94	101.60	159.40	824.80	789.37	35.43	23.277	
7,700.00	7,644.95	7,651.26	7,644.95	22.44	12.64	89.94	101.60	159.40	824.80	789.26	35.54	23.206	
7,800.00	7,744.95	7,751.26	7,744.95	22.48	12.72	89.94	101.60	159.40	824.80	789.15	35.65	23.136	
7,900.00	7,844.95	7,851.26	7,844.95	22.52	12.81	89.94	101.60	159.40	824.80	789.04	35.76	23.066	
8,000.00	7,944.95	7,951.26	7,944.95	22.56	12.90	89.94	101.60	159.40	824.80	788.93	35.87	22.997	
8,100.00	8,044.95	8,051.26	8,044.95	22.60	12.98	89.94	101.60	159.40	824.80	788.83	35.97	22.927	
8,200.00	8,144.95	8,151.26	8,144.95	22.64	13.07	89.94	101.60	159.40	824.80	788.72	36.08	22.858	
8,300.00	8,244.95	8,251.26	8,244.95	22.67	13.16	89.94	101.60	159.40	824.80	788.61	36.19	22.789	
8,400.00	8,344.95	8,351.26	8,344.95	22.71	13.24	89.94	101.60	159.40	824.80	788.50	36.30	22.720	
8,500.00	8,444.95	8,451.26	8,444.95	22.75	13.33	89.94	101.60	159.40	824.80	788.39	36.41	22.651	
8,600.00	8,544.95	8,551.26	8,544.95	22.79	13.42	89.94	101.60	159.40	824.80	788.28	36.52	22.582	
8,700.00	8,644.95	8,651.26	8,644.95	22.83	13.50	89.94	101.60	159.40	824.80	788.17	36.64	22.514	
8,800.00	8,744.95	8,751.26	8,744.95	22.87	13.59	89.94	101.60	159.40	824.80	788.05	36.75	22.446	
8,900.00	8,844.95	8,851.26	8,844.95	22.91	13.67	89.94	101.60	159.40	824.80	787.94	36.86	22.377	
9,000.00	8,944.95	8,951.26	8,944.95	22.95	13.76	89.94	101.60	159.40	824.80	787.83	36.97	22.310	
9,100.00	9,044.95	9,051.26	9,044.95	22.99	13.85	89.94	101.60	159.40	824.80	787.72	37.08	22.242	
9,200.00	9,144.95	9,151.26	9,144.95	23.04	13.93	89.94	101.60	159.40	824.80	787.60	37.20	22.174	
9,300.00	9,244.95	9,251.26	9,244.95	23.08	14.02	89.94	101.60	159.40	824.80	787.49	37.31	22.107	
9,384.05	9,328.99	9,335.31	9,328.99	23.11	14.08	89.93	101.76	159.40	824.80	787.41	37.39	22.059	
9,400.00	9,344.95	9,351.24	9,344.91	23.12	14.09	89.89	102.44	159.40	824.80	787.40	37.40	22.052	
9,500.00	9,444.95	9,448.34	9,440.58	23.16	14.13	88.81	117.99	159.38	824.97	787.58	37.39	22.066	
9,600.00	9,544.95	9,535.96	9,522.64	23.20	14.19	86.70	148.37	159.35	826.42	789.16	37.26	22.182	
9,700.00	9,644.95	9,610.60	9,587.18	23.24	14.24	84.12	185.71	159.30	831.07	794.06	37.01	22.453	
9,800.00	9,744.95	9,675.00	9,637.62	23.29	14.28	81.39	225.68	159.26	840.93	804.23	36.70	22.914	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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			Rule Assigned:							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside				Between	Between	No-Go	Separation	Warning		
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W		Centres	Ellipses	Distance	Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)		(usft)	(usft)	(usft)				
9,900.00	9,844.95	9,725.00	9,672.80	23.33	14.32	78.99	261.17	159.21		857.52	821.15	36.37	23.576			
10,000.00	9,944.95	9,762.70	9,696.76	23.37	14.35	77.06	290.27	159.18		881.72	845.62	36.10	24.425			
10,100.00	10,044.95	9,800.00	9,718.14	23.41	14.37	75.06	320.82	159.14		913.83	877.94	35.89	25.465			
10,200.00	10,144.95	9,825.00	9,731.10	23.46	14.39	73.68	342.19	159.12		953.61	917.80	35.81	26.631			

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP2														Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9180-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor			
0.00	0.00	1.00	0.00	0.00	0.01	95.37	-18.80	200.10	200.98						
100.00	100.00	101.00	100.00	0.77	0.77	95.37	-18.80	200.10	200.98	198.98	2.00	100.599			
200.00	200.00	201.00	200.00	1.44	1.44	95.37	-18.80	200.10	200.98	197.67	3.32	60.610			
300.00	300.00	301.00	300.00	1.88	1.89	95.37	-18.80	200.10	200.98	196.78	4.20	47.865			
400.00	400.00	401.00	400.00	2.25	2.25	95.37	-18.80	200.10	200.98	196.07	4.92	40.891			
500.00	500.00	501.00	500.00	2.56	2.56	95.37	-18.80	200.10	200.98	195.45	5.54	36.306			
600.00	600.00	601.00	600.00	2.84	2.85	95.37	-18.80	200.10	200.98	194.89	6.09	32.987			
700.00	700.00	701.00	700.00	3.10	3.11	95.37	-18.80	200.10	200.98	194.38	6.60	30.435			
800.00	800.00	801.00	800.00	3.34	3.35	95.37	-18.80	200.10	200.98	193.90	7.08	28.392			
900.00	900.00	901.00	900.00	3.57	3.57	95.37	-18.80	200.10	200.98	193.46	7.53	26.706			
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	95.37	-18.80	200.10	200.98	193.03	7.95	25.282			
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	95.37	-18.80	200.10	200.98	192.63	8.35	24.059			
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	95.37	-18.80	200.10	200.98	192.24	8.74	22.992			
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	95.37	-18.80	200.10	200.98	191.87	9.11	22.051			
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	95.37	-18.80	200.10	200.98	191.51	9.48	21.212			
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	95.37	-18.80	200.10	200.98	191.16	9.82	20.457			
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	95.37	-18.80	200.10	200.98	190.82	10.16	19.774			
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	95.37	-18.80	200.10	200.98	190.49	10.49	19.151			
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	95.37	-18.80	200.10	200.98	190.16	10.82	18.580			
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	95.37	-18.80	200.10	200.98	189.85	11.13	18.054			
2,000.00	2,000.00	2,001.07	2,000.07	5.56	5.56	95.37	-18.80	200.10	200.98	189.54	11.44	17.565			
2,100.00	2,099.98	2,108.56	2,107.53	5.79	5.81	176.71	-18.37	198.09	200.82	188.92	11.91	16.869			
2,200.00	2,199.84	2,216.03	2,214.83	6.01	6.05	176.60	-17.08	192.14	200.43	188.07	12.35	16.226			
2,300.00	2,299.45	2,323.48	2,321.79	6.26	6.32	176.41	-14.95	182.27	199.79	186.97	12.82	15.580			
2,400.00	2,398.70	2,430.88	2,428.26	6.52	6.61	176.14	-11.98	168.48	198.92	185.60	13.32	14.929			
2,499.94	2,497.41	2,538.18	2,534.02	6.80	6.89	175.79	-8.17	150.83	197.83	183.99	13.83	14.301			
2,600.00	2,595.95	2,640.72	2,634.54	7.04	7.13	175.37	-3.91	131.08	195.56	181.29	14.28	13.698			
2,700.00	2,694.43	2,740.68	2,732.50	7.29	7.39	174.95	0.30	111.60	193.10	178.29	14.80	13.045			
2,800.00	2,792.91	2,840.63	2,830.45	7.56	7.68	174.51	4.50	92.12	190.64	175.28	15.36	12.411			
2,900.00	2,891.39	2,940.59	2,928.40	7.84	7.98	174.06	8.70	72.64	188.19	172.24	15.95	11.797			
3,000.00	2,989.87	3,040.55	3,026.35	8.15	8.30	173.59	12.90	53.16	185.76	169.19	16.57	11.209			
3,100.00	3,088.35	3,140.51	3,124.31	8.46	8.63	173.12	17.11	33.68	183.34	166.12	17.22	10.648			
3,200.00	3,186.83	3,240.47	3,222.26	8.79	8.97	172.63	21.31	14.20	180.93	163.05	17.89	10.116			
3,300.00	3,285.31	3,340.43	3,320.21	9.13	9.33	172.13	25.51	-5.28	178.54	159.97	18.57	9.613			
3,400.00	3,383.80	3,440.39	3,418.16	9.48	9.69	171.62	29.71	-24.76	176.16	156.88	19.27	9.140			
3,500.00	3,482.28	3,540.35	3,516.12	9.84	10.06	171.09	33.92	-44.24	173.79	153.80	19.99	8.694			
3,600.00	3,580.76	3,640.31	3,614.07	10.21	10.44	170.55	38.12	-63.72	171.44	150.72	20.72	8.275			
3,700.00	3,679.24	3,740.27	3,712.02	10.58	10.83	169.99	42.32	-83.20	169.11	147.65	21.45	7.882			
3,800.00	3,777.72	3,840.22	3,809.97	10.96	11.23	169.42	46.53	-102.68	166.79	144.59	22.20	7.514			
3,900.00	3,876.20	3,940.18	3,907.93	11.35	11.63	168.83	50.73	-122.16	164.49	141.54	22.95	7.168			
4,000.00	3,974.68	4,040.14	4,005.88	11.74	12.03	168.22	54.93	-141.64	162.20	138.50	23.70	6.844			
4,100.00	4,073.16	4,140.10	4,103.83	12.13	12.44	167.60	59.13	-161.12	159.94	135.48	24.46	6.539			
4,200.00	4,171.64	4,240.06	4,201.78	12.53	12.86	166.96	63.34	-180.60	157.69	132.48	25.22	6.254			
4,300.00	4,270.13	4,340.02	4,299.74	12.93	13.28	166.30	67.54	-200.08	155.47	129.49	25.97	5.985			
4,400.00	4,368.61	4,439.98	4,397.69	13.34	13.70	165.62	71.74	-219.56	153.26	126.53	26.73	5.733			
4,500.00	4,467.09	4,539.94	4,495.64	13.75	14.12	164.92	75.95	-239.04	151.08	123.60	27.49	5.497			
4,600.00	4,565.57	4,639.90	4,593.59	14.16	14.55	164.21	80.15	-258.52	148.92	120.69	28.24	5.274			
4,700.00	4,664.05	4,739.86	4,691.55	14.58	14.98	163.47	84.35	-278.00	146.79	117.81	28.98	5.065			
4,800.00	4,762.53	4,839.81	4,789.50	15.00	15.41	162.71	88.55	-297.48	144.68	114.96	29.72	4.868			
4,900.00	4,861.01	4,939.77	4,887.45	15.42	15.85	161.92	92.76	-316.96	142.59	112.14	30.45	4.683			
5,000.00	4,959.49	5,039.73	4,985.40	15.84	16.28	161.12	96.96	-336.44	140.54	109.37	31.17	4.509			

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9180-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
5,100.00	5,057.97	5,139.69	5,083.36	16.26	16.72	160.29	101.16	-355.92	138.51	106.63	31.88	4.344	
5,200.00	5,156.46	5,239.65	5,181.31	16.69	17.16	159.43	105.37	-375.40	136.51	103.93	32.58	4.190	
5,300.00	5,254.94	5,339.61	5,279.26	17.11	17.60	158.55	109.57	-394.88	134.55	101.28	33.27	4.044	
5,400.00	5,353.42	5,439.57	5,377.21	17.54	18.05	157.65	113.77	-414.36	132.61	98.68	33.94	3.908	
5,500.00	5,451.90	5,538.30	5,474.00	17.97	18.54	156.77	117.88	-433.39	130.91	96.25	34.66	3.777	
5,541.29	5,492.56	5,578.36	5,513.38	18.15	18.77	156.51	119.43	-440.59	130.72	95.71	35.01	3.734 CC	
5,600.00	5,550.38	5,635.33	5,569.50	18.40	19.05	156.30	121.49	-450.14	131.11	95.65	35.46	3.697 ES	
5,624.17	5,574.18	5,658.78	5,592.65	18.50	19.15	156.26	122.29	-453.83	131.49	95.86	35.63	3.690	
5,700.00	5,648.95	5,732.33	5,665.38	18.82	19.47	156.24	124.59	-464.50	133.11	96.92	36.19	3.678	
5,800.00	5,747.78	5,829.25	5,761.53	19.24	19.87	156.39	127.17	-476.47	135.81	98.88	36.93	3.677 SF	
5,900.00	5,846.87	5,926.09	5,857.87	19.65	20.25	156.72	129.24	-486.04	139.18	101.52	37.66	3.696	
6,000.00	5,946.18	6,022.81	5,954.30	20.05	20.61	157.20	130.79	-493.22	143.21	104.84	38.37	3.732	
6,100.00	6,045.68	6,119.38	6,050.74	20.44	20.94	157.83	131.82	-498.00	147.92	108.86	39.05	3.787	
6,200.00	6,145.33	6,215.78	6,147.11	20.81	21.20	158.58	132.33	-500.39	153.30	113.63	39.67	3.864	
6,300.00	6,245.12	6,313.78	6,245.12	21.17	21.28	159.39	132.40	-500.70	159.10	118.94	40.16	3.962	
6,400.00	6,345.00	6,413.67	6,345.00	21.50	21.31	160.00	132.40	-500.70	163.58	122.97	40.61	4.028	
6,500.00	6,444.96	6,513.62	6,444.96	21.80	21.35	160.37	132.40	-500.70	166.44	125.44	41.00	4.060	
6,600.00	6,544.95	6,613.61	6,544.95	22.04	21.39	160.52	132.40	-500.70	167.66	126.37	41.29	4.060	
6,624.05	6,569.00	6,637.67	6,569.00	22.06	21.40	79.14	132.40	-500.70	167.70	126.38	41.32	4.058	
6,700.00	6,644.95	6,713.61	6,644.95	22.08	21.43	79.14	132.40	-500.70	167.70	126.33	41.37	4.053	
6,800.00	6,744.95	6,813.61	6,744.95	22.11	21.47	79.14	132.40	-500.70	167.70	126.25	41.45	4.046	
6,900.00	6,844.95	6,913.61	6,844.95	22.15	21.50	79.14	132.40	-500.70	167.70	126.18	41.53	4.038	
7,000.00	6,944.95	7,013.61	6,944.95	22.19	21.54	79.14	132.40	-500.70	167.70	126.10	41.61	4.031	
7,100.00	7,044.95	7,113.61	7,044.95	22.22	21.58	79.14	132.40	-500.70	167.70	126.02	41.68	4.023	
7,200.00	7,144.95	7,213.61	7,144.95	22.26	21.62	79.14	132.40	-500.70	167.70	125.94	41.76	4.016	
7,300.00	7,244.95	7,313.61	7,244.95	22.30	21.66	79.14	132.40	-500.70	167.70	125.86	41.84	4.008	
7,400.00	7,344.95	7,413.61	7,344.95	22.33	21.70	79.14	132.40	-500.70	167.70	125.78	41.92	4.001	
7,500.00	7,444.95	7,513.61	7,444.95	22.37	21.74	79.14	132.40	-500.70	167.70	125.70	42.00	3.993	
7,600.00	7,544.95	7,613.61	7,544.95	22.41	21.78	79.14	132.40	-500.70	167.70	125.62	42.08	3.985	
7,700.00	7,644.95	7,713.61	7,644.95	22.44	21.82	79.14	132.40	-500.70	167.70	125.54	42.16	3.978	
7,800.00	7,744.95	7,813.61	7,744.95	22.48	21.86	79.14	132.40	-500.70	167.70	125.46	42.24	3.970	
7,900.00	7,844.95	7,913.61	7,844.95	22.52	21.90	79.14	132.40	-500.70	167.70	125.38	42.33	3.962	
8,000.00	7,944.95	8,013.61	7,944.95	22.56	21.94	79.14	132.40	-500.70	167.70	125.30	42.41	3.955	
8,100.00	8,044.95	8,113.61	8,044.95	22.60	21.99	79.14	132.40	-500.70	167.70	125.21	42.49	3.947	
8,200.00	8,144.95	8,213.61	8,144.95	22.64	22.03	79.14	132.40	-500.70	167.70	125.13	42.57	3.939	
8,300.00	8,244.95	8,313.61	8,244.95	22.67	22.07	79.14	132.40	-500.70	167.70	125.05	42.66	3.931	
8,400.00	8,344.95	8,413.61	8,344.95	22.71	22.11	79.14	132.40	-500.70	167.70	124.96	42.74	3.924	
8,500.00	8,444.95	8,513.61	8,444.95	22.75	22.15	79.14	132.40	-500.70	167.70	124.88	42.83	3.916	
8,600.00	8,544.95	8,613.61	8,544.95	22.79	22.20	79.14	132.40	-500.70	167.70	124.79	42.91	3.908	
8,700.00	8,644.95	8,713.61	8,644.95	22.83	22.24	79.14	132.40	-500.70	167.70	124.71	43.00	3.900	
8,800.00	8,744.95	8,813.61	8,744.95	22.87	22.28	79.14	132.40	-500.70	167.70	124.62	43.08	3.893	
8,900.00	8,844.95	8,913.61	8,844.95	22.91	22.32	79.14	132.40	-500.70	167.70	124.53	43.17	3.885	
9,000.00	8,944.95	9,013.61	8,944.95	22.95	22.37	79.14	132.40	-500.70	167.70	124.45	43.26	3.877	
9,100.00	9,044.95	9,113.61	9,044.95	22.99	22.41	79.14	132.40	-500.70	167.70	124.36	43.34	3.869	
9,100.33	9,045.27	9,113.94	9,045.27	22.99	22.41	79.14	132.40	-500.70	167.70	124.36	43.34	3.869	
9,200.00	9,144.95	9,211.51	9,142.82	23.04	22.43	78.80	133.43	-500.70	167.91	124.63	43.29	3.879	
9,300.00	9,244.95	9,302.62	9,232.62	23.08	22.44	74.00	148.01	-500.72	171.76	129.62	42.14	4.076	
9,400.00	9,344.95	9,385.54	9,310.60	23.12	22.45	65.49	175.87	-500.75	184.19	144.55	39.64	4.646	
9,500.00	9,444.95	9,457.14	9,373.21	23.16	22.46	56.32	210.49	-500.79	210.41	173.80	36.61	5.747	
9,600.00	9,544.95	9,517.05	9,421.13	23.20	22.47	48.51	246.37	-500.83	252.20	217.79	34.41	7.329	
9,700.00	9,644.95	9,566.44	9,457.01	23.24	22.49	42.51	280.28	-500.87	307.58	274.11	33.47	9.189	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Reference	Depth (usft)	Offset	Depth (usft)	Reference	Offset	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)
9,800.00	9,744.95	9,607.06	9,483.76	23.29	22.50	38.07	310.82	-500.91	373.34	339.93	33.41	11.174	
9,900.00	9,844.95	9,640.58	9,503.83	23.33	22.52	34.77	337.68	-500.94	446.68	412.90	33.78	13.222	
10,000.00	9,944.95	9,668.47	9,519.05	23.37	22.53	32.29	361.04	-500.97	525.50	491.18	34.32	15.310	
10,100.00	10,044.95	9,691.89	9,530.75	23.41	22.54	30.37	381.32	-500.99	608.37	573.46	34.91	17.426	
10,200.00	10,144.95	9,711.74	9,539.89	23.46	22.55	28.87	398.94	-501.01	694.26	658.77	35.50	19.559	
10,300.00	10,244.95	9,725.00	9,545.58	23.50	22.56	27.93	410.92	-501.02	782.50	746.41	36.08	21.685	
10,329.59	10,274.54	9,733.28	9,548.97	23.50	22.57	27.36	418.47	-501.03	808.94	772.75	36.19	22.353	
10,350.00	10,294.94	9,736.45	9,550.23	23.50	22.57	25.11	421.39	-501.04	827.10	790.81	36.30	22.786	
10,375.00	10,319.88	9,740.62	9,551.86	23.51	22.57	22.71	425.22	-501.04	848.95	812.52	36.43	23.302	
10,400.00	10,344.69	9,750.00	9,555.40	23.51	22.58	20.52	433.90	-501.05	870.36	833.82	36.54	23.819	
10,425.00	10,369.31	9,750.00	9,555.40	23.51	22.58	19.00	433.90	-501.05	891.17	854.47	36.70	24.282	
10,450.00	10,393.67	9,750.00	9,555.40	23.51	22.58	17.68	433.90	-501.05	911.51	874.65	36.86	24.730	
10,475.00	10,417.71	9,759.84	9,558.93	23.52	22.59	16.31	443.09	-501.06	931.19	894.22	36.97	25.189	
10,500.00	10,441.35	9,765.20	9,560.78	23.52	22.59	15.24	448.12	-501.07	950.30	913.20	37.10	25.614	
10,525.00	10,464.54	9,775.00	9,564.00	23.52	22.60	14.24	457.38	-501.08	968.79	931.58	37.21	26.034	
10,550.00	10,487.20	9,775.00	9,564.00	23.52	22.60	13.51	457.38	-501.08	986.57	949.20	37.37	26.403	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP2													Offset Site Error: 0.00 usft	
Survey Program:		0-r.5 MWD+IFR1+SAG+FDIR, 1500-r.5 MWD+IFR1, 9495-r.5 MWD+IFR1+SAG+FDIR							Rule Assigned:				Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		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)	Ellipses (usft)	Distance (usft)			
0.00	0.00	1.00	0.00	0.00	0.01	100.94	-38.70	200.30	204.00					
100.00	100.00	101.00	100.00	0.77	0.77	100.94	-38.70	200.30	204.00	202.01	2.00	102.112		
200.00	200.00	201.00	200.00	1.44	1.44	100.94	-38.70	200.30	204.00	200.69	3.32	61.522		
300.00	300.00	301.00	300.00	1.88	1.89	100.94	-38.70	200.30	204.00	199.81	4.20	48.585		
400.00	400.00	401.00	400.00	2.25	2.25	100.94	-38.70	200.30	204.00	199.09	4.92	41.506		
500.00	500.00	501.00	500.00	2.56	2.56	100.94	-38.70	200.30	204.00	198.47	5.54	36.852		
600.00	600.00	601.00	600.00	2.84	2.85	100.94	-38.70	200.30	204.00	197.91	6.09	33.483		
700.00	700.00	701.00	700.00	3.10	3.11	100.94	-38.70	200.30	204.00	197.40	6.60	30.893		
800.00	800.00	801.00	800.00	3.34	3.35	100.94	-38.70	200.30	204.00	196.93	7.08	28.819		
900.00	900.00	901.00	900.00	3.57	3.57	100.94	-38.70	200.30	204.00	196.48	7.53	27.107		
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	100.94	-38.70	200.30	204.00	196.05	7.95	25.663		
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	100.94	-38.70	200.30	204.00	195.65	8.35	24.421		
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	100.94	-38.70	200.30	204.00	195.26	8.74	23.338		
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	100.94	-38.70	200.30	204.00	194.89	9.11	22.382		
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	100.94	-38.70	200.30	204.00	194.53	9.48	21.531		
1,500.00	1,500.00	1,501.07	1,500.07	4.74	4.74	100.94	-38.70	200.30	204.00	194.18	9.83	20.763		
1,600.00	1,600.00	1,607.86	1,606.83	4.91	5.02	101.19	-39.23	198.34	202.30	192.05	10.25	19.737		
1,700.00	1,700.00	1,714.35	1,713.15	5.08	5.30	101.96	-40.77	192.56	197.27	186.61	10.66	18.513		
1,800.00	1,800.00	1,820.25	1,818.59	5.24	5.60	103.32	-43.33	183.03	189.00	177.94	11.06	17.091		
1,900.00	1,900.00	1,925.28	1,922.72	5.40	5.91	105.42	-46.86	169.86	177.67	166.21	11.46	15.506		
2,000.00	2,000.00	2,029.18	2,025.17	5.56	6.25	108.52	-51.31	153.23	163.54	151.69	11.85	13.803		
2,100.00	2,099.98	2,132.02	2,125.91	5.79	6.60	-165.82	-56.67	133.23	148.75	136.47	12.28	12.114		
2,200.00	2,199.84	2,234.08	2,225.07	6.01	6.96	-160.13	-62.91	109.95	135.58	122.91	12.67	10.703		
2,300.00	2,299.45	2,335.32	2,322.54	6.26	7.32	-152.85	-70.00	83.50	124.78	111.80	12.98	9.613		
2,400.00	2,398.70	2,434.45	2,417.16	6.52	7.63	-144.34	-77.64	54.96	117.67	104.47	13.20	8.917		
2,499.94	2,497.41	2,535.01	2,513.08	6.80	7.96	-136.06	-84.85	25.65	115.37	101.96	13.41	8.602		
2,600.00	2,595.95	2,637.72	2,611.09	7.04	8.32	-128.71	-88.90	-4.80	113.60	99.96	13.65	8.324		
2,700.00	2,694.43	2,737.79	2,706.52	7.29	8.67	-121.79	-90.25	-34.85	111.14	97.27	13.86	8.016		
2,800.00	2,792.91	2,836.84	2,800.99	7.56	9.06	-114.75	-91.46	-64.61	110.22	96.09	14.14	7.796		
2,804.45	2,797.29	2,841.24	2,805.19	7.57	9.08	-114.43	-91.51	-65.93	110.22	96.07	14.15	7.788 CC, ES		
2,900.00	2,891.39	2,935.89	2,895.45	7.84	9.46	-107.70	-92.66	-94.37	111.02	96.56	14.46	7.678		
3,000.00	2,989.87	3,034.93	2,989.91	8.15	9.86	-100.85	-93.87	-124.13	113.49	98.64	14.85	7.640 SF		
3,100.00	3,088.35	3,133.98	3,084.38	8.46	10.28	-94.37	-95.08	-153.89	117.53	102.19	15.34	7.660		
3,200.00	3,186.83	3,233.03	3,178.84	8.79	10.70	-88.39	-96.28	-183.65	122.98	107.05	15.93	7.720		
3,300.00	3,285.31	3,332.08	3,273.31	9.13	11.14	-82.96	-97.49	-213.42	129.67	113.06	16.61	7.807		
3,400.00	3,383.80	3,431.13	3,367.77	9.48	11.57	-78.09	-98.70	-243.18	137.42	120.06	17.36	7.916		
3,500.00	3,482.28	3,530.18	3,462.24	9.84	12.02	-73.77	-99.90	-272.94	146.05	127.88	18.17	8.040		
3,600.00	3,580.76	3,629.23	3,556.70	10.21	12.46	-69.94	-101.11	-302.70	155.42	136.41	19.01	8.175		
3,700.00	3,679.24	3,728.28	3,651.17	10.58	12.92	-66.56	-102.32	-332.46	165.41	145.52	19.89	8.318		
3,800.00	3,777.72	3,827.33	3,745.63	10.96	13.37	-63.57	-103.52	-362.22	175.91	155.13	20.78	8.466		
3,900.00	3,876.20	3,926.38	3,840.09	11.35	13.83	-60.92	-104.73	-391.99	186.83	165.14	21.68	8.616		
4,000.00	3,974.68	4,025.43	3,934.56	11.74	14.30	-58.56	-105.94	-421.75	198.10	175.51	22.59	8.767		
4,100.00	4,073.16	4,124.48	4,029.02	12.13	14.76	-56.46	-107.15	-451.51	209.67	186.16	23.51	8.918		
4,200.00	4,171.64	4,223.53	4,123.49	12.53	15.23	-54.58	-108.35	-481.27	221.49	197.06	24.43	9.065		
4,300.00	4,270.13	4,322.57	4,217.95	12.93	15.70	-52.89	-109.56	-511.03	233.52	208.17	25.35	9.210		
4,400.00	4,368.61	4,421.62	4,312.42	13.34	16.18	-51.37	-110.77	-540.79	245.74	219.46	26.28	9.352		
4,500.00	4,467.09	4,520.67	4,406.88	13.75	16.65	-49.99	-111.97	-570.55	258.11	230.91	27.20	9.489		
4,600.00	4,565.57	4,619.72	4,501.35	14.16	17.13	-48.74	-113.18	-600.32	270.61	242.49	28.12	9.622		
4,700.00	4,664.05	4,718.77	4,595.81	14.58	17.61	-47.60	-114.39	-630.08	283.23	254.18	29.05	9.750		
4,800.00	4,762.53	4,817.82	4,690.28	15.00	18.09	-46.56	-115.59	-659.84	295.95	265.98	29.97	9.874		
4,900.00	4,861.01	4,916.87	4,784.74	15.42	18.58	-45.60	-116.80	-689.60	308.76	277.86	30.90	9.993		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 1500-r.5 MWD+IFR1, 9495-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		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	
5,000.00	4,959.49	5,015.92	4,879.20	15.84	19.06	-44.72	-118.01	-719.36	321.65	289.83	31.82	10.108	
5,100.00	5,057.97	5,114.97	4,973.67	16.26	19.54	-43.90	-119.21	-749.12	334.61	301.86	32.74	10.219	
5,200.00	5,156.46	5,214.02	5,068.13	16.69	20.03	-43.15	-120.42	-778.88	347.62	313.96	33.67	10.325	
5,300.00	5,254.94	5,313.07	5,162.60	17.11	20.52	-42.45	-121.63	-808.65	360.70	326.11	34.59	10.428	
5,400.00	5,353.42	5,412.12	5,257.06	17.54	21.01	-41.80	-122.83	-838.41	373.82	338.31	35.51	10.526	
5,500.00	5,451.90	5,511.17	5,351.53	17.97	21.50	-41.20	-124.04	-868.17	386.99	350.55	36.44	10.620	
5,600.00	5,550.38	5,610.21	5,445.99	18.40	21.99	-40.63	-125.25	-897.93	400.19	362.83	37.36	10.711	
5,624.17	5,574.18	5,634.15	5,468.82	18.50	22.11	-40.50	-125.54	-905.12	403.39	365.81	37.58	10.735	
5,700.00	5,648.95	5,709.20	5,540.39	18.82	22.48	-40.13	-126.45	-927.67	413.81	375.54	38.28	10.811	
5,800.00	5,747.78	5,807.95	5,634.57	19.24	22.97	-39.54	-127.66	-957.34	428.77	389.54	39.23	10.930	
5,900.00	5,846.87	5,906.43	5,728.49	19.65	23.46	-38.87	-128.86	-986.93	445.12	404.92	40.20	11.073	
6,000.00	5,946.18	6,004.60	5,822.12	20.05	23.95	-38.12	-130.05	-1,016.43	462.90	421.72	41.18	11.241	
6,100.00	6,045.68	6,102.45	5,915.44	20.44	24.44	-37.32	-131.24	-1,045.83	482.14	439.97	42.17	11.433	
6,200.00	6,145.33	6,199.93	6,008.41	20.81	24.93	-36.48	-132.43	-1,075.12	502.87	459.70	43.16	11.650	
6,300.00	6,245.12	6,301.76	6,105.57	21.17	25.42	-35.56	-133.67	-1,105.59	525.00	480.82	44.18	11.882	
6,400.00	6,345.00	6,419.29	6,218.68	21.50	26.02	-34.60	-134.96	-1,137.48	546.08	500.77	45.31	12.052	
6,500.00	6,444.96	6,538.53	6,334.66	21.80	26.61	-33.77	-136.08	-1,165.07	564.96	518.65	46.31	12.200	
6,600.00	6,544.95	6,659.32	6,453.23	22.04	27.19	-33.06	-137.01	-1,188.08	581.55	534.39	47.16	12.330	
6,624.05	6,569.00	6,688.59	6,482.10	22.06	27.32	-114.28	-137.21	-1,192.90	585.20	537.87	47.33	12.364	
6,700.00	6,644.95	6,781.57	6,574.11	22.08	27.74	-113.80	-137.75	-1,206.26	595.36	547.59	47.76	12.465	
6,800.00	6,744.95	6,905.17	6,697.00	22.11	28.26	-113.34	-138.28	-1,219.38	605.27	557.06	48.21	12.554	
6,900.00	6,844.95	7,029.68	6,821.25	22.15	28.71	-113.08	-138.60	-1,227.24	611.18	562.69	48.49	12.605	
7,000.00	6,944.95	7,153.41	6,944.95	22.19	29.00	-113.00	-138.70	-1,229.70	613.02	564.52	48.50	12.639	
7,100.00	7,044.95	7,253.41	7,044.95	22.22	29.02	-113.00	-138.70	-1,229.70	613.02	564.47	48.56	12.625	
7,200.00	7,144.95	7,353.41	7,144.95	22.26	29.04	-113.00	-138.70	-1,229.70	613.02	564.40	48.62	12.609	
7,300.00	7,244.95	7,453.41	7,244.95	22.30	29.07	-113.00	-138.70	-1,229.70	613.02	564.34	48.68	12.592	
7,400.00	7,344.95	7,553.41	7,344.95	22.33	29.09	-113.00	-138.70	-1,229.70	613.02	564.27	48.75	12.575	
7,500.00	7,444.95	7,653.41	7,444.95	22.37	29.12	-113.00	-138.70	-1,229.70	613.02	564.21	48.81	12.559	
7,600.00	7,544.95	7,753.41	7,544.95	22.41	29.14	-113.00	-138.70	-1,229.70	613.02	564.14	48.88	12.542	
7,700.00	7,644.95	7,853.41	7,644.95	22.44	29.17	-113.00	-138.70	-1,229.70	613.02	564.08	48.94	12.525	
7,800.00	7,744.95	7,953.41	7,744.95	22.48	29.19	-113.00	-138.70	-1,229.70	613.02	564.01	49.01	12.508	
7,900.00	7,844.95	8,053.41	7,844.95	22.52	29.22	-113.00	-138.70	-1,229.70	613.02	563.94	49.08	12.491	
8,000.00	7,944.95	8,153.41	7,944.95	22.56	29.24	-113.00	-138.70	-1,229.70	613.02	563.88	49.14	12.474	
8,100.00	8,044.95	8,253.41	8,044.95	22.60	29.27	-113.00	-138.70	-1,229.70	613.02	563.81	49.21	12.457	
8,200.00	8,144.95	8,353.41	8,144.95	22.64	29.30	-113.00	-138.70	-1,229.70	613.02	563.74	49.28	12.440	
8,300.00	8,244.95	8,453.41	8,244.95	22.67	29.32	-113.00	-138.70	-1,229.70	613.02	563.67	49.35	12.423	
8,400.00	8,344.95	8,553.41	8,344.95	22.71	29.35	-113.00	-138.70	-1,229.70	613.02	563.61	49.42	12.405	
8,500.00	8,444.95	8,653.41	8,444.95	22.75	29.38	-113.00	-138.70	-1,229.70	613.02	563.54	49.49	12.388	
8,600.00	8,544.95	8,753.41	8,544.95	22.79	29.41	-113.00	-138.70	-1,229.70	613.02	563.47	49.55	12.371	
8,700.00	8,644.95	8,853.41	8,644.95	22.83	29.43	-113.00	-138.70	-1,229.70	613.02	563.40	49.62	12.353	
8,800.00	8,744.95	8,953.41	8,744.95	22.87	29.46	-113.00	-138.70	-1,229.70	613.02	563.33	49.70	12.336	
8,900.00	8,844.95	9,053.41	8,844.95	22.91	29.49	-113.00	-138.70	-1,229.70	613.02	563.25	49.77	12.318	
9,000.00	8,944.95	9,153.41	8,944.95	22.95	29.52	-113.00	-138.70	-1,229.70	613.02	563.18	49.84	12.300	
9,100.00	9,044.95	9,253.41	9,044.95	22.99	29.55	-113.00	-138.70	-1,229.70	613.02	563.11	49.91	12.283	
9,200.00	9,144.95	9,353.41	9,144.95	23.04	29.57	-113.00	-138.70	-1,229.70	613.02	563.04	49.98	12.265	
9,300.00	9,244.95	9,453.41	9,244.95	23.08	29.60	-113.00	-138.70	-1,229.70	613.02	562.97	50.05	12.248	
9,400.00	9,344.95	9,616.57	9,406.74	23.12	29.62	-111.63	-122.80	-1,229.42	609.87	560.51	49.35	12.357	
9,500.00	9,444.95	9,785.58	9,559.15	23.16	29.64	-105.18	-51.84	-1,228.18	594.20	544.87	49.33	12.045	
9,600.00	9,544.95	9,899.48	9,643.67	23.20	29.66	-97.78	24.09	-1,226.86	575.21	524.72	50.49	11.394	
9,700.00	9,644.95	9,973.54	9,687.97	23.24	29.68	-91.78	83.34	-1,225.82	562.34	510.31	52.04	10.807	
9,759.02	9,703.97	10,005.14	9,703.97	23.27	29.69	-89.00	110.57	-1,225.35	560.03	507.16	52.88	10.591	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 1500-r.5 MWD+IFR1, 9495-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		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	
9,800.00	9,744.95	10,023.34	9,712.36	23.29	29.70	-87.35	126.72	-1,225.07	561.21	507.85	53.36	10.517	
9,900.00	9,844.95	10,058.40	9,726.76	23.33	29.72	-84.09	158.68	-1,224.51	574.39	520.28	54.11	10.615	
10,000.00	9,944.95	10,084.18	9,735.83	23.37	29.74	-81.65	182.80	-1,224.09	602.15	547.96	54.19	11.112	
10,100.00	10,044.95	10,100.00	9,740.75	23.41	29.75	-80.14	197.83	-1,223.83	643.26	589.51	53.76	11.966	
10,200.00	10,144.95	10,125.00	9,747.50	23.46	29.76	-77.76	221.90	-1,223.41	695.70	642.75	52.95	13.140	
10,300.00	10,244.95	10,131.64	9,749.08	23.50	29.77	-77.12	228.35	-1,223.29	757.23	705.14	52.09	14.536	
10,329.59	10,274.54	10,134.86	9,749.81	23.50	29.77	-76.82	231.48	-1,223.24	776.92	724.91	52.01	14.938	
10,350.00	10,294.94	10,137.16	9,750.32	23.50	29.77	-74.34	233.73	-1,223.20	790.76	738.93	51.83	15.257	
10,375.00	10,319.88	10,140.39	9,751.02	23.51	29.78	-71.37	236.88	-1,223.14	807.84	756.22	51.62	15.650	
10,400.00	10,344.69	10,150.00	9,752.98	23.51	29.78	-67.90	246.29	-1,222.98	825.05	773.65	51.40	16.052	
10,425.00	10,369.31	10,150.00	9,752.98	23.51	29.78	-65.31	246.29	-1,222.98	842.17	790.95	51.22	16.442	
10,450.00	10,393.67	10,150.00	9,752.98	23.51	29.78	-62.78	246.29	-1,222.98	859.28	808.23	51.05	16.831	
10,475.00	10,417.71	10,150.00	9,752.98	23.52	29.78	-60.31	246.29	-1,222.98	876.35	825.45	50.90	17.218	
10,500.00	10,441.35	10,162.04	9,755.16	23.52	29.79	-57.16	258.12	-1,222.77	893.13	842.41	50.72	17.608	
10,525.00	10,464.54	10,167.28	9,756.01	23.52	29.80	-54.63	263.29	-1,222.68	909.76	859.18	50.57	17.988	
10,550.00	10,487.20	10,175.00	9,757.17	23.52	29.80	-52.12	270.92	-1,222.55	926.14	875.70	50.43	18.364	
10,575.00	10,509.28	10,175.00	9,757.17	23.53	29.80	-50.16	270.92	-1,222.55	942.21	891.89	50.32	18.724	
10,600.00	10,530.72	10,184.44	9,758.42	23.53	29.81	-47.88	280.28	-1,222.39	957.91	907.72	50.20	19.083	
10,625.00	10,551.46	10,190.58	9,759.13	23.53	29.82	-45.92	286.38	-1,222.28	973.24	923.15	50.09	19.429	
10,650.00	10,571.43	10,200.00	9,760.07	23.54	29.83	-43.98	295.75	-1,222.12	988.16	938.17	49.99	19.768	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	Rule Assigned:				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
0.00	0.00	0.10	0.00	0.00	0.00	179.52	-60.00	0.50	60.00				
100.00	100.00	100.10	100.00	0.77	0.77	179.52	-60.00	0.50	60.00	58.01	1.99	30.123	
200.00	200.00	200.10	200.00	1.44	1.44	179.52	-60.00	0.50	60.00	56.69	3.31	18.117	
300.00	300.00	300.10	300.00	1.88	1.88	179.52	-60.00	0.50	60.00	55.81	4.20	14.301	
400.00	400.00	400.10	400.00	2.25	2.25	179.52	-60.00	0.50	60.00	55.09	4.91	12.215	
500.00	500.00	500.10	500.00	2.56	2.56	179.52	-60.00	0.50	60.00	54.47	5.53	10.844	
600.00	600.00	600.10	600.00	2.84	2.84	179.52	-60.00	0.50	60.00	53.91	6.09	9.852	
700.00	700.00	700.10	700.00	3.10	3.10	179.52	-60.00	0.50	60.00	53.40	6.60	9.089	
800.00	800.00	800.10	800.00	3.34	3.34	179.52	-60.00	0.50	60.00	52.93	7.08	8.479	
900.00	900.00	900.10	900.00	3.57	3.57	179.52	-60.00	0.50	60.00	52.48	7.52	7.975	
1,000.00	1,000.00	1,000.10	1,000.00	3.79	3.79	179.52	-60.00	0.50	60.00	52.05	7.95	7.550	
1,100.00	1,100.00	1,100.10	1,100.00	3.99	3.99	179.52	-60.00	0.50	60.00	51.65	8.35	7.184	
1,200.00	1,200.00	1,200.10	1,200.00	4.19	4.19	179.52	-60.00	0.50	60.00	51.26	8.74	6.866	
1,300.00	1,300.00	1,300.10	1,300.00	4.38	4.38	179.52	-60.00	0.50	60.00	50.89	9.11	6.584	
1,400.00	1,400.00	1,400.10	1,400.00	4.56	4.56	179.52	-60.00	0.50	60.00	50.53	9.47	6.334	
1,500.00	1,500.00	1,500.10	1,500.00	4.74	4.74	179.52	-60.00	0.50	60.00	50.18	9.82	6.108	
1,600.00	1,600.00	1,600.10	1,600.00	4.91	4.91	179.52	-60.00	0.50	60.00	49.84	10.16	5.904	
1,700.00	1,700.00	1,700.10	1,700.00	5.08	5.08	179.52	-60.00	0.50	60.00	49.51	10.49	5.718	
1,800.00	1,800.00	1,800.10	1,800.00	5.24	5.24	179.52	-60.00	0.50	60.00	49.19	10.82	5.548	
1,900.00	1,900.00	1,900.10	1,900.00	5.40	5.40	179.52	-60.00	0.50	60.00	48.87	11.13	5.391	
2,000.00	2,000.00	2,000.10	2,000.00	5.56	5.56	179.52	-60.00	0.50	60.00	48.56	11.44	5.245 CC, ES	
2,100.00	2,099.98	2,100.08	2,099.98	5.79	5.70	-100.72	-60.00	0.50	60.30	48.58	11.72	5.144	
2,200.00	2,199.84	2,199.94	2,199.84	6.01	5.83	-105.49	-60.00	0.50	61.49	49.51	11.99	5.131 SF	
2,300.00	2,299.45	2,299.55	2,299.45	6.26	5.95	-112.91	-60.00	0.50	64.37	52.11	12.27	5.247	
2,400.00	2,398.70	2,398.80	2,398.70	6.52	6.08	-121.98	-60.00	0.50	70.04	57.45	12.60	5.560	
2,499.94	2,497.41	2,497.51	2,497.41	6.80	6.20	-131.38	-60.00	0.50	79.49	66.50	12.99	6.120	
2,600.00	2,595.95	2,594.31	2,594.20	7.04	6.39	-140.14	-59.81	2.04	92.88	79.47	13.41	6.925	
2,700.00	2,694.43	2,689.72	2,689.48	7.29	6.59	-147.83	-59.22	6.73	110.13	96.26	13.87	7.941	
2,800.00	2,792.91	2,783.63	2,783.07	7.56	6.79	-154.28	-58.25	14.42	131.28	116.93	14.35	9.150	
2,900.00	2,891.39	2,875.89	2,874.71	7.84	7.01	-159.56	-56.94	24.93	156.21	141.37	14.84	10.526	
3,000.00	2,989.87	2,966.35	2,964.19	8.15	7.25	-163.86	-55.29	38.08	184.73	169.39	15.34	12.043	
3,100.00	3,088.35	3,054.89	3,051.33	8.46	7.49	-167.35	-53.33	53.66	216.66	200.81	15.84	13.675	
3,200.00	3,186.83	3,144.72	3,139.27	8.79	7.73	-170.28	-51.05	71.84	251.49	235.13	16.37	15.364	
3,300.00	3,285.31	3,237.58	3,230.09	9.13	7.96	-172.61	-48.65	91.00	287.16	270.23	16.93	16.959	
3,400.00	3,383.80	3,330.43	3,320.92	9.48	8.20	-174.43	-46.25	110.15	323.15	305.63	17.52	18.448	
3,500.00	3,482.28	3,423.29	3,411.75	9.84	8.46	-175.89	-43.85	129.31	359.37	341.25	18.12	19.831	
3,600.00	3,580.76	3,516.14	3,502.57	10.21	8.74	-177.08	-41.45	148.46	395.76	377.01	18.75	21.112	
3,700.00	3,679.24	3,609.00	3,593.40	10.58	9.03	-178.08	-39.04	167.62	432.27	412.89	19.39	22.296	
3,800.00	3,777.72	3,701.85	3,684.23	10.96	9.33	-178.92	-36.64	186.77	468.88	448.83	20.05	23.390	
3,900.00	3,876.20	3,794.71	3,775.05	11.35	9.64	-179.63	-34.24	205.92	505.56	484.84	20.72	24.400	
4,000.00	3,974.68	3,887.56	3,865.88	11.74	9.96	179.75	-31.84	225.08	542.31	520.90	21.41	25.333	
4,100.00	4,073.16	3,980.42	3,956.71	12.13	10.30	179.20	-29.44	244.23	579.10	556.99	22.11	26.195	
4,200.00	4,171.64	4,073.27	4,047.53	12.53	10.63	178.73	-27.03	263.39	615.93	593.11	22.82	26.993	
4,300.00	4,270.13	4,166.13	4,138.36	12.93	10.98	178.30	-24.63	282.54	652.79	629.25	23.54	27.731	
4,400.00	4,368.61	4,258.99	4,229.18	13.34	11.33	177.93	-22.23	301.70	689.68	665.41	24.27	28.416	
4,500.00	4,467.09	4,351.84	4,320.01	13.75	11.69	177.59	-19.83	320.85	726.59	701.58	25.01	29.052	
4,600.00	4,565.57	4,444.70	4,410.84	14.16	12.06	177.28	-17.43	340.01	763.53	737.77	25.76	29.642	
4,700.00	4,664.05	4,537.55	4,501.66	14.58	12.43	177.00	-15.02	359.16	800.48	773.97	26.51	30.192	
4,800.00	4,762.53	4,630.41	4,592.49	15.00	12.80	176.74	-12.62	378.32	837.44	810.17	27.27	30.705	
4,900.00	4,861.01	4,723.26	4,683.32	15.42	13.18	176.51	-10.22	397.47	874.42	846.38	28.04	31.183	
5,000.00	4,959.49	4,816.12	4,774.14	15.84	13.56	176.30	-7.82	416.63	911.41	882.60	28.81	31.630	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design:	TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2											Offset Site Error:	0.00 usft
Survey Program:	0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR											Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			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	
5,100.00	5,057.97	4,908.97	4,864.97	16.26	13.95	176.10	-5.42	435.78	948.41	918.82	29.59	32.048	
5,200.00	5,156.46	5,001.83	4,955.80	16.69	14.33	175.92	-3.02	454.94	985.42	955.05	30.38	32.440	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		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	0.00	0.00	0.00	179.57	-40.00	0.30	40.00						
100.00	100.00	100.00	100.00	0.77	0.77	179.57	-40.00	0.30	40.00	38.01	1.99	20.089			
200.00	200.00	200.00	200.00	1.44	1.44	179.57	-40.00	0.30	40.00	36.69	3.31	12.079			
300.00	300.00	300.00	300.00	1.88	1.88	179.57	-40.00	0.30	40.00	35.81	4.20	9.535			
400.00	400.00	400.00	400.00	2.25	2.25	179.57	-40.00	0.30	40.00	35.09	4.91	8.144			
500.00	500.00	500.00	500.00	2.56	2.56	179.57	-40.00	0.30	40.00	34.47	5.53	7.230			
600.00	600.00	600.00	600.00	2.84	2.84	179.57	-40.00	0.30	40.00	33.91	6.09	6.568			
700.00	700.00	700.00	700.00	3.10	3.10	179.57	-40.00	0.30	40.00	33.40	6.60	6.060			
800.00	800.00	800.00	800.00	3.34	3.34	179.57	-40.00	0.30	40.00	32.92	7.08	5.653			
900.00	900.00	900.00	900.00	3.57	3.57	179.57	-40.00	0.30	40.00	32.48	7.52	5.317			
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	179.57	-40.00	0.30	40.00	32.05	7.95	5.033			
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	179.57	-40.00	0.30	40.00	31.65	8.35	4.790			
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	179.57	-40.00	0.30	40.00	31.26	8.74	4.577			
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	179.57	-40.00	0.30	40.00	30.89	9.11	4.390			
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	179.57	-40.00	0.30	40.00	30.53	9.47	4.223			
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	179.57	-40.00	0.30	40.00	30.18	9.82	4.072			
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	179.57	-40.00	0.30	40.00	29.84	10.16	3.936			
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	179.57	-40.00	0.30	40.00	29.51	10.49	3.812			
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	179.57	-40.00	0.30	40.00	29.19	10.82	3.698			
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	179.57	-40.00	0.30	40.00	28.87	11.13	3.594			
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	179.57	-40.00	0.30	40.00	28.56	11.44	3.497			
2,100.00	2,099.98	2,100.34	2,100.34	5.79	5.70	-102.57	-39.50	1.02	39.85	28.13	11.72	3.400			
2,121.40	2,121.36	2,121.79	2,121.78	5.83	5.73	-104.25	-39.26	1.36	39.84	28.06	11.78	3.382 CC, ES			
2,200.00	2,199.84	2,200.37	2,200.33	6.01	5.84	-113.07	-37.99	3.17	40.32	28.32	12.00	3.359 SF			
2,300.00	2,299.45	2,299.77	2,299.64	6.26	5.99	-128.91	-35.50	6.72	43.90	31.56	12.34	3.557			
2,400.00	2,398.70	2,398.23	2,397.91	6.52	6.17	-145.53	-32.07	11.63	53.39	40.61	12.78	4.179			
2,499.94	2,497.41	2,495.41	2,494.79	6.80	6.35	-158.82	-27.72	17.83	69.88	56.61	13.26	5.269			
2,600.00	2,595.95	2,589.60	2,588.55	7.04	6.57	-167.39	-23.66	25.80	92.33	78.63	13.70	6.740			
2,700.00	2,694.43	2,682.17	2,680.49	7.29	6.80	-172.25	-21.07	36.29	119.11	104.97	14.14	8.426			
2,800.00	2,792.91	2,775.92	2,773.35	7.56	7.02	-175.15	-19.57	49.07	148.84	134.25	14.59	10.204			
2,900.00	2,891.39	2,871.11	2,867.61	7.84	7.26	-177.10	-18.16	62.24	179.03	163.93	15.10	11.858			
3,000.00	2,989.87	2,966.29	2,961.87	8.15	7.52	-178.49	-16.74	75.42	209.36	193.72	15.64	13.386			
3,100.00	3,088.35	3,061.48	3,056.13	8.46	7.80	-179.53	-15.33	88.59	239.77	223.56	16.21	14.793			
3,200.00	3,186.83	3,156.66	3,150.39	8.79	8.08	179.67	-13.92	101.76	270.23	253.43	16.80	16.086			
3,300.00	3,285.31	3,251.85	3,244.65	9.13	8.38	179.03	-12.50	114.93	300.73	283.32	17.41	17.272			
3,400.00	3,383.80	3,347.04	3,338.91	9.48	8.68	178.51	-11.09	128.10	331.26	313.22	18.04	18.360			
3,500.00	3,482.28	3,442.22	3,433.17	9.84	9.00	178.07	-9.67	141.27	361.82	343.13	18.69	19.358			
3,600.00	3,580.76	3,537.41	3,527.42	10.21	9.32	177.70	-8.26	154.45	392.38	373.03	19.35	20.274			
3,700.00	3,679.24	3,632.59	3,621.68	10.58	9.65	177.39	-6.84	167.62	422.97	402.93	20.03	21.116			
3,800.00	3,777.72	3,727.78	3,715.94	10.96	9.98	177.12	-5.43	180.79	453.56	432.84	20.72	21.890			
3,900.00	3,876.20	3,822.96	3,810.20	11.35	10.32	176.88	-4.02	193.96	484.15	462.73	21.42	22.602			
4,000.00	3,974.68	3,918.15	3,904.46	11.74	10.67	176.67	-2.60	207.13	514.76	492.63	22.13	23.260			
4,100.00	4,073.16	4,013.34	3,998.72	12.13	11.02	176.49	-1.19	220.31	545.37	522.52	22.85	23.867			
4,200.00	4,171.64	4,108.52	4,092.98	12.53	11.37	176.32	0.23	233.48	575.98	552.41	23.58	24.428			
4,300.00	4,270.13	4,203.71	4,187.24	12.93	11.73	176.17	1.64	246.65	606.60	582.29	24.31	24.949			
4,400.00	4,368.61	4,298.89	4,281.50	13.34	12.09	176.04	3.06	259.82	637.23	612.17	25.06	25.432			
4,500.00	4,467.09	4,397.76	4,379.42	13.75	12.44	175.91	4.52	273.41	667.77	641.97	25.81	25.876			
4,600.00	4,565.57	4,506.07	4,486.88	14.16	12.85	175.81	5.95	286.79	696.99	670.33	26.66	26.145			
4,700.00	4,664.05	4,615.59	4,595.79	14.58	13.25	175.75	7.18	298.27	724.42	696.91	27.50	26.339			
4,800.00	4,762.53	4,726.25	4,706.04	15.00	13.64	175.72	8.20	307.76	750.02	721.68	28.34	26.466			
4,900.00	4,861.01	4,838.00	4,817.54	15.42	14.02	175.73	9.00	315.19	773.78	744.62	29.16	26.537			

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		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	
5,000.00	4,959.49	4,950.76	4,930.17	15.84	14.38	175.76	9.57	320.49	795.66	765.70	29.95	26.562	
5,100.00	5,057.97	5,064.45	5,043.82	16.26	14.70	175.83	9.90	323.61	815.64	784.93	30.71	26.556	
5,200.00	5,156.46	5,177.10	5,156.46	16.69	14.88	175.92	10.00	324.50	833.71	802.38	31.34	26.603	
5,300.00	5,254.94	5,275.58	5,254.94	17.11	14.92	176.00	10.00	324.50	851.04	819.21	31.83	26.740	
5,400.00	5,353.42	5,374.06	5,353.42	17.54	14.97	176.08	10.00	324.50	868.36	836.03	32.33	26.861	
5,500.00	5,451.90	5,472.54	5,451.90	17.97	15.03	176.16	10.00	324.50	885.68	852.85	32.83	26.975	
5,600.00	5,550.38	5,571.02	5,550.38	18.40	15.08	176.23	10.00	324.50	903.01	869.66	33.34	27.081	
5,624.17	5,574.18	5,594.82	5,574.18	18.50	15.09	176.25	10.00	324.50	907.20	873.73	33.46	27.112	
5,700.00	5,648.95	5,669.59	5,648.95	18.82	15.13	176.31	10.00	324.50	919.84	886.00	33.84	27.180	
5,800.00	5,747.78	5,768.42	5,747.78	19.24	15.18	176.38	10.00	324.50	935.01	900.66	34.35	27.220	
5,900.00	5,846.87	5,867.51	5,846.87	19.65	15.24	176.44	10.00	324.50	948.45	913.60	34.85	27.215	
6,000.00	5,946.18	5,966.82	5,946.18	20.05	15.29	176.49	10.00	324.50	960.16	924.82	35.34	27.169	
6,100.00	6,045.68	6,066.32	6,045.68	20.44	15.34	176.53	10.00	324.50	970.15	934.33	35.82	27.085	
6,200.00	6,145.33	6,165.97	6,145.33	20.81	15.40	176.56	10.00	324.50	978.40	942.12	36.28	26.966	
6,300.00	6,245.12	6,265.76	6,245.12	21.17	15.45	176.59	10.00	324.50	984.91	948.18	36.73	26.817	
6,400.00	6,345.00	6,365.64	6,345.00	21.50	15.51	176.61	10.00	324.50	989.68	952.54	37.15	26.643	
6,500.00	6,444.96	6,465.60	6,444.96	21.80	15.56	176.62	10.00	324.50	992.72	955.18	37.53	26.451	
6,600.00	6,544.95	6,565.59	6,544.95	22.04	15.62	176.63	10.00	324.50	994.01	956.16	37.85	26.262	
6,624.05	6,569.00	6,589.64	6,569.00	22.06	15.63	95.24	10.00	324.50	994.06	956.17	37.89	26.238	
6,700.00	6,644.95	6,665.59	6,644.95	22.08	15.67	95.24	10.00	324.50	994.06	956.11	37.94	26.198	
6,800.00	6,744.95	6,765.59	6,744.95	22.11	15.73	95.24	10.00	324.50	994.06	956.03	38.03	26.139	
6,900.00	6,844.95	6,865.59	6,844.95	22.15	15.78	95.24	10.00	324.50	994.06	955.94	38.12	26.080	
7,000.00	6,944.95	6,965.59	6,944.95	22.19	15.84	95.24	10.00	324.50	994.06	955.85	38.20	26.021	
7,100.00	7,044.95	7,065.59	7,044.95	22.22	15.89	95.24	10.00	324.50	994.06	955.77	38.29	25.961	
7,200.00	7,144.95	7,165.59	7,144.95	22.26	15.95	95.24	10.00	324.50	994.06	955.68	38.38	25.902	
7,300.00	7,244.95	7,265.59	7,244.95	22.30	16.01	95.24	10.00	324.50	994.06	955.59	38.47	25.843	
7,400.00	7,344.95	7,365.59	7,344.95	22.33	16.07	95.24	10.00	324.50	994.06	955.50	38.55	25.783	
7,500.00	7,444.95	7,465.59	7,444.95	22.37	16.12	95.24	10.00	324.50	994.06	955.41	38.64	25.724	
7,600.00	7,544.95	7,565.59	7,544.95	22.41	16.18	95.24	10.00	324.50	994.06	955.32	38.73	25.664	
7,700.00	7,644.95	7,665.59	7,644.95	22.44	16.24	95.24	10.00	324.50	994.06	955.23	38.82	25.605	
7,800.00	7,744.95	7,765.59	7,744.95	22.48	16.29	95.24	10.00	324.50	994.06	955.14	38.91	25.545	
7,900.00	7,844.95	7,865.59	7,844.95	22.52	16.35	95.24	10.00	324.50	994.06	955.05	39.00	25.485	
8,000.00	7,944.95	7,965.59	7,944.95	22.56	16.41	95.24	10.00	324.50	994.06	954.96	39.10	25.426	
8,100.00	8,044.95	8,065.59	8,044.95	22.60	16.47	95.24	10.00	324.50	994.06	954.87	39.19	25.366	
8,200.00	8,144.95	8,165.59	8,144.95	22.64	16.53	95.24	10.00	324.50	994.06	954.78	39.28	25.306	
8,300.00	8,244.95	8,265.59	8,244.95	22.67	16.59	95.24	10.00	324.50	994.06	954.68	39.37	25.247	
8,400.00	8,344.95	8,365.59	8,344.95	22.71	16.65	95.24	10.00	324.50	994.06	954.59	39.47	25.187	
8,500.00	8,444.95	8,465.59	8,444.95	22.75	16.70	95.24	10.00	324.50	994.06	954.50	39.56	25.127	
8,600.00	8,544.95	8,565.59	8,544.95	22.79	16.76	95.24	10.00	324.50	994.06	954.40	39.65	25.068	
8,700.00	8,644.95	8,665.59	8,644.95	22.83	16.82	95.24	10.00	324.50	994.06	954.31	39.75	25.008	
8,800.00	8,744.95	8,765.59	8,744.95	22.87	16.88	95.24	10.00	324.50	994.06	954.21	39.84	24.949	
8,900.00	8,844.95	8,865.59	8,844.95	22.91	16.94	95.24	10.00	324.50	994.06	954.12	39.94	24.889	
9,000.00	8,944.95	8,965.59	8,944.95	22.95	17.00	95.24	10.00	324.50	994.06	954.02	40.04	24.829	
9,100.00	9,044.95	9,065.59	9,044.95	22.99	17.06	95.24	10.00	324.50	994.06	953.92	40.13	24.770	
9,200.00	9,144.95	9,165.59	9,144.95	23.04	17.12	95.24	10.00	324.50	994.06	953.83	40.23	24.710	
9,300.00	9,244.95	9,265.59	9,244.95	23.08	17.18	95.24	10.00	324.50	994.06	953.73	40.33	24.651	
9,400.00	9,344.95	9,365.59	9,344.95	23.12	17.25	95.24	10.00	324.50	994.06	953.63	40.42	24.591	
9,500.00	9,444.95	9,465.59	9,444.95	23.16	17.31	95.24	10.00	324.50	994.06	953.53	40.52	24.532	
9,600.00	9,544.95	9,565.59	9,544.95	23.20	17.37	95.24	10.00	324.50	994.06	953.44	40.62	24.472	
9,700.00	9,644.95	9,665.59	9,644.95	23.24	17.43	95.24	10.00	324.50	994.06	953.34	40.72	24.413	
9,800.00	9,744.95	9,765.59	9,744.95	23.29	17.49	95.24	10.00	324.50	994.06	953.24	40.82	24.354	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
9,900.00	9,844.95	9,865.59	9,844.95	23.33	17.55	95.24	10.00	324.50	994.06	953.14	40.92	24.295	
10,000.00	9,944.95	9,965.59	9,944.95	23.37	17.61	95.24	10.00	324.50	994.06	953.04	41.02	24.235	
10,100.00	10,044.95	10,065.59	10,044.95	23.41	17.68	95.24	10.00	324.50	994.06	952.94	41.12	24.176	
10,200.00	10,144.95	10,165.59	10,144.95	23.46	17.74	95.24	10.00	324.50	994.06	952.84	41.22	24.117	
10,300.00	10,244.95	10,265.59	10,244.95	23.50	17.80	95.24	10.00	324.50	994.06	952.74	41.32	24.058	
10,329.59	10,274.54	10,295.18	10,274.54	23.50	17.82	95.24	10.00	324.50	994.06	952.72	41.34	24.046	
10,350.00	10,294.94	10,315.58	10,294.94	23.50	17.83	95.33	10.00	324.50	994.10	952.75	41.35	24.043	
10,375.00	10,319.88	10,345.97	10,325.31	23.51	17.83	95.39	10.81	324.50	994.20	952.83	41.36	24.035	
10,400.00	10,344.69	10,377.07	10,356.28	23.51	17.84	95.44	13.63	324.50	994.27	952.89	41.38	24.027	
10,425.00	10,369.31	10,408.24	10,387.06	23.51	17.84	95.46	18.47	324.49	994.31	952.91	41.40	24.017	
10,450.00	10,393.67	10,439.42	10,417.49	23.51	17.84	95.47	25.31	324.48	994.32	952.90	41.42	24.007	
10,475.00	10,417.71	10,470.61	10,447.39	23.52	17.85	95.46	34.13	324.47	994.30	952.87	41.44	23.996	
10,500.00	10,441.35	10,501.76	10,476.63	23.52	17.85	95.43	44.86	324.46	994.25	952.80	41.46	23.983	
10,525.00	10,464.54	10,532.84	10,505.04	23.52	17.85	95.38	57.45	324.44	994.17	952.70	41.48	23.970	
10,550.00	10,487.20	10,563.82	10,532.49	23.52	17.86	95.31	71.81	324.43	994.06	952.57	41.50	23.956	
10,575.00	10,509.28	10,594.68	10,558.84	23.53	17.86	95.22	87.85	324.41	993.93	952.41	41.52	23.941	
10,600.00	10,530.72	10,625.39	10,583.99	23.53	17.87	95.11	105.47	324.39	993.77	952.23	41.54	23.925	
10,625.00	10,551.46	10,655.91	10,607.81	23.53	17.88	94.99	124.55	324.37	993.59	952.03	41.56	23.909	
10,650.00	10,571.43	10,686.24	10,630.21	23.54	17.89	94.85	144.97	324.34	993.38	951.81	41.58	23.892	
10,675.00	10,590.60	10,716.33	10,651.13	23.54	17.90	94.69	166.61	324.32	993.16	951.56	41.60	23.874	
10,700.00	10,608.89	10,746.19	10,670.49	23.55	17.91	94.52	189.33	324.29	992.93	951.31	41.62	23.856	
10,725.00	10,626.27	10,775.79	10,688.24	23.56	17.93	94.34	213.01	324.26	992.69	951.04	41.65	23.836	
10,750.00	10,642.69	10,805.11	10,704.34	23.57	17.95	94.14	237.50	324.23	992.44	950.77	41.67	23.816	
10,775.00	10,658.10	10,834.14	10,718.78	23.58	17.97	93.93	262.69	324.21	992.18	950.48	41.70	23.795	
10,800.00	10,672.45	10,862.88	10,731.54	23.59	17.99	93.71	288.44	324.18	991.93	950.20	41.73	23.772	
10,825.00	10,685.72	10,891.32	10,742.62	23.60	18.01	93.48	314.62	324.14	991.68	949.92	41.76	23.748	
10,850.00	10,697.86	10,919.45	10,752.03	23.61	18.04	93.24	341.13	324.11	991.43	949.64	41.79	23.722	
10,875.00	10,708.84	10,947.27	10,759.78	23.63	18.07	93.00	367.85	324.08	991.19	949.36	41.83	23.695	
10,900.00	10,718.62	10,974.78	10,765.90	23.64	18.10	92.74	394.66	324.05	990.97	949.10	41.87	23.666	
10,925.00	10,727.19	11,001.98	10,770.42	23.66	18.14	92.48	421.48	324.02	990.76	948.84	41.92	23.635	
10,950.00	10,734.52	11,028.87	10,773.39	23.68	18.18	92.22	448.21	323.99	990.57	948.60	41.97	23.602	
10,975.00	10,740.59	11,055.46	10,774.83	23.71	18.22	91.95	474.75	323.96	990.39	948.37	42.02	23.568	
11,000.00	10,745.38	11,080.83	10,775.03	23.73	18.26	91.69	500.12	323.93	990.24	948.16	42.08	23.531	
11,025.00	10,748.89	11,105.59	10,775.10	23.76	18.30	91.51	524.88	323.90	990.15	947.99	42.15	23.491	
11,050.00	10,751.09	11,130.50	10,775.16	23.79	18.36	91.39	549.79	323.87	990.09	947.86	42.23	23.445	
11,075.00	10,751.98	11,155.48	10,775.22	23.82	18.41	91.34	574.77	323.84	990.07	947.76	42.31	23.398	
11,078.01	10,752.00	11,158.49	10,775.23	23.82	18.42	91.34	577.78	323.84	990.07	947.75	42.32	23.392	
11,100.00	10,752.07	11,180.48	10,775.28	23.85	18.46	91.34	599.77	323.81	990.07	947.67	42.40	23.350	
11,200.00	10,752.40	11,280.48	10,775.53	24.01	18.70	91.34	699.77	323.70	990.07	947.26	42.81	23.125	
11,300.00	10,752.74	11,380.48	10,775.78	24.20	18.98	91.33	799.77	323.58	990.07	946.78	43.29	22.872	
11,400.00	10,753.07	11,480.48	10,776.03	24.43	19.30	91.33	899.77	323.46	990.07	946.25	43.82	22.592	
11,500.00	10,753.40	11,580.48	10,776.27	24.68	19.65	91.32	999.77	323.35	990.07	945.65	44.42	22.290	
11,600.00	10,753.73	11,680.48	10,776.52	24.95	20.03	91.32	1,099.77	323.23	990.07	945.00	45.07	21.969	
11,700.00	10,754.06	11,780.48	10,776.77	25.26	20.44	91.31	1,199.77	323.11	990.07	944.30	45.77	21.631	
11,800.00	10,754.39	11,880.48	10,777.02	25.59	20.87	91.31	1,299.77	323.00	990.07	943.54	46.53	21.279	
11,900.00	10,754.72	11,980.48	10,777.27	25.95	21.34	91.30	1,399.77	322.88	990.07	942.73	47.33	20.918	
12,000.00	10,755.05	12,080.48	10,777.52	26.33	21.83	91.30	1,499.76	322.76	990.06	941.88	48.18	20.548	
12,100.00	10,755.38	12,180.48	10,777.76	26.73	22.34	91.30	1,599.76	322.65	990.06	940.99	49.08	20.174	
12,200.00	10,755.71	12,280.48	10,778.01	27.15	22.87	91.29	1,699.76	322.53	990.06	940.05	50.01	19.796	
12,300.00	10,756.04	12,380.48	10,778.26	27.60	23.42	91.29	1,799.76	322.41	990.06	939.07	50.99	19.417	
12,400.00	10,756.38	12,480.48	10,778.51	28.06	23.99	91.28	1,899.76	322.30	990.06	938.06	52.00	19.039	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	Between Centres	Between Ellipses	No-Go Distance	Separation Factor	Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,500.00	10,756.71	12,580.48	10,778.76	28.55	24.58	91.28	1,999.76	322.18	990.06	937.01	53.05	18.663	
12,600.00	10,757.04	12,680.48	10,779.00	29.05	25.18	91.27	2,099.76	322.06	990.06	935.93	54.13	18.290	
12,700.00	10,757.37	12,780.48	10,779.25	29.57	25.80	91.27	2,199.76	321.95	990.06	934.82	55.24	17.922	
12,800.00	10,757.70	12,880.48	10,779.50	30.10	26.43	91.26	2,299.76	321.83	990.06	933.68	56.38	17.559	
12,900.00	10,758.03	12,980.48	10,779.75	30.65	27.07	91.26	2,399.76	321.71	990.06	932.51	57.55	17.203	
13,000.00	10,758.36	13,080.48	10,780.00	31.21	27.73	91.25	2,499.76	321.60	990.06	931.31	58.75	16.853	
13,100.00	10,758.69	13,180.48	10,780.25	31.79	28.39	91.25	2,599.76	321.48	990.06	930.09	59.96	16.511	
13,200.00	10,759.02	13,280.48	10,780.49	32.38	29.07	91.24	2,699.76	321.36	990.06	928.85	61.20	16.176	
13,300.00	10,759.35	13,380.48	10,780.74	32.98	29.76	91.24	2,799.76	321.25	990.06	927.59	62.47	15.849	
13,400.00	10,759.68	13,480.48	10,780.99	33.59	30.45	91.23	2,899.76	321.13	990.05	926.31	63.75	15.531	
13,500.00	10,760.02	13,580.48	10,781.24	34.22	31.15	91.23	2,999.76	321.01	990.05	925.01	65.05	15.220	
13,600.00	10,760.35	13,680.48	10,781.49	34.85	31.86	91.22	3,099.76	320.90	990.05	923.69	66.37	14.918	
13,700.00	10,760.68	13,780.48	10,781.73	35.49	32.58	91.22	3,199.76	320.78	990.05	922.35	67.70	14.623	
13,800.00	10,761.01	13,880.48	10,781.98	36.14	33.30	91.21	3,299.76	320.66	990.05	921.00	69.05	14.337	
13,900.00	10,761.34	13,980.48	10,782.23	36.80	34.03	91.21	3,399.76	320.55	990.05	919.63	70.42	14.059	
14,000.00	10,761.67	14,080.48	10,782.48	37.47	34.77	91.20	3,499.76	320.43	990.05	918.25	71.80	13.789	
14,100.00	10,762.00	14,180.48	10,782.73	38.15	35.51	91.20	3,599.76	320.31	990.05	916.86	73.19	13.526	
14,200.00	10,762.33	14,280.48	10,782.98	38.83	36.26	91.19	3,699.76	320.20	990.05	915.45	74.60	13.272	
14,300.00	10,762.66	14,380.48	10,783.22	39.52	37.01	91.19	3,799.76	320.08	990.05	914.03	76.02	13.024	
14,400.00	10,762.99	14,480.48	10,783.47	40.22	37.77	91.19	3,899.76	319.97	990.05	912.60	77.44	12.784	
14,500.00	10,763.33	14,580.48	10,783.72	40.92	38.53	91.18	3,999.76	319.85	990.05	911.16	78.88	12.551	
14,600.00	10,763.66	14,680.48	10,783.97	41.63	39.29	91.18	4,099.75	319.73	990.05	909.72	80.33	12.324	
14,700.00	10,763.99	14,780.48	10,784.22	42.34	40.06	91.17	4,199.75	319.62	990.05	908.26	81.79	12.105	
14,800.00	10,764.32	14,880.48	10,784.46	43.06	40.83	91.17	4,299.75	319.50	990.05	906.79	83.26	11.891	
14,900.00	10,764.65	14,980.48	10,784.71	43.79	41.60	91.16	4,399.75	319.38	990.05	905.31	84.73	11.684	
15,000.00	10,764.98	15,080.48	10,784.96	44.51	42.38	91.16	4,499.75	319.27	990.05	903.83	86.22	11.483	
15,100.00	10,765.31	15,180.48	10,785.21	45.25	43.16	91.15	4,599.75	319.15	990.04	902.34	87.71	11.288	
15,200.00	10,765.64	15,280.48	10,785.46	45.99	43.95	91.15	4,699.75	319.03	990.04	900.84	89.21	11.098	
15,300.00	10,765.97	15,380.48	10,785.71	46.73	44.73	91.14	4,799.75	318.92	990.04	899.33	90.71	10.914	
15,400.00	10,766.30	15,480.48	10,785.95	47.47	45.52	91.14	4,899.75	318.80	990.04	897.82	92.22	10.735	
15,500.00	10,766.63	15,580.48	10,786.20	48.22	46.32	91.13	4,999.75	318.68	990.04	896.30	93.74	10.562	
15,600.00	10,766.97	15,680.48	10,786.45	48.97	47.11	91.13	5,099.75	318.57	990.04	894.78	95.26	10.393	
15,700.00	10,767.30	15,780.48	10,786.70	49.73	47.91	91.12	5,199.75	318.45	990.04	893.25	96.79	10.228	
15,800.00	10,767.63	15,880.48	10,786.95	50.49	48.70	91.12	5,299.75	318.33	990.04	891.71	98.33	10.069	
15,900.00	10,767.96	15,980.48	10,787.19	51.25	49.50	91.11	5,399.75	318.22	990.04	890.17	99.87	9.913	
16,000.00	10,768.29	16,080.48	10,787.44	52.02	50.31	91.11	5,499.75	318.10	990.04	888.63	101.41	9.762	
16,100.00	10,768.62	16,180.48	10,787.69	52.79	51.11	91.10	5,599.75	317.98	990.04	887.08	102.96	9.616	
16,200.00	10,768.95	16,280.48	10,787.94	53.56	51.92	91.10	5,699.75	317.87	990.04	885.52	104.52	9.473	
16,300.00	10,769.28	16,380.48	10,788.19	54.33	52.72	91.09	5,799.75	317.75	990.04	883.97	106.07	9.333	
16,400.00	10,769.61	16,480.48	10,788.43	55.11	53.53	91.09	5,899.75	317.63	990.04	882.40	107.64	9.198	
16,500.00	10,769.94	16,580.48	10,788.68	55.89	54.34	91.08	5,999.75	317.52	990.04	880.84	109.20	9.066	
16,600.00	10,770.27	16,680.48	10,788.93	56.67	55.15	91.08	6,099.75	317.40	990.04	879.27	110.77	8.938	
16,700.00	10,770.61	16,780.48	10,789.18	57.45	55.97	91.07	6,199.75	317.28	990.04	877.69	112.34	8.813	
16,800.00	10,770.94	16,880.48	10,789.43	58.24	56.78	91.07	6,299.75	317.17	990.04	876.12	113.92	8.691	
16,900.00	10,771.27	16,980.48	10,789.68	59.02	57.60	91.07	6,399.74	317.05	990.04	874.54	115.50	8.572	
17,000.00	10,771.60	17,080.48	10,789.92	59.81	58.41	91.06	6,499.74	316.93	990.04	872.95	117.08	8.456	
17,100.00	10,771.93	17,180.48	10,790.17	60.60	59.23	91.06	6,599.74	316.82	990.04	871.37	118.67	8.343	
17,200.00	10,772.26	17,280.48	10,790.42	61.39	60.05	91.05	6,699.74	316.70	990.04	869.78	120.26	8.233	
17,300.00	10,772.59	17,380.48	10,790.67	62.19	60.87	91.05	6,799.74	316.58	990.04	868.18	121.85	8.125	
17,400.00	10,772.92	17,480.48	10,790.92	62.99	61.69	91.04	6,899.74	316.47	990.03	866.59	123.45	8.020	
17,500.00	10,773.25	17,580.48	10,791.16	63.78	62.52	91.04	6,999.74	316.35	990.03	864.99	125.04	7.918	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
17,600.00	10,773.58	17,680.48	10,791.41	64.58	63.34	91.03	7,099.74	316.23	990.03	863.39	126.64	7.818	
17,700.00	10,773.91	17,780.48	10,791.66	65.38	64.16	91.03	7,199.74	316.12	990.03	861.79	128.24	7.720	
17,800.00	10,774.25	17,880.48	10,791.91	66.18	64.99	91.02	7,299.74	316.00	990.03	860.19	129.85	7.625	
17,900.00	10,774.58	17,980.48	10,792.16	66.99	65.81	91.02	7,399.74	315.88	990.03	858.58	131.45	7.531	
18,000.00	10,774.91	18,080.48	10,792.41	67.79	66.64	91.01	7,499.74	315.77	990.03	856.97	133.06	7.440	
18,100.00	10,775.24	18,180.48	10,792.65	68.60	67.47	91.01	7,599.74	315.65	990.03	855.36	134.67	7.351	
18,200.00	10,775.57	18,280.48	10,792.90	69.41	68.30	91.00	7,699.74	315.53	990.03	853.75	136.29	7.264	
18,300.00	10,775.90	18,380.48	10,793.15	70.21	69.12	91.00	7,799.74	315.42	990.03	852.13	137.90	7.179	
18,400.00	10,776.23	18,480.48	10,793.40	71.02	69.95	90.99	7,899.74	315.30	990.03	850.51	139.52	7.096	
18,500.00	10,776.56	18,580.48	10,793.65	71.83	70.78	90.99	7,999.74	315.19	990.03	848.90	141.13	7.015	
18,600.00	10,776.89	18,680.48	10,793.89	72.65	71.61	90.98	8,099.74	315.07	990.03	847.28	142.75	6.935	
18,700.00	10,777.22	18,780.48	10,794.14	73.46	72.45	90.98	8,199.74	314.95	990.03	845.65	144.38	6.857	
18,800.00	10,777.56	18,880.48	10,794.39	74.27	73.28	90.97	8,299.74	314.84	990.03	844.03	146.00	6.781	
18,900.00	10,777.89	18,980.48	10,794.64	75.09	74.11	90.97	8,399.74	314.72	990.03	842.41	147.62	6.706	
19,000.00	10,778.22	19,080.48	10,794.89	75.90	74.94	90.96	8,499.74	314.60	990.03	840.78	149.25	6.633	
19,100.00	10,778.55	19,180.48	10,795.14	76.72	75.78	90.96	8,599.74	314.49	990.03	839.15	150.88	6.562	
19,200.00	10,778.88	19,280.48	10,795.38	77.54	76.61	90.96	8,699.74	314.37	990.03	837.52	152.51	6.492	
19,300.00	10,779.21	19,380.48	10,795.63	78.36	77.45	90.95	8,799.74	314.25	990.03	835.89	154.14	6.423	
19,400.00	10,779.54	19,480.48	10,795.88	79.18	78.28	90.95	8,899.73	314.14	990.03	834.26	155.77	6.356	
19,500.00	10,779.87	19,580.48	10,796.13	80.00	79.12	90.94	8,999.73	314.02	990.03	832.63	157.40	6.290	
19,600.00	10,780.20	19,680.48	10,796.38	80.82	79.95	90.94	9,099.73	313.90	990.03	830.99	159.04	6.225	
19,700.00	10,780.53	19,780.48	10,796.62	81.64	80.79	90.93	9,199.73	313.79	990.03	829.36	160.67	6.162	
19,800.00	10,780.86	19,880.48	10,796.87	82.46	81.63	90.93	9,299.73	313.67	990.03	827.72	162.31	6.100	
19,900.00	10,781.20	19,980.48	10,797.12	83.28	82.47	90.92	9,399.73	313.55	990.03	826.08	163.95	6.039	
20,000.00	10,781.53	20,080.48	10,797.37	84.11	83.30	90.92	9,499.73	313.44	990.03	824.44	165.58	5.979	
20,100.00	10,781.86	20,180.48	10,797.62	84.93	84.14	90.91	9,599.73	313.32	990.03	822.80	167.22	5.920	
20,200.00	10,782.19	20,280.48	10,797.87	85.76	84.98	90.91	9,699.73	313.20	990.03	821.16	168.86	5.863	
20,300.00	10,782.52	20,380.48	10,798.11	86.58	85.82	90.90	9,799.73	313.09	990.03	819.52	170.51	5.806	
20,400.00	10,782.85	20,480.48	10,798.36	87.41	86.66	90.90	9,899.73	312.97	990.03	817.88	172.15	5.751	
20,500.00	10,783.18	20,580.48	10,798.61	88.23	87.50	90.89	9,999.73	312.85	990.03	816.23	173.79	5.697	
20,600.00	10,783.51	20,680.48	10,798.86	89.06	88.34	90.89	10,099.73	312.74	990.03	814.59	175.44	5.643	
20,700.00	10,783.84	20,780.48	10,799.11	89.89	89.18	90.88	10,199.73	312.62	990.03	812.94	177.08	5.591	
20,800.00	10,784.17	20,880.48	10,799.35	90.72	90.02	90.88	10,299.73	312.50	990.03	811.30	178.73	5.539	
20,900.00	10,784.50	20,980.48	10,799.60	91.55	90.86	90.87	10,399.73	312.39	990.03	809.65	180.38	5.489	
21,000.00	10,784.84	21,080.48	10,799.85	92.38	91.70	90.87	10,499.73	312.27	990.03	808.00	182.03	5.439	
21,049.69	10,785.00	21,130.17	10,799.97	92.79	92.12	90.87	10,549.42	312.21	990.03	807.18	182.84	5.415	
21,050.14	10,785.00	21,130.62	10,799.97	92.79	92.12	90.87	10,549.87	312.21	990.03	807.18	182.85	5.414	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	
0.00	0.00	0.10	0.00	0.00	0.00	-0.29	20.00	-0.10	20.00				
100.00	100.00	100.10	100.00	0.77	0.77	-0.29	20.00	-0.10	20.00	18.01	1.99	10.041	
200.00	200.00	200.10	200.00	1.44	1.44	-0.29	20.00	-0.10	20.00	16.69	3.31	6.039	
300.00	300.00	300.10	300.00	1.88	1.88	-0.29	20.00	-0.10	20.00	15.80	4.20	4.767	
400.00	400.00	400.10	400.00	2.25	2.25	-0.29	20.00	-0.10	20.00	15.09	4.91	4.071	
500.00	500.00	500.10	500.00	2.56	2.56	-0.29	20.00	-0.10	20.00	14.47	5.53	3.615	
600.00	600.00	600.10	600.00	2.84	2.84	-0.29	20.00	-0.10	20.00	13.91	6.09	3.284	
700.00	700.00	700.10	700.00	3.10	3.10	-0.29	20.00	-0.10	20.00	13.40	6.60	3.030	
800.00	800.00	800.10	800.00	3.34	3.34	-0.29	20.00	-0.10	20.00	12.92	7.08	2.826 Normal Operations	
900.00	900.00	900.10	900.00	3.57	3.57	-0.29	20.00	-0.10	20.00	12.48	7.52	2.658 Normal Operations	
1,000.00	1,000.00	1,000.10	1,000.00	3.79	3.79	-0.29	20.00	-0.10	20.00	12.05	7.95	2.517 Normal Operations	
1,100.00	1,100.00	1,100.10	1,100.00	3.99	3.99	-0.29	20.00	-0.10	20.00	11.65	8.35	2.395 Caution - Monitor Closely	
1,200.00	1,200.00	1,200.10	1,200.00	4.19	4.19	-0.29	20.00	-0.10	20.00	11.26	8.74	2.288 Caution - Monitor Closely	
1,300.00	1,300.00	1,300.10	1,300.00	4.38	4.38	-0.29	20.00	-0.10	20.00	10.89	9.11	2.195 Caution - Monitor Closely	
1,400.00	1,400.00	1,400.10	1,400.00	4.56	4.56	-0.29	20.00	-0.10	20.00	10.53	9.47	2.111 Caution - Monitor Closely	
1,500.00	1,500.00	1,500.10	1,500.00	4.74	4.74	-0.29	20.00	-0.10	20.00	10.18	9.82	2.036 Caution - Monitor Closely	
1,600.00	1,600.00	1,600.10	1,600.00	4.91	4.91	-0.29	20.00	-0.10	20.00	9.84	10.16	1.968 Caution - Monitor Closely	
1,700.00	1,700.00	1,700.10	1,700.00	5.08	5.08	-0.29	20.00	-0.10	20.00	9.51	10.49	1.906 Caution - Monitor Closely	
1,800.00	1,800.00	1,800.10	1,800.00	5.24	5.24	-0.29	20.00	-0.10	20.00	9.18	10.82	1.849 Caution - Monitor Closely	
1,900.00	1,900.00	1,900.10	1,900.00	5.40	5.40	-0.29	20.00	-0.10	20.00	8.87	11.13	1.797 Caution - Monitor Closely	
1,966.63	1,966.63	1,966.73	1,966.63	5.50	5.50	-0.29	20.00	-0.10	20.00	8.66	11.34	1.764 Caution - Monitor Closely, CC	
2,000.00	2,000.00	2,000.00	1,999.90	5.56	5.56	-0.29	20.00	-0.10	20.00	8.56	11.44	1.748 Caution - Monitor Closely, ES, SF	
2,100.00	2,099.98	2,099.69	2,099.57	5.79	5.79	81.94	21.00	-1.51	20.75	9.00	11.75	1.766 Caution - Monitor Closely	
2,200.00	2,199.84	2,199.24	2,198.98	6.01	6.01	84.13	24.01	-5.74	23.01	10.99	12.02	1.914 Caution - Monitor Closely	
2,300.00	2,299.45	2,298.71	2,298.07	6.26	6.25	86.95	29.01	-12.78	26.84	14.55	12.28	2.185 Caution - Monitor Closely	
2,400.00	2,398.70	2,398.07	2,396.69	6.52	6.52	89.74	36.00	-22.61	32.27	19.72	12.54	2.572 Normal Operations	
2,499.94	2,497.41	2,497.75	2,495.40	6.80	6.72	94.44	44.03	-33.92	38.66	25.87	12.79	3.022	
2,600.00	2,595.95	2,597.48	2,594.16	7.04	6.95	100.05	52.08	-45.23	45.52	32.48	13.05	3.489	
2,700.00	2,694.43	2,697.16	2,692.87	7.29	7.19	104.17	60.12	-56.54	52.71	39.38	13.32	3.956	
2,800.00	2,792.91	2,796.84	2,791.58	7.56	7.45	107.29	68.15	-67.85	60.10	46.48	13.61	4.414	
2,900.00	2,891.39	2,896.52	2,890.29	7.84	7.73	109.72	76.19	-79.16	67.62	53.70	13.92	4.859	
3,000.00	2,989.87	2,996.20	2,989.00	8.15	8.02	111.66	84.23	-90.47	75.25	61.01	14.23	5.287	
3,100.00	3,088.35	3,095.88	3,087.71	8.46	8.32	113.24	92.27	-101.78	82.94	68.38	14.56	5.697	
3,200.00	3,186.83	3,195.56	3,186.42	8.79	8.64	114.55	100.31	-113.09	90.69	75.79	14.89	6.089	
3,300.00	3,285.31	3,295.26	3,285.22	9.13	8.96	116.01	108.00	-123.92	98.46	83.21	15.25	6.456	
3,400.00	3,383.80	3,394.85	3,384.14	9.48	9.29	118.17	114.71	-133.36	106.34	90.69	15.64	6.798	
3,500.00	3,482.28	3,494.28	3,483.08	9.84	9.60	120.89	120.42	-141.39	114.46	98.38	16.08	7.118	
3,600.00	3,580.76	3,593.48	3,581.95	10.21	9.92	124.04	125.11	-148.00	123.02	106.44	16.58	7.420	
3,700.00	3,679.24	3,692.40	3,680.66	10.58	10.22	127.50	128.81	-153.20	132.22	115.07	17.15	7.709	
3,800.00	3,777.72	3,790.98	3,779.12	10.96	10.51	131.16	131.51	-157.00	142.27	124.48	17.80	7.995	
3,900.00	3,876.20	3,889.15	3,877.25	11.35	10.77	134.92	133.23	-159.41	153.36	134.85	18.51	8.286	
4,000.00	3,974.68	3,986.88	3,974.97	11.74	10.99	138.70	133.97	-160.45	165.67	146.39	19.27	8.595	
4,100.00	4,073.16	4,085.07	4,073.16	12.13	11.09	142.32	134.00	-160.50	179.13	159.08	20.05	8.933	
4,200.00	4,171.64	4,183.55	4,171.64	12.53	11.16	145.45	134.00	-160.50	193.23	172.43	20.81	9.287	
4,300.00	4,270.13	4,282.03	4,270.13	12.93	11.23	148.15	134.00	-160.50	207.83	186.30	21.54	9.650	
4,400.00	4,368.61	4,380.52	4,368.61	13.34	11.31	150.50	134.00	-160.50	222.83	200.58	22.25	10.017	
4,500.00	4,467.09	4,479.00	4,467.09	13.75	11.38	152.55	134.00	-160.50	238.15	215.21	22.94	10.383	
4,600.00	4,565.57	4,577.48	4,565.57	14.16	11.45	154.36	134.00	-160.50	253.73	230.12	23.61	10.746	
4,700.00	4,664.05	4,675.96	4,664.05	14.58	11.52	155.95	134.00	-160.50	269.53	245.25	24.27	11.104	
4,800.00	4,762.53	4,774.44	4,762.53	15.00	11.59	157.37	134.00	-160.50	285.51	260.58	24.92	11.455	
4,900.00	4,861.01	4,872.92	4,861.01	15.42	11.67	158.63	134.00	-160.50	301.64	276.07	25.57	11.798	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		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	
5,000.00	4,959.49	4,971.40	4,959.49	15.84	11.74	159.77	134.00	-160.50	317.90	291.70	26.20	12.133	
5,100.00	5,057.97	5,069.88	5,057.97	16.26	11.81	160.80	134.00	-160.50	334.28	307.44	26.83	12.458	
5,200.00	5,156.46	5,168.36	5,156.46	16.69	11.89	161.73	134.00	-160.50	350.75	323.29	27.46	12.774	
5,300.00	5,254.94	5,266.85	5,254.94	17.11	11.96	162.58	134.00	-160.50	367.30	339.22	28.08	13.081	
5,400.00	5,353.42	5,365.33	5,353.42	17.54	12.03	163.35	134.00	-160.50	383.92	355.22	28.70	13.378	
5,500.00	5,451.90	5,463.81	5,451.90	17.97	12.11	164.06	134.00	-160.50	400.61	371.29	29.32	13.665	
5,600.00	5,550.38	5,562.29	5,550.38	18.40	12.18	164.72	134.00	-160.50	417.35	387.42	29.93	13.944	
5,624.17	5,574.18	5,586.09	5,574.18	18.50	12.20	164.87	134.00	-160.50	421.40	391.33	30.07	14.014	
5,700.00	5,648.95	5,660.86	5,648.95	18.82	12.25	165.34	134.00	-160.50	433.66	403.14	30.52	14.208	
5,800.00	5,747.78	5,759.69	5,747.78	19.24	12.33	165.86	134.00	-160.50	448.39	417.27	31.12	14.410	
5,900.00	5,846.87	5,858.78	5,846.87	19.65	12.40	166.30	134.00	-160.50	461.47	429.78	31.69	14.561	
6,000.00	5,946.18	5,958.09	5,946.18	20.05	12.47	166.67	134.00	-160.50	472.88	440.63	32.25	14.664	
6,100.00	6,045.68	6,057.59	6,045.68	20.44	12.55	166.96	134.00	-160.50	482.62	449.84	32.79	14.720	
6,200.00	6,145.33	6,157.24	6,145.33	20.81	12.62	167.20	134.00	-160.50	490.68	457.38	33.30	14.734	
6,300.00	6,245.12	6,257.03	6,245.12	21.17	12.70	167.38	134.00	-160.50	497.05	463.25	33.79	14.709	
6,400.00	6,345.00	6,356.91	6,345.00	21.50	12.77	167.51	134.00	-160.50	501.71	467.46	34.25	14.648	
6,500.00	6,444.96	6,456.86	6,444.96	21.80	12.85	167.59	134.00	-160.50	504.68	470.01	34.67	14.557	
6,600.00	6,544.95	6,556.85	6,544.95	22.04	12.92	167.62	134.00	-160.50	505.94	470.93	35.01	14.450	
6,624.05	6,569.00	6,580.91	6,569.00	22.06	12.94	86.24	134.00	-160.50	505.99	470.94	35.05	14.436	
6,700.00	6,644.95	6,656.85	6,644.95	22.08	13.00	86.24	134.00	-160.50	505.99	470.87	35.12	14.408	
6,800.00	6,744.95	6,756.85	6,744.95	22.11	13.07	86.24	134.00	-160.50	505.99	470.77	35.22	14.368	
6,900.00	6,844.95	6,856.85	6,844.95	22.15	13.15	86.24	134.00	-160.50	505.99	470.67	35.32	14.327	
7,000.00	6,944.95	6,956.85	6,944.95	22.19	13.23	86.24	134.00	-160.50	505.99	470.57	35.42	14.287	
7,100.00	7,044.95	7,056.85	7,044.95	22.22	13.30	86.24	134.00	-160.50	505.99	470.47	35.52	14.247	
7,200.00	7,144.95	7,156.85	7,144.95	22.26	13.38	86.24	134.00	-160.50	505.99	470.37	35.62	14.206	
7,300.00	7,244.95	7,256.85	7,244.95	22.30	13.45	86.24	134.00	-160.50	505.99	470.27	35.72	14.166	
7,400.00	7,344.95	7,356.85	7,344.95	22.33	13.53	86.24	134.00	-160.50	505.99	470.17	35.82	14.126	
7,500.00	7,444.95	7,456.85	7,444.95	22.37	13.61	86.24	134.00	-160.50	505.99	470.07	35.92	14.086	
7,600.00	7,544.95	7,556.85	7,544.95	22.41	13.68	86.24	134.00	-160.50	505.99	469.97	36.02	14.046	
7,700.00	7,644.95	7,656.85	7,644.95	22.44	13.76	86.24	134.00	-160.50	505.99	469.86	36.13	14.006	
7,800.00	7,744.95	7,756.85	7,744.95	22.48	13.83	86.24	134.00	-160.50	505.99	469.76	36.23	13.966	
7,900.00	7,844.95	7,856.85	7,844.95	22.52	13.91	86.24	134.00	-160.50	505.99	469.66	36.33	13.926	
8,000.00	7,944.95	7,956.85	7,944.95	22.56	13.99	86.24	134.00	-160.50	505.99	469.55	36.44	13.886	
8,100.00	8,044.95	8,056.85	8,044.95	22.60	14.06	86.24	134.00	-160.50	505.99	469.45	36.54	13.847	
8,200.00	8,144.95	8,156.85	8,144.95	22.64	14.14	86.24	134.00	-160.50	505.99	469.34	36.65	13.807	
8,300.00	8,244.95	8,256.85	8,244.95	22.67	14.21	86.24	134.00	-160.50	505.99	469.24	36.75	13.767	
8,400.00	8,344.95	8,356.85	8,344.95	22.71	14.29	86.24	134.00	-160.50	505.99	469.13	36.86	13.728	
8,500.00	8,444.95	8,456.85	8,444.95	22.75	14.37	86.24	134.00	-160.50	505.99	469.03	36.96	13.688	
8,600.00	8,544.95	8,556.85	8,544.95	22.79	14.44	86.24	134.00	-160.50	505.99	468.92	37.07	13.649	
8,700.00	8,644.95	8,656.85	8,644.95	22.83	14.52	86.24	134.00	-160.50	505.99	468.81	37.18	13.610	
8,800.00	8,744.95	8,756.85	8,744.95	22.87	14.60	86.24	134.00	-160.50	505.99	468.70	37.29	13.571	
8,900.00	8,844.95	8,856.85	8,844.95	22.91	14.67	86.24	134.00	-160.50	505.99	468.60	37.39	13.531	
9,000.00	8,944.95	8,956.85	8,944.95	22.95	14.75	86.24	134.00	-160.50	505.99	468.49	37.50	13.492	
9,100.00	9,044.95	9,056.85	9,044.95	22.99	14.83	86.24	134.00	-160.50	505.99	468.38	37.61	13.454	
9,200.00	9,144.95	9,156.85	9,144.95	23.04	14.91	86.24	134.00	-160.50	505.99	468.27	37.72	13.415	
9,300.00	9,244.95	9,256.85	9,244.95	23.08	14.98	86.24	134.00	-160.50	505.99	468.16	37.83	13.376	
9,400.00	9,344.95	9,356.85	9,344.95	23.12	15.06	86.24	134.00	-160.50	505.99	468.05	37.94	13.337	
9,500.00	9,444.95	9,456.85	9,444.95	23.16	15.14	86.24	134.00	-160.50	505.99	467.94	38.05	13.299	
9,600.00	9,544.95	9,556.85	9,544.95	23.20	15.21	86.24	134.00	-160.50	505.99	467.83	38.16	13.260	
9,700.00	9,644.95	9,656.85	9,644.95	23.24	15.29	86.24	134.00	-160.50	505.99	467.72	38.27	13.222	
9,800.00	9,744.95	9,756.85	9,744.95	23.29	15.37	86.24	134.00	-160.50	505.99	467.61	38.38	13.184	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		No-Go		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor	
9,900.00	9,844.95	9,856.85	9,844.95	23.33	15.44	86.24	134.00	-160.50	505.99	467.50	38.49	13.145
10,000.00	9,944.95	9,956.85	9,944.95	23.37	15.52	86.24	134.00	-160.50	505.99	467.39	38.60	13.108
10,010.00	9,954.95	9,966.85	9,954.95	23.37	15.53	86.24	134.00	-160.50	505.99	467.38	38.61	13.104
10,100.00	10,044.95	10,052.42	10,040.35	23.41	15.56	85.81	137.76	-160.50	506.27	467.65	38.62	13.109
10,200.00	10,144.95	10,141.33	10,127.02	23.46	15.58	83.65	157.02	-160.53	508.31	469.90	38.41	13.234
10,300.00	10,244.95	10,220.79	10,200.28	23.50	15.61	80.25	187.56	-160.56	514.18	476.19	37.99	13.534
10,329.59	10,274.54	10,242.11	10,218.98	23.50	15.62	79.12	197.79	-160.57	517.05	479.27	37.78	13.686
10,350.00	10,294.94	10,256.38	10,231.23	23.50	15.62	78.16	205.10	-160.58	519.31	481.65	37.66	13.790
10,375.00	10,319.88	10,275.00	10,246.89	23.51	15.63	76.84	215.18	-160.60	522.26	484.74	37.52	13.920
10,400.00	10,344.69	10,290.79	10,259.85	23.51	15.64	75.69	224.21	-160.61	525.36	487.95	37.40	14.046
10,425.00	10,369.31	10,307.74	10,273.42	23.51	15.64	74.50	234.37	-160.62	528.59	491.29	37.30	14.172
10,450.00	10,393.67	10,325.00	10,286.85	23.51	15.65	73.32	245.20	-160.63	531.92	494.71	37.21	14.296
10,475.00	10,417.71	10,341.20	10,299.10	23.52	15.66	72.22	255.79	-160.64	535.32	498.18	37.14	14.414
10,500.00	10,441.35	10,357.72	10,311.22	23.52	15.67	71.14	267.03	-160.66	538.77	501.68	37.09	14.526
10,525.00	10,464.54	10,375.00	10,323.46	23.52	15.68	70.07	279.22	-160.67	542.24	505.19	37.05	14.635
10,550.00	10,487.20	10,390.43	10,334.02	23.52	15.68	69.10	290.47	-160.68	545.69	508.65	37.04	14.732
10,575.00	10,509.28	10,406.63	10,344.70	23.53	15.69	68.15	302.65	-160.70	549.12	512.07	37.04	14.823
10,600.00	10,530.72	10,425.00	10,356.31	23.53	15.70	67.18	316.88	-160.71	552.49	515.45	37.04	14.914
10,625.00	10,551.46	10,438.77	10,364.65	23.53	15.71	66.39	327.84	-160.73	555.78	518.68	37.10	14.980
10,650.00	10,571.43	10,454.72	10,373.91	23.54	15.72	65.58	340.83	-160.74	558.97	521.82	37.15	15.045
10,675.00	10,590.60	10,470.60	10,382.69	23.54	15.73	64.82	354.06	-160.76	562.05	524.83	37.22	15.102
10,700.00	10,608.89	10,486.42	10,390.99	23.55	15.74	64.11	367.52	-160.77	564.99	527.70	37.30	15.149
10,725.00	10,626.27	10,500.00	10,397.77	23.56	15.75	63.50	379.29	-160.79	567.79	530.39	37.41	15.179
10,750.00	10,642.69	10,517.88	10,406.17	23.57	15.77	62.85	395.08	-160.81	570.41	532.93	37.48	15.218
10,775.00	10,658.10	10,533.54	10,413.03	23.58	15.78	62.30	409.15	-160.82	572.86	535.27	37.59	15.240
10,800.00	10,672.45	10,550.00	10,419.75	23.59	15.79	61.78	424.17	-160.84	575.11	537.41	37.70	15.257
10,825.00	10,685.72	10,564.74	10,425.32	23.60	15.81	61.35	437.82	-160.86	577.15	539.33	37.82	15.259
10,850.00	10,697.86	10,580.29	10,430.74	23.61	15.82	60.95	452.39	-160.87	578.99	541.04	37.95	15.258
10,875.00	10,708.84	10,600.00	10,436.92	23.63	15.84	60.56	471.11	-160.89	580.62	542.58	38.04	15.264
10,900.00	10,718.62	10,611.31	10,440.12	23.64	15.85	60.31	481.95	-160.91	581.97	543.77	38.20	15.233
10,925.00	10,727.19	10,625.00	10,443.64	23.66	15.86	60.09	495.18	-160.92	583.12	544.76	38.35	15.205
10,950.00	10,734.52	10,642.25	10,447.54	23.68	15.88	59.89	511.98	-160.94	584.01	545.54	38.47	15.182
10,975.00	10,740.59	10,657.70	10,450.51	23.71	15.90	59.75	527.14	-160.96	584.65	546.06	38.60	15.147
11,000.00	10,745.38	10,675.00	10,453.26	23.73	15.92	59.65	544.23	-160.98	585.06	546.34	38.72	15.112
11,025.00	10,748.89	10,688.58	10,454.98	23.76	15.93	59.64	557.69	-161.00	585.20	546.34	38.86	15.060
11,050.00	10,751.09	10,700.00	10,456.13	23.79	15.95	59.65	569.06	-161.01	585.11	546.11	39.01	15.000
11,075.00	10,751.98	10,719.45	10,457.46	23.82	15.97	59.74	588.47	-161.03	584.73	545.62	39.11	14.952
11,078.01	10,752.00	10,725.00	10,457.70	23.82	15.98	59.76	594.01	-161.04	584.69	545.59	39.10	14.953
11,100.00	10,752.07	10,734.91	10,457.96	23.85	15.99	59.78	603.91	-161.05	584.37	545.15	39.23	14.898
11,200.00	10,752.40	10,832.71	10,458.79	24.01	16.16	59.82	701.71	-161.16	584.11	544.54	39.57	14.761
11,300.00	10,752.74	10,932.71	10,459.62	24.20	16.38	59.86	801.71	-161.28	583.86	543.89	39.96	14.610
11,400.00	10,753.07	11,032.71	10,460.46	24.43	16.65	59.91	901.70	-161.40	583.61	543.19	40.41	14.442
11,500.00	10,753.40	11,132.71	10,461.29	24.68	16.97	59.95	1,001.70	-161.52	583.35	542.44	40.91	14.258
11,600.00	10,753.73	11,232.71	10,462.12	24.95	17.33	59.99	1,101.69	-161.63	583.10	541.63	41.47	14.062
11,700.00	10,754.06	11,332.71	10,462.96	25.26	17.74	60.04	1,201.69	-161.75	582.85	540.78	42.07	13.854
11,800.00	10,754.39	11,432.71	10,463.79	25.59	18.18	60.08	1,301.68	-161.87	582.60	539.88	42.72	13.637
11,900.00	10,754.72	11,532.70	10,464.63	25.95	18.66	60.12	1,401.68	-161.98	582.35	538.93	43.42	13.412
12,000.00	10,755.05	11,632.70	10,465.46	26.33	19.17	60.16	1,501.67	-162.10	582.10	537.94	44.16	13.181
12,100.00	10,755.38	11,732.70	10,466.30	26.73	19.70	60.21	1,601.67	-162.22	581.85	536.91	44.94	12.946
12,200.00	10,755.71	11,832.70	10,467.13	27.15	20.26	60.25	1,701.66	-162.34	581.60	535.84	45.76	12.708
12,300.00	10,756.04	11,932.70	10,467.97	27.60	20.84	60.29	1,801.66	-162.45	581.35	534.73	46.62	12.469

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,400.00	10,756.38	12,032.70	10,468.80	28.06	21.44	60.34	1,901.65	-162.57	581.10	533.58	47.52	12.229	
12,500.00	10,756.71	12,132.70	10,469.63	28.55	22.06	60.38	2,001.65	-162.69	580.85	532.41	48.45	11.990	
12,600.00	10,757.04	12,232.69	10,470.47	29.05	22.70	60.42	2,101.65	-162.80	580.61	531.20	49.41	11.752	
12,700.00	10,757.37	12,332.69	10,471.30	29.57	23.35	60.47	2,201.64	-162.92	580.36	529.96	50.40	11.516	
12,800.00	10,757.70	12,432.69	10,472.14	30.10	24.01	60.51	2,301.64	-163.04	580.11	528.70	51.41	11.283	
12,900.00	10,758.03	12,532.69	10,472.97	30.65	24.69	60.55	2,401.63	-163.15	579.86	527.40	52.46	11.054	
13,000.00	10,758.36	12,632.69	10,473.81	31.21	25.37	60.60	2,501.63	-163.27	579.62	526.09	53.53	10.828	
13,100.00	10,758.69	12,732.69	10,474.64	31.79	26.07	60.64	2,601.62	-163.39	579.37	524.75	54.62	10.607	
13,200.00	10,759.02	12,832.69	10,475.47	32.38	26.78	60.68	2,701.62	-163.51	579.12	523.39	55.74	10.390	
13,300.00	10,759.35	12,932.69	10,476.31	32.98	27.49	60.73	2,801.61	-163.62	578.88	522.00	56.88	10.178	
13,400.00	10,759.68	13,032.68	10,477.14	33.59	28.22	60.77	2,901.61	-163.74	578.63	520.60	58.03	9.971	
13,500.00	10,760.02	13,132.68	10,477.98	34.22	28.95	60.81	3,001.60	-163.86	578.39	519.18	59.21	9.768	
13,600.00	10,760.35	13,232.68	10,478.81	34.85	29.69	60.86	3,101.60	-163.97	578.14	517.74	60.40	9.571	
13,700.00	10,760.68	13,332.68	10,479.65	35.49	30.43	60.90	3,201.59	-164.09	577.90	516.28	61.62	9.379	
13,800.00	10,761.01	13,432.68	10,480.48	36.14	31.18	60.95	3,301.59	-164.21	577.65	514.81	62.84	9.192	
13,900.00	10,761.34	13,532.68	10,481.32	36.80	31.93	60.99	3,401.58	-164.33	577.41	513.33	64.09	9.010	
14,000.00	10,761.67	13,632.68	10,482.15	37.47	32.69	61.03	3,501.58	-164.44	577.17	511.83	65.34	8.833	
14,100.00	10,762.00	13,732.68	10,482.98	38.15	33.46	61.08	3,601.57	-164.56	576.92	510.31	66.61	8.661	
14,200.00	10,762.33	13,832.67	10,483.82	38.83	34.23	61.12	3,701.57	-164.68	576.68	508.79	67.89	8.494	
14,300.00	10,762.66	13,932.67	10,484.65	39.52	35.00	61.16	3,801.56	-164.79	576.44	507.25	69.19	8.331	
14,400.00	10,762.99	14,032.67	10,485.49	40.22	35.78	61.21	3,901.56	-164.91	576.20	505.70	70.50	8.174	
14,500.00	10,763.33	14,132.67	10,486.32	40.92	36.56	61.25	4,001.55	-165.03	575.96	504.14	71.81	8.020	
14,600.00	10,763.66	14,232.67	10,487.16	41.63	37.35	61.30	4,101.55	-165.15	575.71	502.57	73.14	7.871	
14,700.00	10,763.99	14,332.67	10,487.99	42.34	38.13	61.34	4,201.54	-165.26	575.47	500.99	74.48	7.727	
14,800.00	10,764.32	14,432.67	10,488.82	43.06	38.92	61.38	4,301.54	-165.38	575.23	499.41	75.83	7.586	
14,900.00	10,764.65	14,532.67	10,489.66	43.79	39.72	61.43	4,401.53	-165.50	574.99	497.81	77.18	7.450	
15,000.00	10,764.98	14,632.66	10,490.49	44.51	40.51	61.47	4,501.53	-165.61	574.75	496.21	78.55	7.317	
15,100.00	10,765.31	14,732.66	10,491.33	45.25	41.31	61.52	4,601.52	-165.73	574.51	494.59	79.92	7.189	
15,200.00	10,765.64	14,832.66	10,492.16	45.99	42.11	61.56	4,701.52	-165.85	574.27	492.97	81.30	7.064	
15,300.00	10,765.97	14,932.66	10,493.00	46.73	42.91	61.60	4,801.52	-165.96	574.03	491.35	82.69	6.942	
15,400.00	10,766.30	15,032.66	10,493.83	47.47	43.72	61.65	4,901.51	-166.08	573.80	489.71	84.08	6.824	
15,500.00	10,766.63	15,132.66	10,494.67	48.22	44.53	61.69	5,001.51	-166.20	573.56	488.07	85.49	6.709	
15,600.00	10,766.97	15,232.66	10,495.50	48.97	45.33	61.74	5,101.50	-166.32	573.32	486.43	86.89	6.598	
15,700.00	10,767.30	15,332.66	10,496.33	49.73	46.14	61.78	5,201.50	-166.43	573.08	484.77	88.31	6.490	
15,800.00	10,767.63	15,432.65	10,497.17	50.49	46.96	61.83	5,301.49	-166.55	572.84	483.11	89.73	6.384	
15,900.00	10,767.96	15,532.65	10,498.00	51.25	47.77	61.87	5,401.49	-166.67	572.61	481.45	91.16	6.282	
16,000.00	10,768.29	15,632.65	10,498.84	52.02	48.58	61.92	5,501.48	-166.78	572.37	479.78	92.59	6.182	
16,100.00	10,768.62	15,732.65	10,499.67	52.79	49.40	61.96	5,601.48	-166.90	572.13	478.11	94.03	6.085	
16,200.00	10,768.95	15,832.65	10,500.51	53.56	50.22	62.00	5,701.47	-167.02	571.90	476.43	95.47	5.990	
16,300.00	10,769.28	15,932.65	10,501.34	54.33	51.04	62.05	5,801.47	-167.14	571.66	474.75	96.92	5.898	
16,400.00	10,769.61	16,032.65	10,502.18	55.11	51.86	62.09	5,901.46	-167.25	571.43	473.06	98.37	5.809	
16,500.00	10,769.94	16,132.65	10,503.01	55.89	52.68	62.14	6,001.46	-167.37	571.19	471.37	99.83	5.722	
16,600.00	10,770.27	16,232.64	10,503.84	56.67	53.50	62.18	6,101.45	-167.49	570.96	469.67	101.29	5.637	
16,700.00	10,770.61	16,332.64	10,504.68	57.45	54.33	62.23	6,201.45	-167.60	570.72	467.97	102.75	5.554	
16,800.00	10,770.94	16,432.64	10,505.51	58.24	55.15	62.27	6,301.44	-167.72	570.49	466.27	104.22	5.474	
16,900.00	10,771.27	16,532.64	10,506.35	59.02	55.98	62.32	6,401.44	-167.84	570.26	464.56	105.70	5.395	
17,000.00	10,771.60	16,632.64	10,507.18	59.81	56.80	62.36	6,501.43	-167.95	570.02	462.85	107.18	5.319	
17,100.00	10,771.93	16,732.64	10,508.02	60.60	57.63	62.41	6,601.43	-168.07	569.79	461.13	108.66	5.244	
17,200.00	10,772.26	16,832.64	10,508.85	61.39	58.46	62.45	6,701.42	-168.19	569.56	459.42	110.14	5.171	
17,300.00	10,772.59	16,932.64	10,509.68	62.19	59.29	62.50	6,801.42	-168.31	569.33	457.69	111.63	5.100	
17,400.00	10,772.92	17,032.63	10,510.52	62.99	60.12	62.54	6,901.41	-168.42	569.09	455.97	113.12	5.031	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	
17,500.00	10,773.25	17,132.63	10,511.35	63.78	60.95	62.59	7,001.41	-168.54	568.86	454.24	114.62	4.963	
17,600.00	10,773.58	17,232.63	10,512.19	64.58	61.78	62.63	7,101.40	-168.66	568.63	452.51	116.12	4.897	
17,700.00	10,773.91	17,332.63	10,513.02	65.38	62.61	62.68	7,201.40	-168.77	568.40	450.78	117.62	4.833	
17,800.00	10,774.25	17,432.63	10,513.86	66.18	63.44	62.72	7,301.39	-168.89	568.17	449.05	119.12	4.770	
17,900.00	10,774.58	17,532.63	10,514.69	66.99	64.28	62.77	7,401.39	-169.01	567.94	447.31	120.63	4.708	
18,000.00	10,774.91	17,632.63	10,515.53	67.79	65.11	62.81	7,501.39	-169.13	567.71	445.57	122.14	4.648	
18,100.00	10,775.24	17,732.63	10,516.36	68.60	65.95	62.86	7,601.38	-169.24	567.48	443.82	123.66	4.589	
18,200.00	10,775.57	17,832.62	10,517.19	69.41	66.78	62.90	7,701.38	-169.36	567.25	442.08	125.17	4.532	
18,300.00	10,775.90	17,932.62	10,518.03	70.21	67.62	62.95	7,801.37	-169.48	567.02	440.33	126.69	4.476	
18,400.00	10,776.23	18,032.62	10,518.86	71.02	68.45	62.99	7,901.37	-169.59	566.80	438.58	128.21	4.421	
18,500.00	10,776.56	18,132.62	10,519.70	71.83	69.29	63.04	8,001.36	-169.71	566.57	436.83	129.74	4.367	
18,600.00	10,776.89	18,232.62	10,520.53	72.65	70.13	63.08	8,101.36	-169.83	566.34	435.08	131.26	4.315	
18,700.00	10,777.22	18,332.62	10,521.37	73.46	70.96	63.13	8,201.35	-169.95	566.11	433.32	132.79	4.263	
18,800.00	10,777.56	18,432.62	10,522.20	74.27	71.80	63.18	8,301.35	-170.06	565.89	431.56	134.32	4.213	
18,900.00	10,777.89	18,532.62	10,523.04	75.09	72.64	63.22	8,401.34	-170.18	565.66	429.80	135.86	4.164	
19,000.00	10,778.22	18,632.61	10,523.87	75.90	73.48	63.27	8,501.34	-170.30	565.43	428.04	137.39	4.115	
19,100.00	10,778.55	18,732.61	10,524.70	76.72	74.32	63.31	8,601.33	-170.41	565.21	426.28	138.93	4.068	
19,200.00	10,778.88	18,832.61	10,525.54	77.54	75.16	63.36	8,701.33	-170.53	564.98	424.51	140.47	4.022	
19,300.00	10,779.21	18,932.61	10,526.37	78.36	76.00	63.40	8,801.32	-170.65	564.76	422.74	142.02	3.977	
19,400.00	10,779.54	19,032.61	10,527.21	79.18	76.84	63.45	8,901.32	-170.76	564.53	420.97	143.56	3.932	
19,500.00	10,779.87	19,132.61	10,528.04	80.00	77.68	63.50	9,001.31	-170.88	564.31	419.20	145.11	3.889	
19,600.00	10,780.20	19,232.61	10,528.88	80.82	78.52	63.54	9,101.31	-171.00	564.08	417.43	146.66	3.846	
19,700.00	10,780.53	19,332.61	10,529.71	81.64	79.36	63.59	9,201.30	-171.12	563.86	415.66	148.21	3.805	
19,800.00	10,780.86	19,432.60	10,530.54	82.46	80.21	63.63	9,301.30	-171.23	563.64	413.88	149.76	3.764	
19,900.00	10,781.20	19,532.60	10,531.38	83.28	81.05	63.68	9,401.29	-171.35	563.42	412.10	151.31	3.724	
20,000.00	10,781.53	19,632.60	10,532.21	84.11	81.89	63.72	9,501.29	-171.47	563.19	410.32	152.87	3.684	
20,100.00	10,781.86	19,732.60	10,533.05	84.93	82.73	63.77	9,601.28	-171.58	562.97	408.54	154.43	3.646	
20,200.00	10,782.19	19,832.60	10,533.88	85.76	83.58	63.82	9,701.28	-171.70	562.75	406.76	155.99	3.608	
20,300.00	10,782.52	19,932.60	10,534.72	86.58	84.42	63.86	9,801.27	-171.82	562.53	404.98	157.55	3.570	
20,400.00	10,782.85	20,032.60	10,535.55	87.41	85.26	63.91	9,901.27	-171.94	562.31	403.19	159.11	3.534	
20,500.00	10,783.18	20,132.59	10,536.39	88.23	86.11	63.95	10,001.26	-172.05	562.09	401.41	160.68	3.498	
20,600.00	10,783.51	20,232.59	10,537.22	89.06	86.95	64.00	10,101.26	-172.17	561.87	399.62	162.24	3.463	
20,700.00	10,783.84	20,332.59	10,538.05	89.89	87.80	64.05	10,201.26	-172.29	561.65	397.83	163.81	3.429	
20,800.00	10,784.17	20,432.59	10,538.89	90.72	88.64	64.09	10,301.25	-172.40	561.43	396.04	165.38	3.395	
20,900.00	10,784.50	20,532.59	10,539.72	91.55	89.48	64.14	10,401.25	-172.52	561.21	394.25	166.96	3.361	
21,000.00	10,784.84	20,632.59	10,540.56	92.38	90.33	64.19	10,501.24	-172.64	560.99	392.46	168.53	3.329	
21,049.69	10,785.00	20,682.28	10,540.97	92.79	90.75	64.21	10,550.93	-172.70	560.88	391.57	169.31	3.313	
21,050.14	10,785.00	20,682.73	10,540.98	92.79	90.75	64.21	10,551.38	-172.70	560.88	391.56	169.32	3.313	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 905H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1+SAG+FDIR, 10148-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	179.43	-20.00	0.20	20.00				
100.00	100.00	100.00	100.00	0.77	0.77	179.43	-20.00	0.20	20.00	18.01	1.99	10.045	
200.00	200.00	200.00	200.00	1.44	1.44	179.43	-20.00	0.20	20.00	16.69	3.31	6.040	
300.00	300.00	300.00	300.00	1.88	1.88	179.43	-20.00	0.20	20.00	15.81	4.20	4.767	
400.00	400.00	400.00	400.00	2.25	2.25	179.43	-20.00	0.20	20.00	15.09	4.91	4.072	
500.00	500.00	500.00	500.00	2.56	2.56	179.43	-20.00	0.20	20.00	14.47	5.53	3.615	
600.00	600.00	600.00	600.00	2.84	2.84	179.43	-20.00	0.20	20.00	13.91	6.09	3.284	
700.00	700.00	700.00	700.00	3.10	3.10	179.43	-20.00	0.20	20.00	13.40	6.60	3.030	
800.00	800.00	800.00	800.00	3.34	3.34	179.43	-20.00	0.20	20.00	12.92	7.08	2.826	Normal Operations
900.00	900.00	900.00	900.00	3.57	3.57	179.43	-20.00	0.20	20.00	12.48	7.52	2.658	Normal Operations
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	179.43	-20.00	0.20	20.00	12.05	7.95	2.517	Normal Operations
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	179.43	-20.00	0.20	20.00	11.65	8.35	2.395	Caution - Monitor Closely
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	179.43	-20.00	0.20	20.00	11.26	8.74	2.289	Caution - Monitor Closely
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	179.43	-20.00	0.20	20.00	10.89	9.11	2.195	Caution - Monitor Closely
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	179.43	-20.00	0.20	20.00	10.53	9.47	2.111	Caution - Monitor Closely
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	179.43	-20.00	0.20	20.00	10.18	9.82	2.036	Caution - Monitor Closely
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	179.43	-20.00	0.20	20.00	9.84	10.16	1.968	Caution - Monitor Closely
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	179.43	-20.00	0.20	20.00	9.51	10.49	1.906	Caution - Monitor Closely
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	179.43	-20.00	0.20	20.00	9.19	10.82	1.849	Caution - Monitor Closely
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	179.43	-20.00	0.20	20.00	8.87	11.13	1.797	Caution - Monitor Closely
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	179.43	-20.00	0.20	20.00	8.56	11.44	1.748	Caution - Monitor Closely, CC
2,100.00	2,099.98	2,100.01	2,099.99	5.79	5.78	-99.12	-20.00	-1.55	20.26	8.54	11.72	1.729	Caution - Monitor Closely, ES, SF
2,200.00	2,199.84	2,200.01	2,199.85	6.01	6.00	-98.92	-20.00	-6.78	21.05	9.07	11.98	1.757	Caution - Monitor Closely
2,300.00	2,299.45	2,300.00	2,299.45	6.26	6.21	-98.63	-20.00	-15.49	22.35	10.12	12.23	1.828	Caution - Monitor Closely
2,400.00	2,398.70	2,399.98	2,398.69	6.52	6.42	-98.26	-20.00	-27.68	24.18	11.70	12.48	1.937	Caution - Monitor Closely
2,499.94	2,497.41	2,499.89	2,497.36	6.80	6.62	-97.87	-20.00	-43.30	26.52	13.78	12.74	2.082	Caution - Monitor Closely
2,600.00	2,595.95	2,599.86	2,595.48	7.04	6.83	-94.12	-20.00	-62.37	29.20	16.22	12.99	2.248	Caution - Monitor Closely
2,700.00	2,694.43	2,699.51	2,692.58	7.29	7.03	-84.97	-20.00	-84.78	32.63	19.36	13.27	2.459	Caution - Monitor Closely
2,800.00	2,792.91	2,798.95	2,788.74	7.56	7.12	-73.41	-20.00	-110.08	37.91	24.32	13.59	2.790	Normal Operations
2,900.00	2,891.39	2,898.52	2,884.92	7.84	7.26	-64.43	-20.00	-135.85	44.59	30.55	14.04	3.176	
3,000.00	2,989.87	2,998.08	2,981.09	8.15	7.40	-57.90	-20.00	-161.62	52.08	37.56	14.52	3.587	
3,100.00	3,088.35	3,097.65	3,077.27	8.46	7.55	-53.05	-20.00	-187.39	60.07	45.05	15.01	4.001	
3,200.00	3,186.83	3,197.22	3,173.45	8.79	7.70	-49.36	-20.00	-213.16	68.38	52.87	15.51	4.408	
3,300.00	3,285.31	3,296.79	3,269.62	9.13	7.86	-46.48	-20.00	-238.94	76.92	60.89	16.02	4.801	
3,400.00	3,383.80	3,396.36	3,365.80	9.48	8.02	-44.17	-20.00	-264.71	85.61	69.07	16.54	5.177	
3,500.00	3,482.28	3,495.93	3,461.97	9.84	8.18	-42.29	-20.00	-290.48	94.41	77.35	17.06	5.534	
3,600.00	3,580.76	3,595.50	3,558.15	10.21	8.35	-40.74	-20.00	-316.25	103.29	85.70	17.59	5.872	
3,700.00	3,679.24	3,695.07	3,654.32	10.58	8.52	-39.43	-20.00	-342.02	112.24	94.12	18.13	6.192	
3,800.00	3,777.72	3,794.63	3,750.50	10.96	8.69	-38.31	-20.00	-367.79	121.24	102.57	18.67	6.493	
3,900.00	3,876.20	3,894.20	3,846.68	11.35	8.86	-37.35	-20.00	-393.56	130.28	111.05	19.23	6.777	
4,000.00	3,974.68	3,993.77	3,942.85	11.74	9.04	-36.52	-20.00	-419.33	139.35	119.57	19.78	7.044	
4,100.00	4,073.16	4,093.34	4,039.03	12.13	9.22	-35.78	-20.00	-445.10	148.45	128.10	20.35	7.295	
4,200.00	4,171.64	4,192.91	4,135.20	12.53	9.41	-35.14	-20.00	-470.87	157.56	136.64	20.92	7.532	
4,300.00	4,270.13	4,292.48	4,231.38	12.93	9.59	-34.56	-20.00	-496.64	166.70	145.20	21.50	7.755	
4,400.00	4,368.61	4,392.05	4,327.56	13.34	9.78	-34.04	-20.00	-522.41	175.85	153.77	22.08	7.965	
4,500.00	4,467.09	4,491.61	4,423.73	13.75	9.97	-33.57	-20.00	-548.18	185.01	162.35	22.66	8.163	
4,600.00	4,565.57	4,591.18	4,519.91	14.16	10.16	-33.15	-20.00	-573.95	194.18	170.93	23.25	8.350	
4,700.00	4,664.05	4,690.75	4,616.08	14.58	10.35	-32.77	-20.00	-599.72	203.37	179.52	23.85	8.527	
4,800.00	4,762.53	4,790.32	4,712.26	15.00	10.55	-32.42	-20.00	-625.49	212.56	188.11	24.45	8.694	
4,900.00	4,861.01	4,889.89	4,808.44	15.42	10.75	-32.09	-20.00	-651.26	221.76	196.71	25.05	8.852	
5,000.00	4,959.49	4,989.46	4,904.61	15.84	10.94	-31.80	-20.00	-677.03	230.96	205.31	25.66	9.002	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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				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		
5,100.00	5,057.97	5,089.03	5,000.79	16.26	11.14	-31.52	-20.00	-702.80	240.17	213.91	26.27	9.144		
5,200.00	5,156.46	5,188.59	5,096.96	16.69	11.35	-31.27	-20.00	-728.57	249.39	222.51	26.88	9.279		
5,300.00	5,254.94	5,288.16	5,193.14	17.11	11.55	-31.03	-20.00	-754.34	258.61	231.12	27.49	9.407		
5,400.00	5,353.42	5,387.73	5,289.31	17.54	11.76	-30.82	-20.00	-780.11	267.83	239.72	28.11	9.528		
5,500.00	5,451.90	5,487.30	5,385.49	17.97	11.96	-30.61	-20.00	-805.88	277.06	248.33	28.73	9.644		
5,600.00	5,550.38	5,586.87	5,481.67	18.40	12.17	-30.42	-20.00	-831.65	286.29	256.94	29.35	9.754		
5,624.17	5,574.18	5,610.93	5,504.91	18.50	12.22	-30.38	-20.00	-837.88	288.52	259.03	29.49	9.783		
5,700.00	5,648.95	5,686.39	5,577.80	18.82	12.38	-30.23	-20.00	-857.41	295.96	266.00	29.96	9.878		
5,800.00	5,747.78	5,785.75	5,673.77	19.24	12.59	-29.91	-20.00	-883.13	307.09	276.49	30.60	10.036		
5,900.00	5,846.87	5,884.91	5,769.55	19.65	12.79	-29.47	-20.00	-908.79	319.74	288.50	31.24	10.236		
6,000.00	5,946.18	5,989.52	5,870.84	20.05	13.02	-28.95	-20.00	-934.95	333.09	301.16	31.93	10.432		
6,100.00	6,045.68	6,094.44	5,972.88	20.44	13.24	-28.44	-20.00	-959.32	346.28	313.68	32.60	10.623		
6,200.00	6,145.33	6,199.63	6,075.63	20.81	13.45	-27.92	-20.00	-981.88	359.31	326.08	33.24	10.811		
6,300.00	6,245.12	6,305.11	6,179.05	21.17	13.66	-27.41	-20.00	-1,002.60	372.19	338.34	33.85	10.996		
6,400.00	6,345.00	6,410.87	6,283.11	21.50	13.87	-26.90	-20.00	-1,021.47	384.90	350.48	34.43	11.181		
6,500.00	6,444.96	6,516.90	6,387.77	21.80	14.07	-26.39	-20.00	-1,038.45	397.45	362.49	34.96	11.368		
6,600.00	6,544.95	6,623.21	6,493.00	22.04	14.27	-25.89	-20.00	-1,053.52	409.84	374.41	35.43	11.567		
6,624.05	6,569.00	6,648.82	6,518.40	22.06	14.32	-107.15	-20.00	-1,056.86	412.79	377.29	35.50	11.627		
6,700.00	6,644.95	6,729.85	6,598.83	22.08	14.47	-106.75	-20.00	-1,066.68	421.60	385.92	35.68	11.816		
6,800.00	6,744.95	6,836.95	6,705.34	22.11	14.66	-106.32	-20.00	-1,077.91	431.66	395.76	35.90	12.024		
6,900.00	6,844.95	6,944.44	6,812.42	22.15	14.84	-105.98	-20.00	-1,087.18	439.94	403.85	36.09	12.189		
7,000.00	6,944.95	7,052.23	6,919.97	22.19	15.01	-105.72	-20.00	-1,094.46	446.44	410.17	36.26	12.311		
7,100.00	7,044.95	7,160.26	7,027.87	22.22	15.18	-105.54	-20.00	-1,099.72	451.13	414.72	36.41	12.390		
7,200.00	7,144.95	7,268.46	7,136.02	22.26	15.33	-105.43	-20.00	-1,102.95	454.00	417.47	36.53	12.428		
7,300.00	7,244.95	7,376.73	7,244.28	22.30	15.44	-105.39	-20.00	-1,104.13	455.06	418.46	36.60	12.435		
7,400.00	7,344.95	7,477.40	7,344.95	22.33	15.50	-105.39	-20.00	-1,104.14	455.07	418.38	36.68	12.405		
7,500.00	7,444.95	7,577.40	7,444.95	22.37	15.55	-105.39	-20.00	-1,104.14	455.07	418.29	36.77	12.375		
7,600.00	7,544.95	7,677.40	7,544.95	22.41	15.59	-105.39	-20.00	-1,104.14	455.07	418.21	36.86	12.346		
7,700.00	7,644.95	7,777.40	7,644.95	22.44	15.64	-105.39	-20.00	-1,104.14	455.07	418.12	36.95	12.317		
7,800.00	7,744.95	7,877.40	7,744.95	22.48	15.69	-105.39	-20.00	-1,104.14	455.07	418.03	37.03	12.288		
7,900.00	7,844.95	7,977.40	7,844.95	22.52	15.74	-105.39	-20.00	-1,104.14	455.07	417.95	37.12	12.259		
8,000.00	7,944.95	8,077.40	7,944.95	22.56	15.79	-105.39	-20.00	-1,104.14	455.07	417.86	37.21	12.230		
8,100.00	8,044.95	8,177.40	8,044.95	22.60	15.84	-105.39	-20.00	-1,104.14	455.07	417.77	37.30	12.201		
8,200.00	8,144.95	8,277.40	8,144.95	22.64	15.89	-105.39	-20.00	-1,104.14	455.07	417.68	37.39	12.172		
8,300.00	8,244.95	8,377.40	8,244.95	22.67	15.94	-105.39	-20.00	-1,104.14	455.07	417.59	37.48	12.143		
8,400.00	8,344.95	8,477.40	8,344.95	22.71	15.99	-105.39	-20.00	-1,104.14	455.07	417.50	37.57	12.114		
8,500.00	8,444.95	8,577.40	8,444.95	22.75	16.04	-105.39	-20.00	-1,104.14	455.07	417.41	37.66	12.085		
8,600.00	8,544.95	8,677.40	8,544.95	22.79	16.09	-105.39	-20.00	-1,104.14	455.07	417.32	37.75	12.056		
8,700.00	8,644.95	8,777.40	8,644.95	22.83	16.14	-105.39	-20.00	-1,104.14	455.07	417.23	37.84	12.027		
8,800.00	8,744.95	8,877.40	8,744.95	22.87	16.19	-105.39	-20.00	-1,104.14	455.07	417.14	37.93	11.998		
8,900.00	8,844.95	8,977.40	8,844.95	22.91	16.25	-105.39	-20.00	-1,104.14	455.07	417.04	38.02	11.968		
9,000.00	8,944.95	9,077.40	8,944.95	22.95	16.30	-105.39	-20.00	-1,104.14	455.07	416.95	38.12	11.939		
9,100.00	9,044.95	9,177.40	9,044.95	22.99	16.35	-105.39	-20.00	-1,104.14	455.07	416.86	38.21	11.910		
9,200.00	9,144.95	9,277.40	9,144.95	23.04	16.40	-105.39	-20.00	-1,104.14	455.07	416.76	38.30	11.881		
9,300.00	9,244.95	9,377.40	9,244.95	23.08	16.45	-105.39	-20.00	-1,104.14	455.07	416.67	38.40	11.852		
9,400.00	9,344.95	9,477.40	9,344.95	23.12	16.51	-105.39	-20.00	-1,104.14	455.07	416.58	38.49	11.823		
9,500.00	9,444.95	9,577.40	9,444.95	23.16	16.56	-105.39	-20.00	-1,104.14	455.07	416.48	38.59	11.794		
9,600.00	9,544.95	9,677.40	9,544.95	23.20	16.61	-105.39	-20.00	-1,104.14	455.07	416.39	38.68	11.764		
9,700.00	9,644.95	9,777.40	9,644.95	23.24	16.67	-105.39	-20.00	-1,104.14	455.07	416.29	38.78	11.735		
9,800.00	9,744.95	9,877.40	9,744.95	23.29	16.72	-105.39	-20.00	-1,104.14	455.07	416.19	38.87	11.706		
9,900.00	9,844.95	9,977.40	9,844.95	23.33	16.77	-105.39	-20.00	-1,104.14	455.07	416.10	38.97	11.677		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	Between Centres	Between Ellipses	No-Go Distance	Separation Factor	Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
10,000.00	9,944.95	10,077.40	9,944.95	23.37	16.83	-105.39	-20.00	-1,104.14	455.07	416.00	39.07	11.648	
10,100.00	10,044.95	10,185.65	10,053.16	23.41	16.87	-105.21	-18.52	-1,104.19	454.80	415.68	39.12	11.627	
10,200.00	10,144.95	10,307.81	10,172.39	23.46	16.87	-102.11	6.48	-1,105.06	450.51	411.10	39.40	11.434	
10,300.00	10,244.95	10,411.81	10,266.14	23.50	16.87	-96.44	51.00	-1,106.62	444.53	404.49	40.04	11.102	
10,329.59	10,274.54	10,438.35	10,288.33	23.50	16.87	-94.56	65.54	-1,107.13	443.35	403.12	40.23	11.020	
10,350.00	10,294.94	10,455.81	10,302.48	23.50	16.87	-93.27	75.77	-1,107.48	442.88	402.51	40.37	10.970	
10,368.41	10,313.32	10,471.25	10,314.67	23.51	16.87	-92.16	85.24	-1,107.82	442.75	402.25	40.49	10.934	
10,375.00	10,319.88	10,476.71	10,318.91	23.51	16.88	-91.76	88.69	-1,107.94	442.76	402.23	40.54	10.923	
10,400.00	10,344.69	10,497.14	10,334.40	23.51	16.88	-90.25	101.99	-1,108.40	443.13	402.44	40.69	10.890	
10,425.00	10,369.31	10,517.14	10,349.00	23.51	16.88	-88.74	115.64	-1,108.88	443.96	403.13	40.84	10.872	
10,450.00	10,393.67	10,536.74	10,362.75	23.51	16.89	-87.23	129.61	-1,109.36	445.23	404.26	40.97	10.867	
10,475.00	10,417.71	10,555.99	10,375.68	23.52	16.89	-85.72	143.86	-1,109.86	446.92	405.82	41.10	10.874	
10,500.00	10,441.35	10,575.00	10,387.87	23.52	16.90	-84.23	158.44	-1,110.37	448.99	407.76	41.22	10.891	
10,525.00	10,464.54	10,593.55	10,399.20	23.52	16.91	-82.75	173.11	-1,110.88	451.40	410.06	41.34	10.919	
10,550.00	10,487.20	10,611.91	10,409.84	23.52	16.92	-81.29	188.07	-1,111.41	454.14	412.69	41.45	10.956	
10,575.00	10,509.28	10,630.03	10,419.77	23.53	16.93	-79.85	203.21	-1,111.93	457.16	415.60	41.56	11.000	
10,600.00	10,530.72	10,650.00	10,430.04	23.53	16.94	-78.32	220.32	-1,112.53	460.44	418.78	41.66	11.052	
10,625.00	10,551.46	10,665.61	10,437.57	23.53	16.96	-77.05	233.98	-1,113.01	463.93	422.16	41.77	11.107	
10,650.00	10,571.43	10,683.10	10,445.46	23.54	16.97	-75.70	249.59	-1,113.55	467.60	425.73	41.87	11.168	
10,675.00	10,590.60	10,700.00	10,452.55	23.54	16.99	-74.41	264.92	-1,114.09	471.42	429.46	41.97	11.234	
10,700.00	10,608.89	10,717.59	10,459.33	23.55	17.01	-73.11	281.13	-1,114.66	475.36	433.30	42.06	11.302	
10,725.00	10,626.27	10,734.60	10,465.33	23.56	17.04	-71.88	297.05	-1,115.21	479.38	437.23	42.15	11.373	
10,750.00	10,642.69	10,750.00	10,470.26	23.57	17.06	-70.76	311.62	-1,115.72	483.46	441.22	42.24	11.445	
10,775.00	10,658.10	10,768.25	10,475.49	23.58	17.09	-69.56	329.09	-1,116.33	487.56	445.23	42.33	11.519	
10,800.00	10,672.45	10,784.89	10,479.68	23.59	17.11	-68.47	345.19	-1,116.89	491.66	449.25	42.41	11.593	
10,825.00	10,685.72	10,800.00	10,482.99	23.60	17.14	-67.49	359.92	-1,117.41	495.73	453.25	42.49	11.668	
10,850.00	10,697.86	10,817.88	10,486.31	23.61	17.17	-66.45	377.48	-1,118.02	499.75	457.18	42.57	11.741	
10,875.00	10,708.84	10,834.24	10,488.76	23.63	17.20	-65.53	393.64	-1,118.59	503.69	461.05	42.64	11.813	
10,900.00	10,718.62	10,850.00	10,490.60	23.64	17.24	-64.67	409.29	-1,119.13	507.53	464.82	42.70	11.885	
10,925.00	10,727.19	10,866.73	10,491.99	23.66	17.27	-63.83	425.94	-1,119.71	511.25	468.48	42.77	11.954	
10,950.00	10,734.52	10,882.87	10,492.77	23.68	17.30	-63.07	442.05	-1,120.28	514.83	472.00	42.82	12.022	
10,975.00	10,740.59	10,901.21	10,493.05	23.71	17.35	-62.32	460.38	-1,120.92	518.24	475.36	42.88	12.085	
11,000.00	10,745.38	10,925.76	10,493.22	23.73	17.41	-61.61	484.92	-1,121.77	521.18	478.22	42.97	12.129	
11,025.00	10,748.89	10,950.52	10,493.40	23.76	17.47	-61.09	509.66	-1,122.64	523.53	480.48	43.05	12.162	
11,050.00	10,751.09	10,975.42	10,493.58	23.79	17.54	-60.76	534.55	-1,123.51	525.25	482.13	43.12	12.180	
11,075.00	10,751.98	11,000.39	10,493.75	23.82	17.60	-60.62	559.50	-1,124.38	526.34	483.14	43.19	12.186	
11,078.01	10,752.00	11,003.40	10,493.78	23.82	17.61	-60.62	562.51	-1,124.48	526.43	483.22	43.20	12.185	
11,100.00	10,752.07	11,025.38	10,493.93	23.85	17.67	-60.67	584.47	-1,125.25	527.03	483.76	43.27	12.181	
11,200.00	10,752.40	11,125.32	10,494.64	24.01	17.98	-60.88	684.35	-1,128.74	529.79	486.19	43.60	12.151	
11,300.00	10,752.74	11,225.26	10,495.35	24.20	18.31	-61.09	784.23	-1,132.22	532.55	488.57	43.99	12.107	
11,400.00	10,753.07	11,325.21	10,496.07	24.43	18.67	-61.30	884.11	-1,135.71	535.32	490.90	44.43	12.050	
11,500.00	10,753.40	11,425.15	10,496.78	24.68	19.06	-61.51	983.99	-1,139.20	538.10	493.19	44.92	11.980	
11,600.00	10,753.73	11,525.09	10,497.49	24.95	19.48	-61.72	1,083.87	-1,142.69	540.89	495.43	45.46	11.898	
11,700.00	10,754.06	11,625.03	10,498.20	25.26	19.93	-61.92	1,183.75	-1,146.18	543.68	497.63	46.05	11.806	
11,800.00	10,754.39	11,724.98	10,498.91	25.59	20.40	-62.12	1,283.63	-1,149.66	546.48	499.79	46.69	11.705	
11,900.00	10,754.72	11,824.92	10,499.62	25.95	20.89	-62.32	1,383.51	-1,153.15	549.29	501.91	47.37	11.595	
12,000.00	10,755.05	11,924.86	10,500.34	26.33	21.41	-62.52	1,483.38	-1,156.64	552.10	504.00	48.10	11.477	
12,100.00	10,755.38	12,024.80	10,501.05	26.73	21.94	-62.71	1,583.26	-1,160.13	554.92	506.05	48.87	11.355	
12,200.00	10,755.71	12,141.46	10,501.88	27.15	22.58	-62.86	1,699.89	-1,162.39	556.39	506.73	49.66	11.204	
12,300.00	10,756.04	12,241.46	10,502.59	27.60	23.15	-62.89	1,799.89	-1,162.51	556.22	505.72	50.50	11.015	
12,400.00	10,756.38	12,341.46	10,503.30	28.06	23.74	-62.93	1,899.88	-1,162.63	556.04	504.67	51.37	10.824	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		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	
12,500.00	10,756.71	12,441.46	10,504.02	28.55	24.34	-62.96	1,999.88	-1,162.75	555.87	503.59	52.28	10.633		
12,600.00	10,757.04	12,541.46	10,504.73	29.05	24.96	-63.00	2,099.88	-1,162.86	555.69	502.48	53.22	10.442		
12,700.00	10,757.37	12,641.46	10,505.44	29.57	25.59	-63.03	2,199.87	-1,162.98	555.52	501.34	54.19	10.252		
12,800.00	10,757.70	12,741.46	10,506.15	30.10	26.23	-63.07	2,299.87	-1,163.10	555.35	500.17	55.18	10.064		
12,900.00	10,758.03	12,841.46	10,506.86	30.65	26.89	-63.10	2,399.87	-1,163.22	555.18	498.97	56.21	9.878		
13,000.00	10,758.36	12,941.46	10,507.58	31.21	27.55	-63.14	2,499.86	-1,163.33	555.00	497.75	57.25	9.694		
13,100.00	10,758.69	13,041.46	10,508.29	31.79	28.23	-63.17	2,599.86	-1,163.45	554.83	496.50	58.33	9.512		
13,200.00	10,759.02	13,141.46	10,509.00	32.38	28.91	-63.21	2,699.86	-1,163.57	554.66	495.24	59.42	9.334		
13,300.00	10,759.35	13,241.46	10,509.71	32.98	29.61	-63.24	2,799.85	-1,163.69	554.49	493.95	60.54	9.159		
13,400.00	10,759.68	13,341.45	10,510.43	33.59	30.31	-63.28	2,899.85	-1,163.80	554.31	492.64	61.68	8.987		
13,500.00	10,760.02	13,441.45	10,511.14	34.22	31.02	-63.31	2,999.85	-1,163.92	554.14	491.31	62.83	8.819		
13,600.00	10,760.35	13,541.45	10,511.85	34.85	31.73	-63.35	3,099.84	-1,164.04	553.97	489.96	64.01	8.655		
13,700.00	10,760.68	13,641.45	10,512.56	35.49	32.46	-63.38	3,199.84	-1,164.16	553.80	488.60	65.20	8.494		
13,800.00	10,761.01	13,741.45	10,513.27	36.14	33.19	-63.42	3,299.84	-1,164.27	553.63	487.22	66.41	8.337		
13,900.00	10,761.34	13,841.45	10,513.99	36.80	33.92	-63.45	3,399.83	-1,164.39	553.46	485.83	67.63	8.183		
14,000.00	10,761.67	13,941.45	10,514.70	37.47	34.66	-63.49	3,499.83	-1,164.51	553.29	484.42	68.87	8.033		
14,100.00	10,762.00	14,041.45	10,515.41	38.15	35.41	-63.52	3,599.83	-1,164.63	553.12	482.99	70.13	7.887		
14,200.00	10,762.33	14,141.45	10,516.12	38.83	36.16	-63.56	3,699.82	-1,164.74	552.95	481.56	71.39	7.745		
14,300.00	10,762.66	14,241.45	10,516.84	39.52	36.92	-63.59	3,799.82	-1,164.86	552.78	480.11	72.67	7.606		
14,400.00	10,762.99	14,341.45	10,517.55	40.22	37.68	-63.63	3,899.82	-1,164.98	552.61	478.64	73.96	7.471		
14,500.00	10,763.33	14,441.45	10,518.26	40.92	38.44	-63.67	3,999.81	-1,165.10	552.44	477.17	75.27	7.340		
14,600.00	10,763.66	14,541.45	10,518.97	41.63	39.21	-63.70	4,099.81	-1,165.21	552.27	475.69	76.58	7.212		
14,700.00	10,763.99	14,641.45	10,519.68	42.34	39.98	-63.74	4,199.81	-1,165.33	552.10	474.20	77.91	7.087		
14,800.00	10,764.32	14,741.44	10,520.40	43.06	40.75	-63.77	4,299.80	-1,165.45	551.93	472.69	79.24	6.965		
14,900.00	10,764.65	14,841.44	10,521.11	43.79	41.53	-63.81	4,399.80	-1,165.57	551.76	471.18	80.58	6.847		
15,000.00	10,764.98	14,941.44	10,521.82	44.51	42.31	-63.84	4,499.80	-1,165.68	551.60	469.66	81.94	6.732		
15,100.00	10,765.31	15,041.44	10,522.53	45.25	43.10	-63.88	4,599.79	-1,165.80	551.43	468.13	83.30	6.620		
15,200.00	10,765.64	15,141.44	10,523.24	45.99	43.88	-63.91	4,699.79	-1,165.92	551.26	466.59	84.67	6.511		
15,300.00	10,765.97	15,241.44	10,523.96	46.73	44.67	-63.95	4,799.79	-1,166.04	551.09	465.04	86.05	6.405		
15,400.00	10,766.30	15,341.44	10,524.67	47.47	45.47	-63.99	4,899.78	-1,166.15	550.92	463.49	87.43	6.301		
15,500.00	10,766.63	15,441.44	10,525.38	48.22	46.26	-64.02	4,999.78	-1,166.27	550.76	461.93	88.83	6.200		
15,600.00	10,766.97	15,541.44	10,526.09	48.97	47.06	-64.06	5,099.78	-1,166.39	550.59	460.37	90.22	6.102		
15,700.00	10,767.30	15,641.44	10,526.81	49.73	47.85	-64.09	5,199.77	-1,166.51	550.42	458.79	91.63	6.007		
15,800.00	10,767.63	15,741.44	10,527.52	50.49	48.65	-64.13	5,299.77	-1,166.62	550.26	457.21	93.04	5.914		
15,900.00	10,767.96	15,841.44	10,528.23	51.25	49.46	-64.16	5,399.77	-1,166.74	550.09	455.63	94.46	5.823		
16,000.00	10,768.29	15,941.44	10,528.94	52.02	50.26	-64.20	5,499.76	-1,166.86	549.92	454.04	95.89	5.735		
16,100.00	10,768.62	16,041.44	10,529.65	52.79	51.07	-64.23	5,599.76	-1,166.98	549.76	452.44	97.32	5.649		
16,200.00	10,768.95	16,141.43	10,530.37	53.56	51.87	-64.27	5,699.76	-1,167.09	549.59	450.84	98.75	5.565		
16,300.00	10,769.28	16,241.43	10,531.08	54.33	52.68	-64.31	5,799.75	-1,167.21	549.43	449.23	100.19	5.484		
16,400.00	10,769.61	16,341.43	10,531.79	55.11	53.49	-64.34	5,899.75	-1,167.33	549.26	447.62	101.64	5.404		
16,500.00	10,769.94	16,441.43	10,532.50	55.89	54.30	-64.38	5,999.75	-1,167.45	549.10	446.01	103.09	5.326		
16,600.00	10,770.27	16,541.43	10,533.22	56.67	55.12	-64.41	6,099.74	-1,167.56	548.93	444.38	104.55	5.251		
16,700.00	10,770.61	16,641.43	10,533.93	57.45	55.93	-64.45	6,199.74	-1,167.68	548.77	442.76	106.01	5.177		
16,800.00	10,770.94	16,741.43	10,534.64	58.24	56.75	-64.49	6,299.74	-1,167.80	548.60	441.13	107.47	5.105		
16,900.00	10,771.27	16,841.43	10,535.35	59.02	57.56	-64.52	6,399.73	-1,167.92	548.44	439.50	108.94	5.034		
17,000.00	10,771.60	16,941.43	10,536.06	59.81	58.38	-64.56	6,499.73	-1,168.03	548.27	437.86	110.41	4.966		
17,100.00	10,771.93	17,041.43	10,536.78	60.60	59.20	-64.59	6,599.73	-1,168.15	548.11	436.22	111.89	4.899		
17,200.00	10,772.26	17,141.43	10,537.49	61.39	60.02	-64.63	6,699.72	-1,168.27	547.95	434.58	113.37	4.833		
17,300.00	10,772.59	17,241.43	10,538.20	62.19	60.84	-64.67	6,799.72	-1,168.39	547.78	432.93	114.85	4.769		
17,400.00	10,772.92	17,341.43	10,538.91	62.99	61.66	-64.70	6,899.72	-1,168.50	547.62	431.28	116.34	4.707		
17,500.00	10,773.25	17,441.43	10,539.63	63.78	62.49	-64.74	6,999.71	-1,168.62	547.46	429.62	117.83	4.646		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	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	
17,600.00	10,773.58	17,541.42	10,540.34	64.58	63.31	-64.77	7,099.71	-1,168.74	547.29	427.97	119.33	4.587		
17,700.00	10,773.91	17,641.42	10,541.05	65.38	64.14	-64.81	7,199.71	-1,168.86	547.13	426.31	120.82	4.528		
17,800.00	10,774.25	17,741.42	10,541.76	66.18	64.96	-64.85	7,299.70	-1,168.97	546.97	424.64	122.32	4.471		
17,900.00	10,774.58	17,841.42	10,542.47	66.99	65.79	-64.88	7,399.70	-1,169.09	546.81	422.98	123.83	4.416		
18,000.00	10,774.91	17,941.42	10,543.19	67.79	66.62	-64.92	7,499.70	-1,169.21	546.64	421.31	125.34	4.361		
18,100.00	10,775.24	18,041.42	10,543.90	68.60	67.44	-64.95	7,599.69	-1,169.33	546.48	419.64	126.84	4.308		
18,200.00	10,775.57	18,141.42	10,544.61	69.41	68.27	-64.99	7,699.69	-1,169.45	546.32	417.96	128.36	4.256		
18,300.00	10,775.90	18,241.42	10,545.32	70.21	69.10	-65.03	7,799.69	-1,169.56	546.16	416.29	129.87	4.205		
18,400.00	10,776.23	18,341.42	10,546.03	71.02	69.93	-65.06	7,899.68	-1,169.68	546.00	414.61	131.39	4.156		
18,500.00	10,776.56	18,441.42	10,546.75	71.83	70.76	-65.10	7,999.68	-1,169.80	545.84	412.93	132.91	4.107		
18,600.00	10,776.89	18,541.42	10,547.46	72.65	71.59	-65.14	8,099.68	-1,169.92	545.68	411.24	134.43	4.059		
18,700.00	10,777.22	18,641.42	10,548.17	73.46	72.43	-65.17	8,199.67	-1,170.03	545.52	409.56	135.96	4.012		
18,800.00	10,777.56	18,741.42	10,548.88	74.27	73.26	-65.21	8,299.67	-1,170.15	545.36	407.87	137.49	3.967		
18,900.00	10,777.89	18,841.41	10,549.60	75.09	74.09	-65.25	8,399.67	-1,170.27	545.20	406.18	139.02	3.922		
19,000.00	10,778.22	18,941.41	10,550.31	75.90	74.92	-65.28	8,499.66	-1,170.39	545.04	404.49	140.55	3.878		
19,100.00	10,778.55	19,041.41	10,551.02	76.72	75.76	-65.32	8,599.66	-1,170.50	544.88	402.79	142.08	3.835		
19,200.00	10,778.88	19,141.41	10,551.73	77.54	76.59	-65.35	8,699.66	-1,170.62	544.72	401.10	143.62	3.793		
19,300.00	10,779.21	19,241.41	10,552.44	78.36	77.43	-65.39	8,799.65	-1,170.74	544.56	399.40	145.16	3.751		
19,400.00	10,779.54	19,341.41	10,553.16	79.18	78.26	-65.43	8,899.65	-1,170.86	544.40	397.70	146.70	3.711		
19,500.00	10,779.87	19,441.41	10,553.87	80.00	79.10	-65.46	8,999.65	-1,170.97	544.24	396.00	148.24	3.671		
19,600.00	10,780.20	19,541.41	10,554.58	80.82	79.94	-65.50	9,099.64	-1,171.09	544.08	394.29	149.79	3.632		
19,700.00	10,780.53	19,641.41	10,555.29	81.64	80.77	-65.54	9,199.64	-1,171.21	543.93	392.59	151.34	3.594		
19,800.00	10,780.86	19,741.41	10,556.01	82.46	81.61	-65.57	9,299.64	-1,171.33	543.77	390.88	152.89	3.557		
19,900.00	10,781.20	19,841.41	10,556.72	83.28	82.45	-65.61	9,399.63	-1,171.44	543.61	389.17	154.44	3.520		
20,000.00	10,781.53	19,941.41	10,557.43	84.11	83.29	-65.65	9,499.63	-1,171.56	543.45	387.46	155.99	3.484		
20,100.00	10,781.86	20,041.41	10,558.14	84.93	84.13	-65.68	9,599.63	-1,171.68	543.30	385.75	157.54	3.449		
20,200.00	10,782.19	20,141.41	10,558.85	85.76	84.96	-65.72	9,699.62	-1,171.80	543.14	384.04	159.10	3.414		
20,300.00	10,782.52	20,241.40	10,559.57	86.58	85.80	-65.76	9,799.62	-1,171.91	542.98	382.32	160.66	3.380		
20,400.00	10,782.85	20,341.40	10,560.28	87.41	86.64	-65.79	9,899.62	-1,172.03	542.82	380.61	162.22	3.346		
20,500.00	10,783.18	20,441.40	10,560.99	88.23	87.48	-65.83	9,999.61	-1,172.15	542.67	378.89	163.78	3.313		
20,600.00	10,783.51	20,541.40	10,561.70	89.06	88.32	-65.87	10,099.61	-1,172.27	542.51	377.17	165.34	3.281		
20,700.00	10,783.84	20,641.40	10,562.42	89.89	89.16	-65.90	10,199.61	-1,172.38	542.36	375.45	166.91	3.249		
20,800.00	10,784.17	20,741.40	10,563.13	90.72	90.00	-65.94	10,299.60	-1,172.50	542.20	373.73	168.47	3.218		
20,900.00	10,784.50	20,841.40	10,563.84	91.55	90.85	-65.98	10,399.60	-1,172.62	542.05	372.00	170.04	3.188		
21,000.00	10,784.84	20,941.40	10,564.55	92.38	91.69	-66.01	10,499.60	-1,172.74	541.89	370.28	171.61	3.158		
21,049.69	10,785.00	20,991.09	10,564.91	92.79	92.11	-66.03	10,549.29	-1,172.79	541.81	369.42	172.39	3.143		
21,050.14	10,785.00	20,991.54	10,564.91	92.79	92.11	-66.03	10,549.74	-1,172.79	541.81	369.42	172.40	3.143		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

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

Offset Depths are relative to Offset Datum

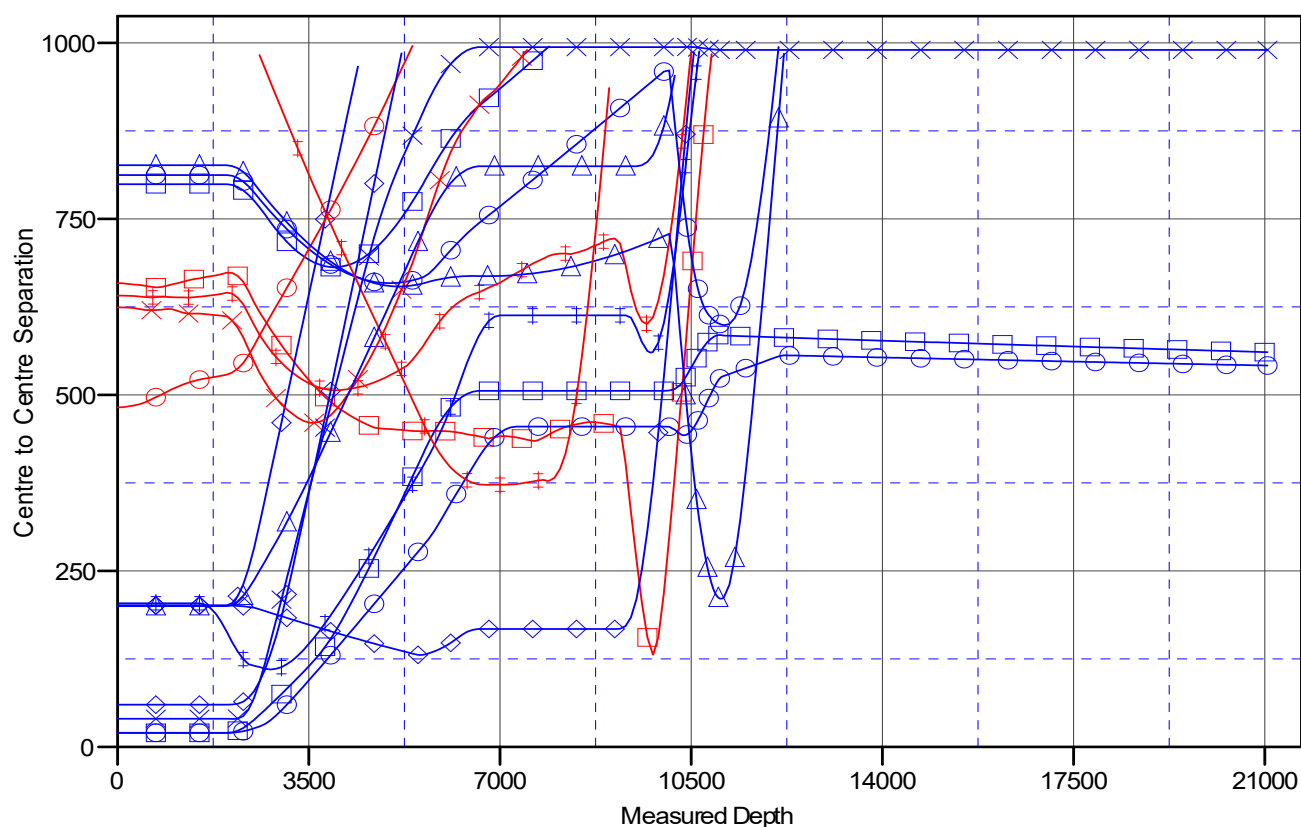
Central Meridian is 104° 20' 0.00W W

Coordinates are relative to: TATER SALAD FEDERAL COM 904H

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

Grid Convergence at Surface is: 0.16°

Ladder Plot



LEGEND

MOMBA FEDERAL COM 702H, OWB, AWP V0	TATER SALAD FEDERAL COM 704H, OWB, PWP2 V0	MOMBA FEDERAL COM 903H, OWB, PWP2 V0
MOMBA FEDERAL COM 703H, OWB, AWP V0	TATER SALAD FEDERAL COM 803H, OWB, PWP2 V0	MOMBA 24 FEDERAL COM 3H, OWB, AWP V0
MOMBA FEDERAL COM 901H, OWB, PWP1 V0	MOMBA 24 FEDERAL COM 1H P&A, OWB, AWP V0	TATER SALAD FEDERAL COM 802H, OWB, PWP2 V0
MOMBA FEDERAL COM 902H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 901H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 702H, OWB, PWP2 V0
TATER SALAD FEDERAL COM 905H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 703H, OWB, PWP2 V0	
TATER SALAD FEDERAL COM 701H, OWB, PWP2 V0	MOMBA FEDERAL COM 701H, OWB, AWP V0	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

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

Offset Depths are relative to Offset Datum

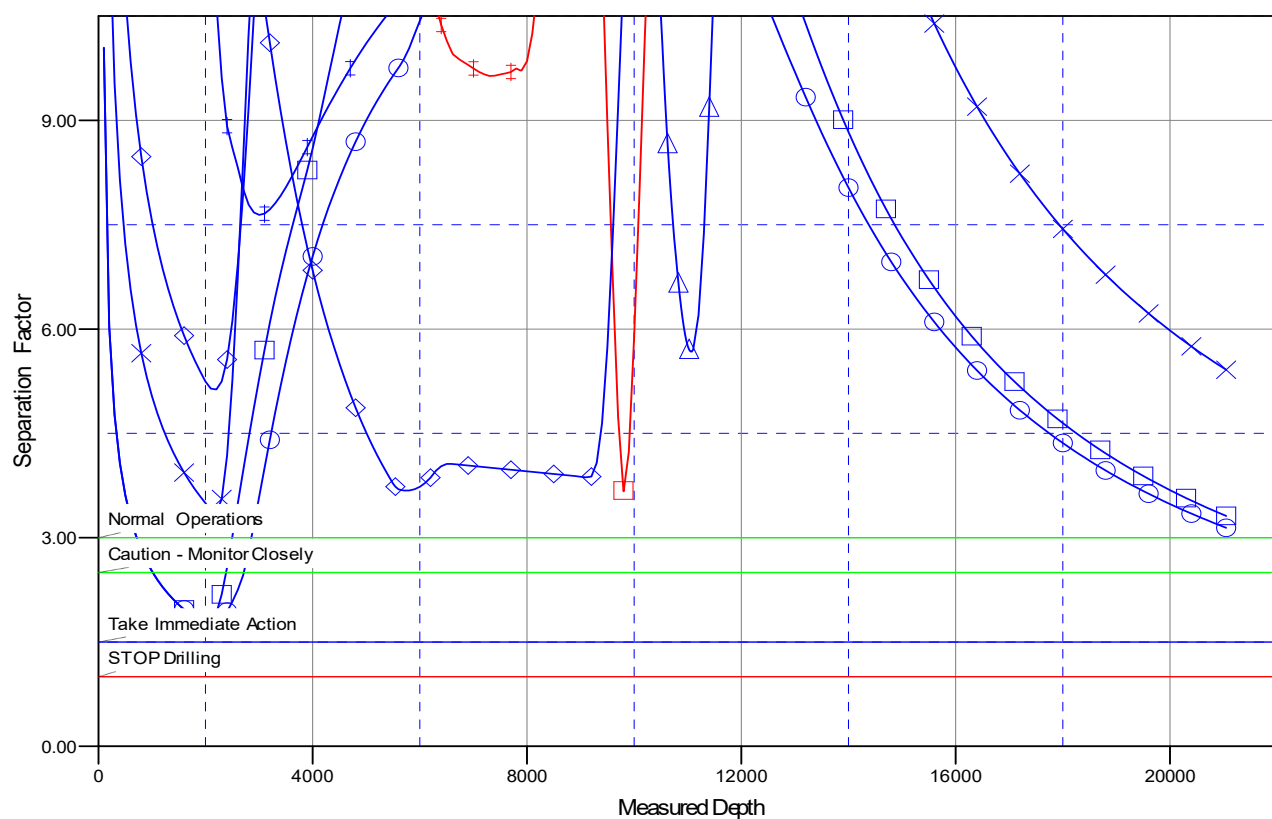
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 904H

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

Grid Convergence at Surface is: 0.16°

Separation Factor Plot



LEGEND

MOMBA FEDERAL COM 702H, OWB, AWP V0	TATER SALAD FEDERAL COM 704H, OWB, PWP2 V0	MOMBA FEDERAL COM 903H, OWB, PWP2 V0
MOMBA FEDERAL COM 703H, OWB, AWP V0	TATER SALAD FEDERAL COM 803H, OWB, PWP2 V0	MOMBA 24 FEDERAL COM 3H, OWB, AWP V0
MOMBA FEDERAL COM 901H, OWB, PWP1 V0	MOMBA 24 FEDERAL COM 1H(P&A), OWB, AWP V0	TATER SALAD FEDERAL COM 902H, OWB, PWP2 V0
MOMBA FEDERAL COM 902H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 901H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 702H, OWB, PWP2 V0
TATER SALAD FEDERAL COM 905H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 703H, OWB, PWP2 V0	
TATER SALAD FEDERAL COM 701H, OWB, PWP2 V0	MOMBA FEDERAL COM 701H, OWB, AWP V0	

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

DELAWARE BASIN WEST

ATLAS PROSPECT_NME

TATER SALAD & MOMBA FEDERAL

TATER SALAD FEDERAL COM 904H

300155731400

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 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	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 904H		
Well Position	+N/-S	0.00 usft	Northing: 376,469.40 usft
	+E/-W	0.00 usft	Easting: 592,315.10 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.16 °	Ground Level:	2,913.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2025	5/1/2026	6.38	59.49	46,995.22628981

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	356.32	

Plan Survey Tool Program	Date	2/3/2026			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	2,000.00	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +	
2	2,000.00	10,329.59	PWP2 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5	
3	10,329.59	21,049.69	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 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,499.94	10.00	278.61	2,497.41	6.52	-43.02	2.00	2.00	0.00	278.61	
5,624.17	10.00	278.61	5,574.18	87.77	-579.36	0.00	0.00	0.00	0.00	
6,624.05	0.00	0.00	6,569.00	100.80	-665.40	1.00	-1.00	0.00	180.00	
10,329.59	0.00	0.00	10,274.54	100.80	-665.40	0.00	0.00	0.00	0.00	
11,078.01	89.81	359.93	10,752.00	576.68	-665.96	12.00	12.00	-0.01	359.93	
21,049.69	89.81	359.93	10,785.00	10,548.30	-677.70	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 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	2.00	278.61	2,099.98	0.26	-1.73	0.37	2.00	2.00	0.00
2,200.00	4.00	278.61	2,199.84	1.05	-6.90	1.49	2.00	2.00	0.00
2,300.00	6.00	278.61	2,299.45	2.35	-15.52	3.34	2.00	2.00	0.00
2,400.00	8.00	278.61	2,398.70	4.18	-27.57	5.93	2.00	2.00	0.00
2,499.94	10.00	278.61	2,497.41	6.52	-43.02	9.26	2.00	2.00	0.00
2,600.00	10.00	278.61	2,595.95	9.12	-60.20	12.96	0.00	0.00	0.00
2,700.00	10.00	278.61	2,694.43	11.72	-77.37	16.66	0.00	0.00	0.00
2,800.00	10.00	278.61	2,792.91	14.32	-94.53	20.35	0.00	0.00	0.00
2,900.00	10.00	278.61	2,891.39	16.92	-111.70	24.05	0.00	0.00	0.00
3,000.00	10.00	278.61	2,989.87	19.52	-128.87	27.74	0.00	0.00	0.00
3,100.00	10.00	278.61	3,088.35	22.12	-146.03	31.44	0.00	0.00	0.00
3,200.00	10.00	278.61	3,186.83	24.72	-163.20	35.14	0.00	0.00	0.00
3,300.00	10.00	278.61	3,285.31	27.32	-180.37	38.83	0.00	0.00	0.00
3,400.00	10.00	278.61	3,383.80	29.92	-197.53	42.53	0.00	0.00	0.00
3,500.00	10.00	278.61	3,482.28	32.52	-214.70	46.22	0.00	0.00	0.00
3,600.00	10.00	278.61	3,580.76	35.13	-231.87	49.92	0.00	0.00	0.00
3,700.00	10.00	278.61	3,679.24	37.73	-249.04	53.62	0.00	0.00	0.00
3,800.00	10.00	278.61	3,777.72	40.33	-266.20	57.31	0.00	0.00	0.00
3,900.00	10.00	278.61	3,876.20	42.93	-283.37	61.01	0.00	0.00	0.00
4,000.00	10.00	278.61	3,974.68	45.53	-300.54	64.70	0.00	0.00	0.00
4,100.00	10.00	278.61	4,073.16	48.13	-317.70	68.40	0.00	0.00	0.00
4,200.00	10.00	278.61	4,171.64	50.73	-334.87	72.09	0.00	0.00	0.00
4,300.00	10.00	278.61	4,270.13	53.33	-352.04	75.79	0.00	0.00	0.00
4,400.00	10.00	278.61	4,368.61	55.93	-369.20	79.49	0.00	0.00	0.00
4,500.00	10.00	278.61	4,467.09	58.53	-386.37	83.18	0.00	0.00	0.00
4,600.00	10.00	278.61	4,565.57	61.13	-403.54	86.88	0.00	0.00	0.00
4,700.00	10.00	278.61	4,664.05	63.73	-420.70	90.57	0.00	0.00	0.00
4,800.00	10.00	278.61	4,762.53	66.33	-437.87	94.27	0.00	0.00	0.00
4,900.00	10.00	278.61	4,861.01	68.93	-455.04	97.97	0.00	0.00	0.00
5,000.00	10.00	278.61	4,959.49	71.53	-472.21	101.66	0.00	0.00	0.00
5,100.00	10.00	278.61	5,057.97	74.13	-489.37	105.36	0.00	0.00	0.00
5,200.00	10.00	278.61	5,156.46	76.73	-506.54	109.05	0.00	0.00	0.00
5,300.00	10.00	278.61	5,254.94	79.34	-523.71	112.75	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	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)	
5,400.00	10.00	278.61	5,353.42	81.94	-540.87	116.45	0.00	0.00	0.00	
5,500.00	10.00	278.61	5,451.90	84.54	-558.04	120.14	0.00	0.00	0.00	
5,600.00	10.00	278.61	5,550.38	87.14	-575.21	123.84	0.00	0.00	0.00	
5,624.17	10.00	278.61	5,574.18	87.77	-579.36	124.73	0.00	0.00	0.00	
5,700.00	9.24	278.61	5,648.95	89.66	-591.89	127.43	1.00	-1.00	0.00	
5,800.00	8.24	278.61	5,747.78	91.94	-606.91	130.66	1.00	-1.00	0.00	
5,900.00	7.24	278.61	5,846.87	93.96	-620.23	133.53	1.00	-1.00	0.00	
6,000.00	6.24	278.61	5,946.18	95.71	-631.83	136.03	1.00	-1.00	0.00	
6,100.00	5.24	278.61	6,045.68	97.21	-641.72	138.16	1.00	-1.00	0.00	
6,200.00	4.24	278.61	6,145.33	98.45	-649.89	139.92	1.00	-1.00	0.00	
6,300.00	3.24	278.61	6,245.12	99.43	-656.34	141.30	1.00	-1.00	0.00	
6,400.00	2.24	278.61	6,345.00	100.14	-661.07	142.32	1.00	-1.00	0.00	
6,500.00	1.24	278.61	6,444.96	100.60	-664.07	142.97	1.00	-1.00	0.00	
6,600.00	0.24	278.61	6,544.95	100.79	-665.35	143.24	1.00	-1.00	0.00	
6,624.05	0.00	0.00	6,569.00	100.80	-665.40	143.25	1.00	-1.00	0.00	
6,700.00	0.00	0.00	6,644.95	100.80	-665.40	143.25	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,744.95	100.80	-665.40	143.25	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,844.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,944.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,100.00	0.00	0.00	7,044.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,200.00	0.00	0.00	7,144.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,244.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,344.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,444.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,544.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,644.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,744.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,844.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,944.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,100.00	0.00	0.00	8,044.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,200.00	0.00	0.00	8,144.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,244.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,344.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,444.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,544.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,644.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,744.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,844.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,000.00	0.00	0.00	8,944.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,100.00	0.00	0.00	9,044.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,200.00	0.00	0.00	9,144.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,300.00	0.00	0.00	9,244.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,400.00	0.00	0.00	9,344.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,500.00	0.00	0.00	9,444.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,600.00	0.00	0.00	9,544.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,700.00	0.00	0.00	9,644.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,800.00	0.00	0.00	9,744.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,900.00	0.00	0.00	9,844.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,000.00	0.00	0.00	9,944.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,100.00	0.00	0.00	10,044.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,200.00	0.00	0.00	10,144.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,300.00	0.00	0.00	10,244.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,329.59	0.00	0.00	10,274.54	100.80	-665.40	143.25	0.00	0.00	0.00	
10,350.00	2.45	359.93	10,294.94	101.24	-665.40	143.69	12.00	12.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,375.00	5.45	359.93	10,319.88	102.96	-665.40	145.41	12.00	12.00	0.00	
10,400.00	8.45	359.93	10,344.69	105.98	-665.41	148.43	12.00	12.00	0.00	
10,425.00	11.45	359.93	10,369.31	110.30	-665.41	152.74	12.00	12.00	0.00	
10,450.00	14.45	359.93	10,393.67	115.90	-665.42	158.33	12.00	12.00	0.00	
10,475.00	17.45	359.93	10,417.71	122.77	-665.43	165.18	12.00	12.00	0.00	
10,500.00	20.45	359.93	10,441.35	130.89	-665.44	173.28	12.00	12.00	0.00	
10,525.00	23.45	359.93	10,464.54	140.23	-665.45	182.61	12.00	12.00	0.00	
10,550.00	26.45	359.93	10,487.20	150.78	-665.46	193.13	12.00	12.00	0.00	
10,575.00	29.45	359.93	10,509.28	162.49	-665.47	204.82	12.00	12.00	0.00	
10,600.00	32.45	359.93	10,530.72	175.35	-665.49	217.65	12.00	12.00	0.00	
10,625.00	35.45	359.93	10,551.46	189.31	-665.50	231.59	12.00	12.00	0.00	
10,650.00	38.45	359.93	10,571.43	204.33	-665.52	246.58	12.00	12.00	0.00	
10,675.00	41.45	359.93	10,590.60	220.38	-665.54	262.60	12.00	12.00	0.00	
10,700.00	44.45	359.93	10,608.89	237.41	-665.56	279.60	12.00	12.00	0.00	
10,725.00	47.45	359.93	10,626.27	255.38	-665.58	297.53	12.00	12.00	0.00	
10,750.00	50.45	359.93	10,642.69	274.23	-665.60	316.34	12.00	12.00	0.00	
10,775.00	53.45	359.93	10,658.10	293.92	-665.63	335.99	12.00	12.00	0.00	
10,800.00	56.45	359.93	10,672.45	314.38	-665.65	356.41	12.00	12.00	0.00	
10,825.00	59.45	359.93	10,685.72	335.57	-665.68	377.56	12.00	12.00	0.00	
10,850.00	62.45	359.93	10,697.86	357.42	-665.70	399.36	12.00	12.00	0.00	
10,875.00	65.45	359.93	10,708.84	379.88	-665.73	421.78	12.00	12.00	0.00	
10,900.00	68.45	359.93	10,718.62	402.88	-665.76	444.73	12.00	12.00	0.00	
10,925.00	71.45	359.93	10,727.19	426.36	-665.78	468.17	12.00	12.00	0.00	
10,950.00	74.45	359.93	10,734.52	450.26	-665.81	492.02	12.00	12.00	0.00	
10,975.00	77.45	359.93	10,740.59	474.51	-665.84	516.22	12.00	12.00	0.00	
11,000.00	80.45	359.93	10,745.38	499.04	-665.87	540.71	12.00	12.00	0.00	
11,025.00	83.45	359.93	10,748.89	523.79	-665.90	565.41	12.00	12.00	0.00	
11,050.00	86.45	359.93	10,751.09	548.69	-665.93	590.26	12.00	12.00	0.00	
11,075.00	89.45	359.93	10,751.98	573.67	-665.96	615.19	12.00	12.00	0.00	
11,078.01	89.81	359.93	10,752.00	576.68	-665.96	618.20	12.00	12.00	0.00	
11,100.00	89.81	359.93	10,752.07	598.67	-665.99	640.14	0.00	0.00	0.00	
11,200.00	89.81	359.93	10,752.40	698.67	-666.10	739.94	0.00	0.00	0.00	
11,300.00	89.81	359.93	10,752.74	798.67	-666.22	839.74	0.00	0.00	0.00	
11,400.00	89.81	359.93	10,753.07	898.67	-666.34	939.54	0.00	0.00	0.00	
11,500.00	89.81	359.93	10,753.40	998.67	-666.46	1,039.34	0.00	0.00	0.00	
11,600.00	89.81	359.93	10,753.73	1,098.67	-666.57	1,139.15	0.00	0.00	0.00	
11,700.00	89.81	359.93	10,754.06	1,198.67	-666.69	1,238.95	0.00	0.00	0.00	
11,800.00	89.81	359.93	10,754.39	1,298.67	-666.81	1,338.75	0.00	0.00	0.00	
11,900.00	89.81	359.93	10,754.72	1,398.67	-666.93	1,438.55	0.00	0.00	0.00	
12,000.00	89.81	359.93	10,755.05	1,498.67	-667.05	1,538.35	0.00	0.00	0.00	
12,100.00	89.81	359.93	10,755.38	1,598.67	-667.16	1,638.15	0.00	0.00	0.00	
12,200.00	89.81	359.93	10,755.71	1,698.67	-667.28	1,737.95	0.00	0.00	0.00	
12,300.00	89.81	359.93	10,756.04	1,798.66	-667.40	1,837.75	0.00	0.00	0.00	
12,400.00	89.81	359.93	10,756.38	1,898.66	-667.52	1,937.56	0.00	0.00	0.00	
12,500.00	89.81	359.93	10,756.71	1,998.66	-667.63	2,037.36	0.00	0.00	0.00	
12,600.00	89.81	359.93	10,757.04	2,098.66	-667.75	2,137.16	0.00	0.00	0.00	
12,700.00	89.81	359.93	10,757.37	2,198.66	-667.87	2,236.96	0.00	0.00	0.00	
12,800.00	89.81	359.93	10,757.70	2,298.66	-667.99	2,336.76	0.00	0.00	0.00	
12,900.00	89.81	359.93	10,758.03	2,398.66	-668.11	2,436.56	0.00	0.00	0.00	
13,000.00	89.81	359.93	10,758.36	2,498.66	-668.22	2,536.36	0.00	0.00	0.00	
13,100.00	89.81	359.93	10,758.69	2,598.66	-668.34	2,636.16	0.00	0.00	0.00	
13,200.00	89.81	359.93	10,759.02	2,698.66	-668.46	2,735.97	0.00	0.00	0.00	
13,300.00	89.81	359.93	10,759.35	2,798.66	-668.58	2,835.77	0.00	0.00	0.00	
13,400.00	89.81	359.93	10,759.68	2,898.66	-668.69	2,935.57	0.00	0.00	0.00	

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Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	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)	
13,500.00	89.81	359.93	10,760.02	2,998.66	-668.81	3,035.37	0.00	0.00	0.00	
13,600.00	89.81	359.93	10,760.35	3,098.66	-668.93	3,135.17	0.00	0.00	0.00	
13,700.00	89.81	359.93	10,760.68	3,198.66	-669.05	3,234.97	0.00	0.00	0.00	
13,800.00	89.81	359.93	10,761.01	3,298.66	-669.16	3,334.77	0.00	0.00	0.00	
13,900.00	89.81	359.93	10,761.34	3,398.65	-669.28	3,434.57	0.00	0.00	0.00	
14,000.00	89.81	359.93	10,761.67	3,498.65	-669.40	3,534.37	0.00	0.00	0.00	
14,100.00	89.81	359.93	10,762.00	3,598.65	-669.52	3,634.18	0.00	0.00	0.00	
14,200.00	89.81	359.93	10,762.33	3,698.65	-669.64	3,733.98	0.00	0.00	0.00	
14,300.00	89.81	359.93	10,762.66	3,798.65	-669.75	3,833.78	0.00	0.00	0.00	
14,400.00	89.81	359.93	10,762.99	3,898.65	-669.87	3,933.58	0.00	0.00	0.00	
14,500.00	89.81	359.93	10,763.33	3,998.65	-669.99	4,033.38	0.00	0.00	0.00	
14,600.00	89.81	359.93	10,763.66	4,098.65	-670.11	4,133.18	0.00	0.00	0.00	
14,700.00	89.81	359.93	10,763.99	4,198.65	-670.22	4,232.98	0.00	0.00	0.00	
14,800.00	89.81	359.93	10,764.32	4,298.65	-670.34	4,332.78	0.00	0.00	0.00	
14,900.00	89.81	359.93	10,764.65	4,398.65	-670.46	4,432.59	0.00	0.00	0.00	
15,000.00	89.81	359.93	10,764.98	4,498.65	-670.58	4,532.39	0.00	0.00	0.00	
15,100.00	89.81	359.93	10,765.31	4,598.65	-670.70	4,632.19	0.00	0.00	0.00	
15,200.00	89.81	359.93	10,765.64	4,698.65	-670.81	4,731.99	0.00	0.00	0.00	
15,300.00	89.81	359.93	10,765.97	4,798.65	-670.93	4,831.79	0.00	0.00	0.00	
15,400.00	89.81	359.93	10,766.30	4,898.65	-671.05	4,931.59	0.00	0.00	0.00	
15,500.00	89.81	359.93	10,766.63	4,998.65	-671.17	5,031.39	0.00	0.00	0.00	
15,600.00	89.81	359.93	10,766.97	5,098.64	-671.28	5,131.19	0.00	0.00	0.00	
15,700.00	89.81	359.93	10,767.30	5,198.64	-671.40	5,230.99	0.00	0.00	0.00	
15,800.00	89.81	359.93	10,767.63	5,298.64	-671.52	5,330.80	0.00	0.00	0.00	
15,900.00	89.81	359.93	10,767.96	5,398.64	-671.64	5,430.60	0.00	0.00	0.00	
16,000.00	89.81	359.93	10,768.29	5,498.64	-671.75	5,530.40	0.00	0.00	0.00	
16,100.00	89.81	359.93	10,768.62	5,598.64	-671.87	5,630.20	0.00	0.00	0.00	
16,200.00	89.81	359.93	10,768.95	5,698.64	-671.99	5,730.00	0.00	0.00	0.00	
16,300.00	89.81	359.93	10,769.28	5,798.64	-672.11	5,829.80	0.00	0.00	0.00	
16,400.00	89.81	359.93	10,769.61	5,898.64	-672.23	5,929.60	0.00	0.00	0.00	
16,500.00	89.81	359.93	10,769.94	5,998.64	-672.34	6,029.40	0.00	0.00	0.00	
16,600.00	89.81	359.93	10,770.27	6,098.64	-672.46	6,129.21	0.00	0.00	0.00	
16,700.00	89.81	359.93	10,770.61	6,198.64	-672.58	6,229.01	0.00	0.00	0.00	
16,800.00	89.81	359.93	10,770.94	6,298.64	-672.70	6,328.81	0.00	0.00	0.00	
16,900.00	89.81	359.93	10,771.27	6,398.64	-672.81	6,428.61	0.00	0.00	0.00	
17,000.00	89.81	359.93	10,771.60	6,498.64	-672.93	6,528.41	0.00	0.00	0.00	
17,100.00	89.81	359.93	10,771.93	6,598.64	-673.05	6,628.21	0.00	0.00	0.00	
17,200.00	89.81	359.93	10,772.26	6,698.63	-673.17	6,728.01	0.00	0.00	0.00	
17,300.00	89.81	359.93	10,772.59	6,798.63	-673.29	6,827.81	0.00	0.00	0.00	
17,400.00	89.81	359.93	10,772.92	6,898.63	-673.40	6,927.61	0.00	0.00	0.00	
17,500.00	89.81	359.93	10,773.25	6,998.63	-673.52	7,027.42	0.00	0.00	0.00	
17,600.00	89.81	359.93	10,773.58	7,098.63	-673.64	7,127.22	0.00	0.00	0.00	
17,700.00	89.81	359.93	10,773.91	7,198.63	-673.76	7,227.02	0.00	0.00	0.00	
17,800.00	89.81	359.93	10,774.25	7,298.63	-673.87	7,326.82	0.00	0.00	0.00	
17,900.00	89.81	359.93	10,774.58	7,398.63	-673.99	7,426.62	0.00	0.00	0.00	
18,000.00	89.81	359.93	10,774.91	7,498.63	-674.11	7,526.42	0.00	0.00	0.00	
18,100.00	89.81	359.93	10,775.24	7,598.63	-674.23	7,626.22	0.00	0.00	0.00	
18,200.00	89.81	359.93	10,775.57	7,698.63	-674.35	7,726.02	0.00	0.00	0.00	
18,300.00	89.81	359.93	10,775.90	7,798.63	-674.46	7,825.83	0.00	0.00	0.00	
18,400.00	89.81	359.93	10,776.23	7,898.63	-674.58	7,925.63	0.00	0.00	0.00	
18,500.00	89.81	359.93	10,776.56	7,998.63	-674.70	8,025.43	0.00	0.00	0.00	
18,600.00	89.81	359.93	10,776.89	8,098.63	-674.82	8,125.23	0.00	0.00	0.00	
18,700.00	89.81	359.93	10,777.22	8,198.63	-674.93	8,225.03	0.00	0.00	0.00	
18,800.00	89.81	359.93	10,777.56	8,298.62	-675.05	8,324.83	0.00	0.00	0.00	

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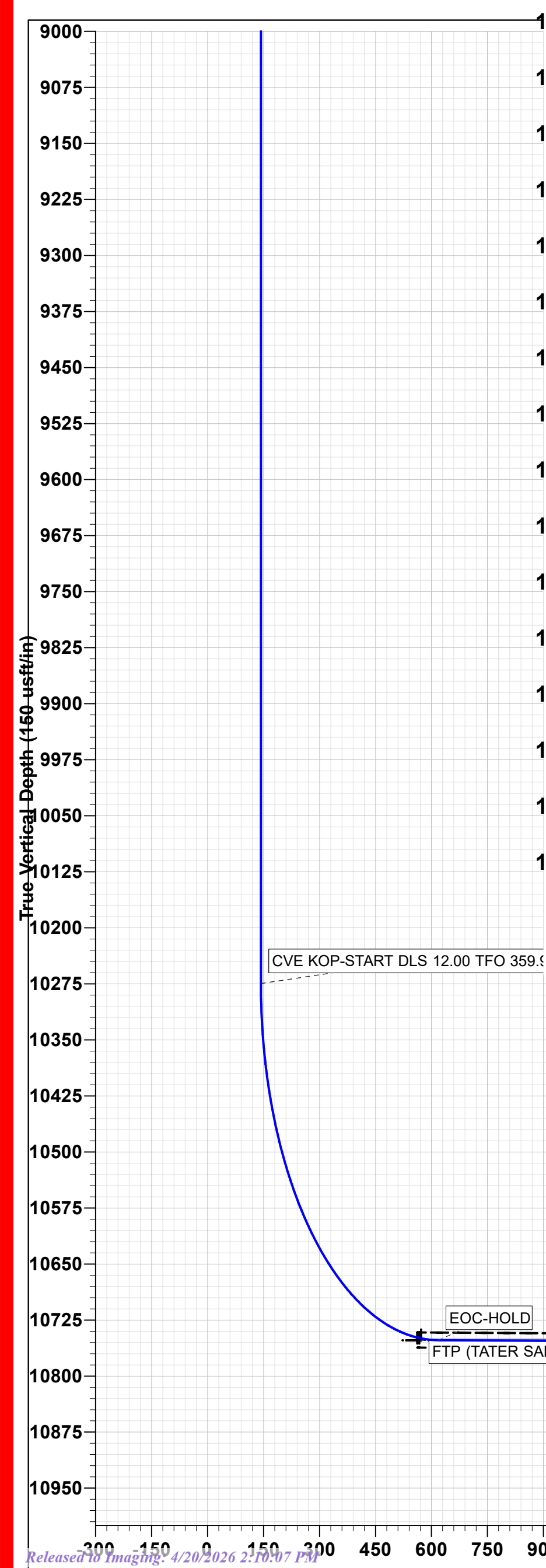
Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

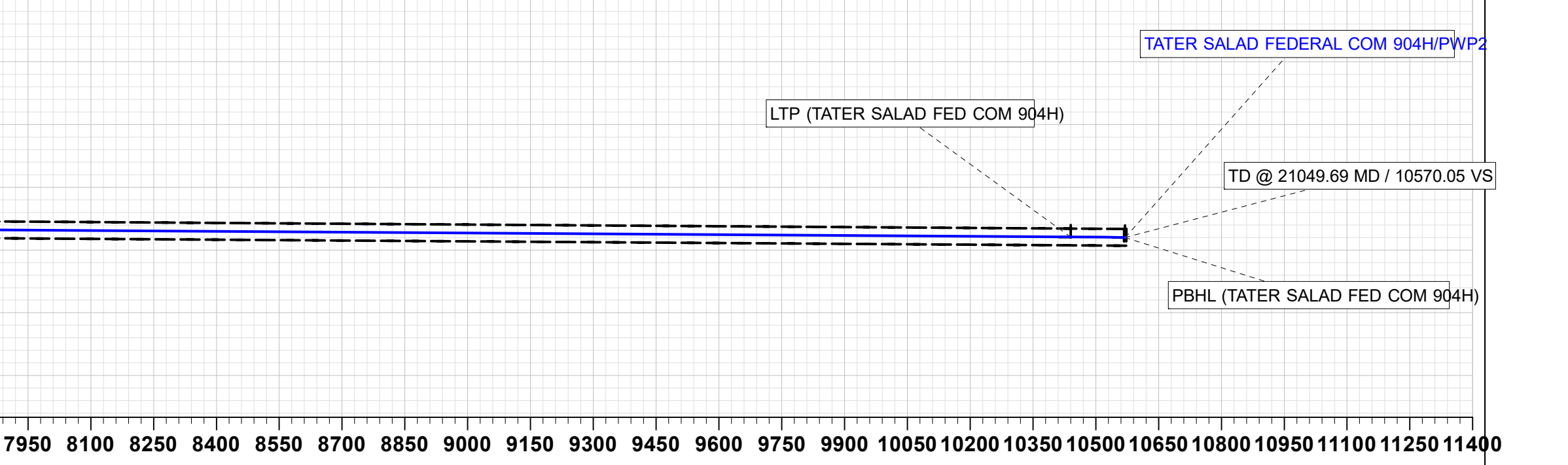
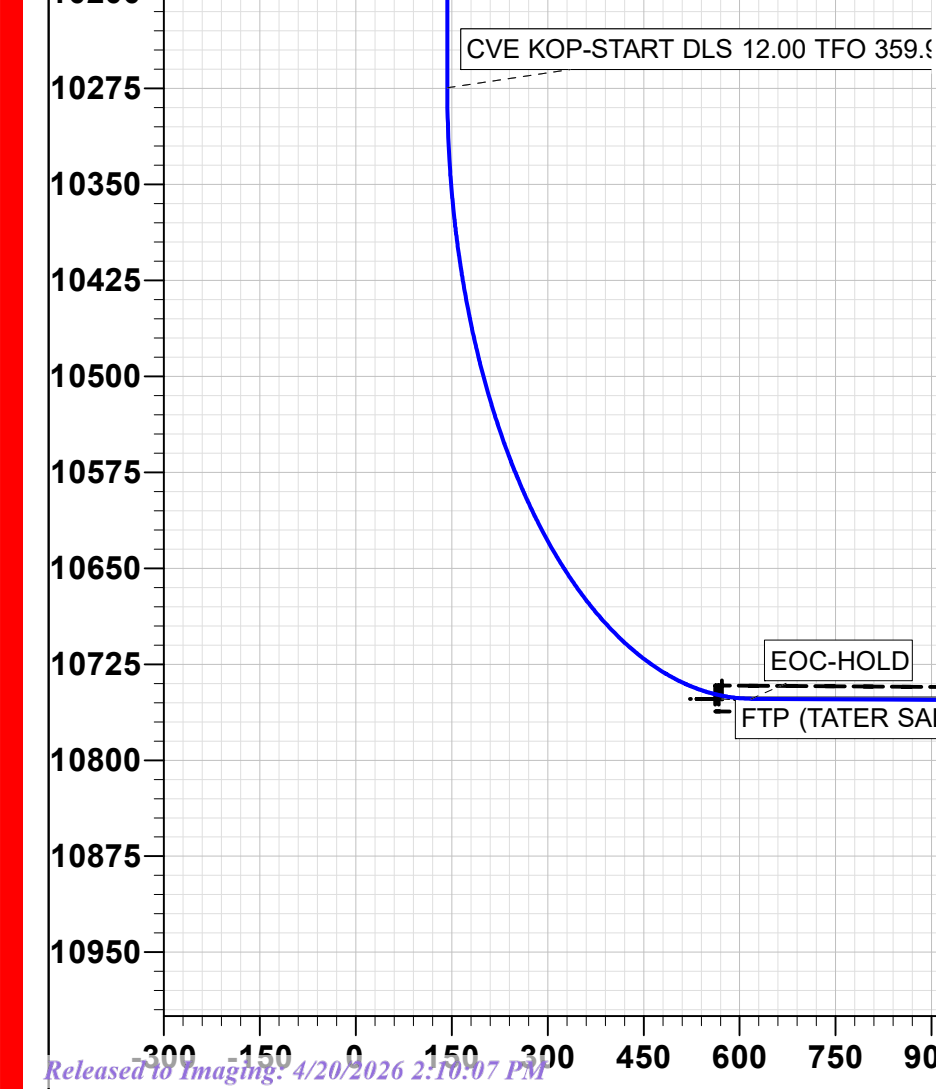
Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,900.00	89.81	359.93	10,777.89	8,398.62	-675.17	8,424.63	0.00	0.00	0.00
19,000.00	89.81	359.93	10,778.22	8,498.62	-675.29	8,524.43	0.00	0.00	0.00
19,100.00	89.81	359.93	10,778.55	8,598.62	-675.40	8,624.23	0.00	0.00	0.00
19,200.00	89.81	359.93	10,778.88	8,698.62	-675.52	8,724.04	0.00	0.00	0.00
19,300.00	89.81	359.93	10,779.21	8,798.62	-675.64	8,823.84	0.00	0.00	0.00
19,400.00	89.81	359.93	10,779.54	8,898.62	-675.76	8,923.64	0.00	0.00	0.00
19,500.00	89.81	359.93	10,779.87	8,998.62	-675.88	9,023.44	0.00	0.00	0.00
19,600.00	89.81	359.93	10,780.20	9,098.62	-675.99	9,123.24	0.00	0.00	0.00
19,700.00	89.81	359.93	10,780.53	9,198.62	-676.11	9,223.04	0.00	0.00	0.00
19,800.00	89.81	359.93	10,780.86	9,298.62	-676.23	9,322.84	0.00	0.00	0.00
19,900.00	89.81	359.93	10,781.20	9,398.62	-676.35	9,422.64	0.00	0.00	0.00
20,000.00	89.81	359.93	10,781.53	9,498.62	-676.46	9,522.45	0.00	0.00	0.00
20,100.00	89.81	359.93	10,781.86	9,598.62	-676.58	9,622.25	0.00	0.00	0.00
20,200.00	89.81	359.93	10,782.19	9,698.62	-676.70	9,722.05	0.00	0.00	0.00
20,300.00	89.81	359.93	10,782.52	9,798.62	-676.82	9,821.85	0.00	0.00	0.00
20,400.00	89.81	359.93	10,782.85	9,898.61	-676.94	9,921.65	0.00	0.00	0.00
20,500.00	89.81	359.93	10,783.18	9,998.61	-677.05	10,021.45	0.00	0.00	0.00
20,600.00	89.81	359.93	10,783.51	10,098.61	-677.17	10,121.25	0.00	0.00	0.00
20,700.00	89.81	359.93	10,783.84	10,198.61	-677.29	10,221.05	0.00	0.00	0.00
20,800.00	89.81	359.93	10,784.17	10,298.61	-677.41	10,320.86	0.00	0.00	0.00
20,900.00	89.81	359.93	10,784.50	10,398.61	-677.52	10,420.66	0.00	0.00	0.00
21,000.00	89.81	359.93	10,784.84	10,498.61	-677.64	10,520.46	0.00	0.00	0.00
21,049.69	89.81	359.93	10,785.00	10,548.30	-677.70	10,570.05	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (TATER SALAD FE - plan misses target center by 2.41usft at 11032.16usft MD (10749.65 TVD, 530.91 N, -665.91 E) - Circle (radius 50.00)	0.00	0.00	10,752.00	530.70	-666.40	377,000.10	591,648.70	32° 2' 10.115 N	104° 2' 15.258 W
LTP (TATER SALAD FEI - plan misses target center by 0.05usft at 20919.69usft MD (10784.57 TVD, 10418.30 N, -677.55 E) - Point	0.00	0.00	10,784.57	10,418.30	-677.60	386,887.70	591,637.50	32° 3' 47.968 N	104° 2' 15.074 W
PBHL (TATER SALAD F - plan hits target center - Rectangle (sides W90.00 H10,025.80 D20.00)	-0.19	179.93	10,785.00	10,548.30	-677.70	387,017.70	591,637.40	32° 3' 49.254 N	104° 2' 15.071 W

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.00	2,000.00	0.00	0.00	NUDGE @ DLS 2.00
2,499.94	2,497.41	6.52	-43.02	HOLD TNGT
5,624.17	5,574.18	87.77	-579.36	END NUDGE
6,624.05	6,569.00	100.80	-665.40	HOLD TO CVE KOP
10,329.59	10,274.54	100.80	-665.40	CVE KOP-START DLS 12.00 TFO 359.93
11,078.01	10,752.00	576.68	-665.96	EOC-HOLD
21,049.69	10,785.00	10,548.30	-677.70	TD @ 21049.69 MD / 10570.05 VS



MD	Inc	Azi	TVD	+N/-S	+E/-W	Dlog	TFace	VScat
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00
2499.94	10.00	278.61	2497.41	6.52	-43.02	2.00	278.61	9.26
5624.17	10.00	278.61	5574.18	87.77	-5739.36	0.00	0.00	124.73
6624.05	10.00	0.00	6569.00	100.80	-665.40	1.00	180.00	143.25
10329.59	0.00	0.00	10274.54	100.80	-665.40	0.00	0.00	143.25
1104.01	89.81	359.93	1104.01	66.55	36.38	1.00	359.93	0.00
71049.69	89.81	359.93	10785.00	10548.30	-677.20	0.00	0.00	10570.05



Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No. NMNM12559

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

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

8. Well Name and No.
TATER SALAD FEDERAL COM/904H

9. API Well No.

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

11. Country or Parish, State
EDDY/NM

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 # 30-015-57314
APD ID: 10400090891

Summary of changes:
No changes in targets
MD at TD changed to 21,050'
TVD of target changed to 10,752'
7-5/8" casing shoe @ 10,300' MD
Contingency cement program to include bradenhead cement job if severe losses are encountered
Request surface and intermediate cement jobs to be performed offline
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

(Electronic Submission)
Signature

Title
Regulatory Analyst

Date
02/06/2026

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.

Location of Well

0. SHL: NENE / 205 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034803 / LONG: -104.035911 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 330 FSL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036267 / LONG: -104.038057 (TVD: 10745 feet, MD: 11027 feet)

PPP: SWNE / 1321 FNL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.046266 / LONG: -104.038038 (TVD: 10781 feet, MD: 14357 feet)

BHL: NWNE / 200 FNL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063806 / LONG: -104.038005 (TVD: 10800 feet, MD: 21098 feet)

CONFIDENTIAL

Well Name: TATER SALAD FEDERAL COM	Well Location: T26S / R28E / SEC 24 / NENE / 32.034803 / -104.035911	County or Parish/State: EDDY / NM
Well Number: 904H	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: 2894385

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 02/04/2026	Time Sundry Submitted: 01:12
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 # 30-015-57314 APD ID: 10400090891 Summary of changes: • No changes in targets • MD at TD changed to 21,050' • TVD of target changed to 10,752' • 7-5/8" casing shoe @ 10,300' MD • Contingency cement program to include bradenhead cement job if severe losses are encountered • Request surface and intermediate cement jobs to be performed offline • Request variance to perform BOPE break testing on intermediate skids Drilling program, directional plan, AC report, bradenhead and break testing.

NOI Attachments

Procedure Description

- COP_Offline_Bradenhead_Intermediate_Documentation_20260204131103.pdf
- TATER_SALAD_FEDERAL_COM_904H_PWP2_AC_RPT_20260204131102.pdf
- TATER_SALAD_FEDERAL_COM_904H_PWP2_PPLOT_20260204131102.pdf
- Tater_Salad_Federal_Com_904H_Drilling_Program_20260204131102.pdf
- TATER_SALAD_FEDERAL_COM_904H_PWP2_DIR_RPT_20260204131102.pdf
- COP_BOP_Break_Testing_Documentation_20260204131100.pdf

Received by OCD: 2/20/2026 8:21:57 AM

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Well Name: TATER SALAD FEDERAL COM	Well Location: T26S / R28E / SEC 24 / NENE / 32.034803 / -104.035911	County or Parish/State: EDDY / NM
Well Number: 904H	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

TATER_SALAD_FED_COM_904H_COAs_20260211145952.pdf

SEC24_T26S_R28E_TATER_SALAD_FED_COM_Eddy_CONOCOPHILLIPS_COMPANY_46064_JS_20260211145952.pdf

SEC24_T26S_R28E_TATER_SALAD_FED_COM_Eddy_CONOCOPHILLIPS_COMPANY_46064_JS_B_20260211145952.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 06, 2026 08:59 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 904H

1. Geologic Formations

TVD of target	10,752' EOL	Pilot hole depth	NA
MD at TD:	21,050'	Deepest expected fresh water:	0'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	465	Water	
Top of Salt	595	Salt	
Base of Salt	2462	Salt	
Lamar	2660	Salt Water	
Bell Canyon	2710	Salt Water	
Cherry Canyon	3512	Oil/Gas	
Brushy Canyon	4855	Oil/Gas	
Bone Spring	6373	Oil/Gas	
1st Bone Spring Sand	7268	Oil/Gas	
2nd Bone Spring Sand	7965	Oil/Gas	
3rd Bone Spring Sand	9113	Oil/Gas	
Wolfcamp	9466	Oil/Gas	
Wolfcamp A	9576	Oil/Gas	
Wolfcamp B	9922	Oil/Gas	
Wolfcamp C	10452	Target	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	450	10.75"	45.5	J55	BTC	10.15	1.14	34.92	38.88
9.875"	0	7500	7.625"	29.7	L80-ICY	BTC	1.51	1.13	3.26	3.29
8.750"	7500	10300	7.625"	29.7	P110-ICY	W513	1.37	1.71	3.49	2.10
6.75"	0	10100	5.5"	23	P110-CY	BTC	2.05	2.39	3.14	3.14
6.75"	10100	21,050	5.5"	23	P110-CY	W441	1.93	2.24	2.95	2.68
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	2.54	34.78	37.06
12.25"	0	2560	9.625"	40	L80-IC	BTC	2.91	1.43	8.95	9.25
8.75"	2360	10300	7.625"	29.7	P110-ICY	W513	1.37	1.71	3.49	2.10
6.75"	0	10100	5.5"	23	P110-CY	BTC	2.05	2.39	3.14	3.14
6.75"	10100	21,050	5.5"	23	P110-CY	W441	1.93	2.24	2.95	2.68
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172

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

The 5 1/2" W441 casing will be run back 200' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

February 4, 2026

1

ConocoPhillips Company - TATER SALAD FED COM 904H

	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 904H

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	750	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	640	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	820	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

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

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

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
Production	9,800'	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)	300	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	510	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	820	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	2,360'	20%
Production	10,050'	20% OH in Lateral (KOP to EOL)

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

ConocoPhillips Company - TATER SALAD FED COM 904H

4. Pressure Control Equipment

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

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

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

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

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3170 Subpart 3172.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per 43 CFR Part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

ConocoPhillips Company - TATER SALAD FED COM 904H

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 904H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7550 psi at 10752' TVD
Abnormal Temperature	NO 165 Deg. F.

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

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

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

N H2S is present

Y H2S Plan attached

8. Other Facets of Operation

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

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

Well Name: TATER SALAD FEDERAL COM	Well Location: T26S / R28E / SEC 24 / NENE / 32.034803 / -104.035911	County or Parish/State: EDDY / NM
Well Number: 904H	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: 2894385

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 02/04/2026	Time Sundry Submitted: 01:12
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 # 30-015-57314 APD ID: 10400090891 Summary of changes: • No changes in targets • MD at TD changed to 21,050' • TVD of target changed to 10,752' • 7-5/8" casing shoe @ 10,300' MD • Contingency cement program to include bradenhead cement job if severe losses are encountered • Request surface and intermediate cement jobs to be performed offline • Request variance to perform BOPE break testing on intermediate skids Drilling program, directional plan, AC report, bradenhead and break testing.

NOI Attachments

Procedure Description

- COP_Offline_Bradenhead_Intermediate_Documentation_20260204131103.pdf
- TATER_SALAD_FEDERAL_COM_904H_PWP2_AC_RPT_20260204131102.pdf
- TATER_SALAD_FEDERAL_COM_904H_PWP2_PPLOT_20260204131102.pdf
- Tater_Salad_Federal_Com_904H_Drilling_Program_20260204131102.pdf
- TATER_SALAD_FEDERAL_COM_904H_PWP2_DIR_RPT_20260204131102.pdf
- COP_BOP_Break_Testing_Documentation_20260204131100.pdf

Received by OCD: 2/20/2026 8:21:57 AM

Page 86 of 178

Well Name: TATER SALAD FEDERAL COM	Well Location: T26S / R28E / SEC 24 / NENE / 32.034803 / -104.035911	County or Parish/State: EDDY / NM
Well Number: 904H	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

TATER_SALAD_FED_COM_904H_COAs_20260211145952.pdf

SEC24_T26S_R28E_TATER_SALAD_FED_COM_Eddy_CONOCOPHILLIPS_COMPANY_46064_JS_20260211145952.pdf

SEC24_T26S_R28E_TATER_SALAD_FED_COM_Eddy_CONOCOPHILLIPS_COMPANY_46064_JS_B_20260211145952.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 06, 2026 08:59 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

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/904H	
9. API Well No.	
10. Field and Pool or Exploratory Area PURPLE SAGE/Wolfcamp	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 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 # 30-015-57314
APD ID: 10400090891

Summary of changes:
No changes in targets
MD at TD changed to 21,050'
TVD of target changed to 10,752'
7-5/8" casing shoe @ 10,300' MD
Contingency cement program to include bradenhead cement job if severe losses are encountered
Request surface and intermediate cement jobs to be performed offline
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 02/06/2026

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.

Location of Well

0. SHL: NENE / 205 FNL / 1150 FEL / TWSP: 26S / RANGE: 28E / SECTION: 24 / LAT: 32.034803 / LONG: -104.035911 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 330 FSL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.036267 / LONG: -104.038057 (TVD: 10745 feet, MD: 11027 feet)

PPP: SWNE / 1321 FNL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 13 / LAT: 32.046266 / LONG: -104.038038 (TVD: 10781 feet, MD: 14357 feet)

BHL: NWNE / 200 FNL / 1815 FEL / TWSP: 26S / RANGE: 28E / SECTION: 12 / LAT: 32.063806 / LONG: -104.038005 (TVD: 10800 feet, MD: 21098 feet)

CONFIDENTIAL

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	TATER SALAD FED COM 904H
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

SEC24-T26S-R28E_TATER SALAD FED COM_Eddy__CONOCOPHILLIPS COMPANY_46064_JS

TATER SALAD FED COM

10 3/4		surface csg in a		14 3/4	inch hole.		Design Factors			Surface			
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	45.50			J 55	BTC	34.94	10.16	0.67	450	18	1.16	19.59	20,475
"B"					BTC				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500					Tail Cmt	does not	circ to sfc.	Totals:	450				20,475
Comparison of Proposed to Minimum Required Cement Volumes													
Hole	Annular	1 Stage		1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx		CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
14 3/4	0.5563	470		720	250	188	8.80	3085	5M				1.50
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.													
Alt burst ok													

7 5/8		casing inside the		10 3/4		Design Factors					Int 1		
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	29.70	L 80			BTC	2.23	1.23	0.91	7,500	1	1.33	2.13	222,750
"B"	29.70	P 110			W-513	6.78	1.00	1.25	2,800	2	1.83	1.73	83,160
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,650									Totals:	10,300		305,910	
The cement volume(s) are intended to achieve a top of						0	ft from surface or a		450			overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx		1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg	
9 7/8	0.2148	1000		2813	2216	27	10.00	5186	10M			0.69	
D V Tool(s):								sum of sx	Σ CuFt		Σ%excess		
t by stage % :		#VALUE!		#VALUE!				1000	2813		27		
Class 'H' tail cmt yld > 1.20								MASP is within 10% of 5000psig, need exrta equip?					
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.92, b, c, d All > 0.70, OK.								Keep Casing Full, Alt Burst ok,					

Tail cmt													
5 1/2		casing inside the		7 5/8		Design Factors				Prod 1			
Segment	#/ft	Grade		Coupling		Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	P 110		BTC		2.97	1.56	1.67	10,100	2	2.44	2.28	202,000
"B"	20.00	P 110		W441		6.63	1.49	1.9	11,041	2	2.77	2.37	220,820
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,222									Totals:	21,141	422,820		
The cement volume(s) are intended to achieve a top of						10100	ft from surface or a		200		overlap.		
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
6 3/4	0.0835	1470	2059	924	123	13.50						0.35	
Class 'C' tail cmt yld > 1.35													
Clearance ok must tie back 500ft													

#N/A													
0		5 1/2			Design Factors				<Choose Casing>				
Segment	#/ft	Grade		Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"				0.00				0				0	
"B"				0.00				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig:								Totals:	0				0
Cmt vol calc below includes this csg, TOC intended					#N/A	ft from surface or a		#N/A				overlap.	
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE				Min Dist Hole-Cplg	
0		#N/A	#N/A	0	#N/A								
#N/A													
Capitan Reef est top XXXX.													

SEC24-T26S-R28E_TATER SALAD FED COM_Eddy__CONOCOPHILLIPS COMPANY_46064_JS B

TATER SALAD FED COM

13 3/8		surface csg in a		17 1/2	inch hole.		Design Factors			Surface			
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50			J 55	BTC	34.79	5.49	0.51	450	14	0.89	10.59	24,525
"B"					BTC				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500					Tail Cmt	does not	circ to sfc.	Totals:	450				24,525
Comparison of Proposed to Minimum Required Cement Volumes													
Hole	Annular	1 Stage		1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx		CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
17 1/2	0.6946	520		808	313	158	8.80	3085	5M				1.56
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.													
Alt Burst OK													

9 5/8		casing inside the		13 3/8		Design Factors				Int 1				
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	40.00				L 80	BTC	8.91	2.31	1.07	2,570	1	1.86	4.01	102,800
"B"										0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500									Totals:		2,570			102,800
The cement volume(s) are intended to achieve a top of						0	ft from surface or a		450			overlap.		
Hole Size	Annular Volume	1 Stage Cmt Sx		1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg		
12 1/4	0.3132	690		1052	827	27	10.00	3085	5M			0.81		
D V Tool(s):								sum of sx		Σ CuFt		Σ%excess		
t by stage % :		#VALUE!		#VALUE!				690		1052		27		
Class 'H' tail cmt yld > 1.20														

7 5/8		Liner w/top @		2370		Design Factors				Liner			
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	29.70	P 110		W-513	2.39	1	1.25	7,930	2	1.83	1.73	235,521	
"B"				0.00					0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,266								Totals:	7,930				235,521
The cement volume(s) are intended to achieve a top of						4220	ft from surface or a		-1650		overlap.		
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg		
8 3/4	0.1005	390	1112	611	82	10.00	5186	10M			0.56		
Class 'C' tail cmt yld > 1.35													MASP is within 10% of 5000psig, need exrta equip?
Keep Casing Full,													

Tail cmt													
5 1/2		casing inside the		7 5/8		Design Factors				Prod 1			
Segment	#/ft	Grade		Coupling		Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	23.00	P 110		BTC		2.92	2.05	1.64	10,100	2	2.38	2.99	232,300
"B"	23.00	P 110		W-441		6.55	1.74	1.92	11,041	2	2.80	2.80	253,943
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,222									Totals:		21,141		486,243
The cement volume(s) are intended to achieve a top of						10100	ft from surface or a		200			overlap.	
Hole	Annular	1 Stage		1 Stage		Min	1 Stage	Drilling	Calc	Req'd		Min Dist	
Size	Volume	Cmt Sx		CuFt Cmt		Cu Ft	% Excess	Mud Wt	MASP	BOPE		Hole-Cplg	
6 3/4	0.0835	1340		1867		924	102	13.50				0.43	
Class 'H' tail cmt yld > 1.20				Capitan Reef est top XXXX.				MASP is within 10% of 5000psig, need exrta equip?					

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

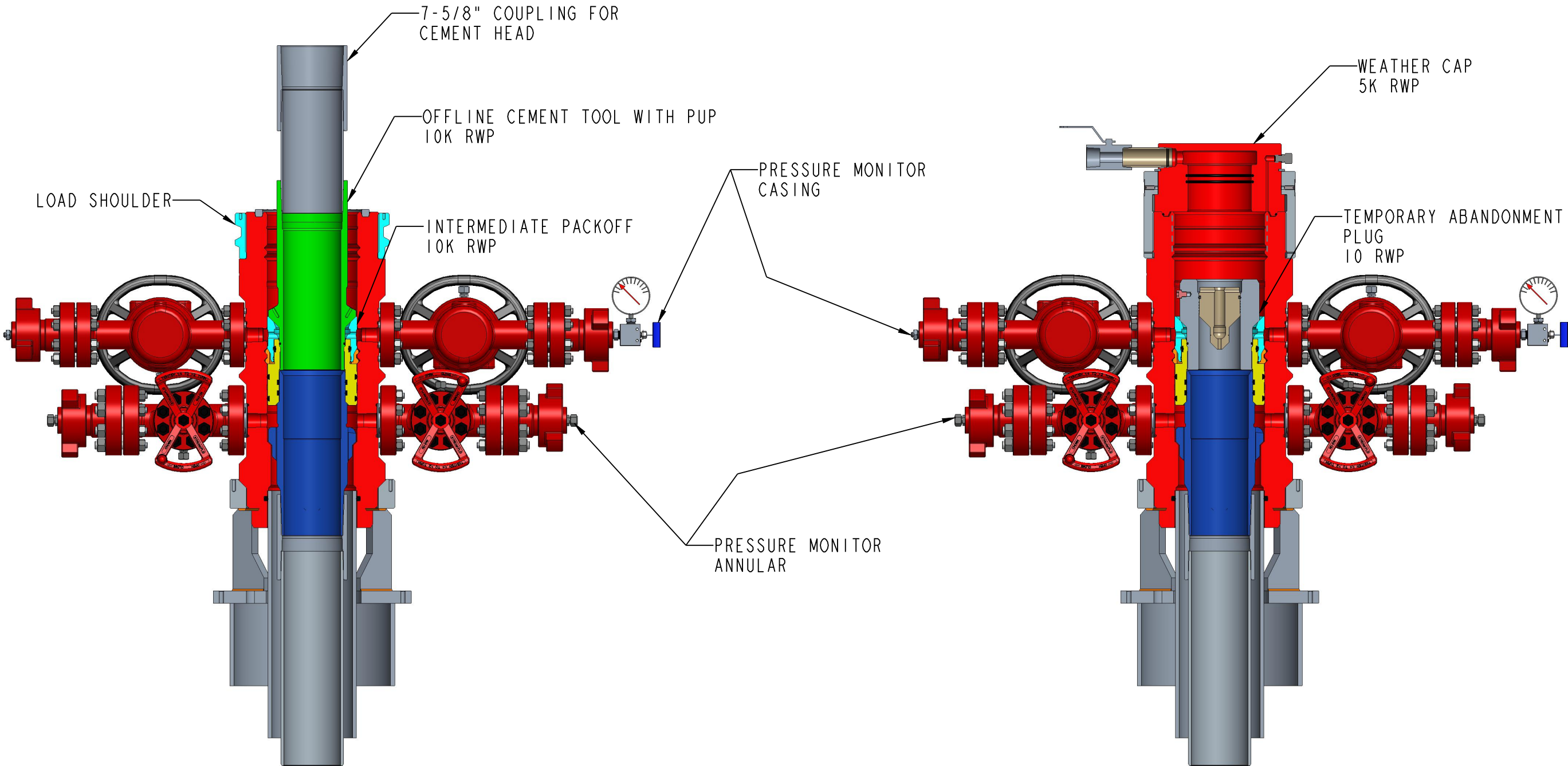
1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through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

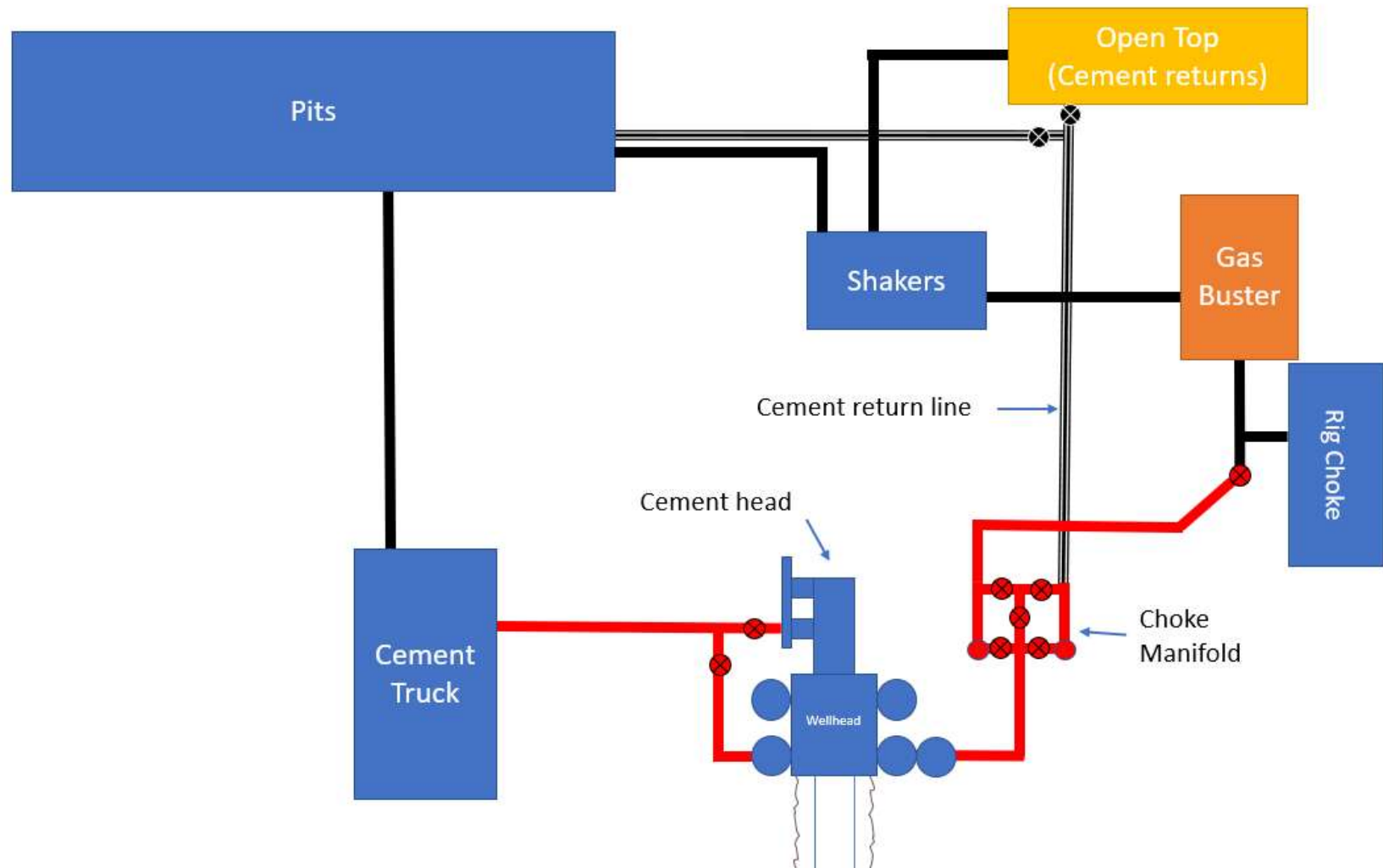
1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - 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 904H

300155731400

OWB

PWP2

Anticollision Report

31 January, 2026

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

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

Survey Tool Program		Date	1/31/2026		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	2,000.00	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.	
2,000.00	10,329.59	PWP2 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5	
10,329.59	21,049.69	PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + SAG + FDIR Corr.	

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						
MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP	0.00	0.00	482.50			
MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP	5,400.00	5,328.54	995.82	961.92	29.378 SF	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	6,745.29	6,687.54	372.45	334.73	9.874 CC	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	7,100.00	7,041.72	372.56	334.14	9.698 ES	
MOMBA 24 FEDERAL COM 3H - OWB - AWP	7,300.00	7,239.75	373.48	334.73	9.638 SF	
MOMBA FEDERAL COM 701H - OWB - AWP	3,562.21	3,545.71	460.42	447.75	36.350 CC, ES	
MOMBA FEDERAL COM 701H - OWB - AWP	6,800.00	6,717.18	925.79	895.86	30.926 SF	
MOMBA FEDERAL COM 702H - OWB - AWP	3,986.01	3,949.67	506.73	493.14	37.301 CC	
MOMBA FEDERAL COM 702H - OWB - AWP	4,000.00	3,963.39	506.73	493.12	37.219 ES	
MOMBA FEDERAL COM 702H - OWB - AWP	9,683.05	9,799.52	601.09	566.28	17.269 SF	
MOMBA FEDERAL COM 703H - OWB - AWP	9,804.45	9,931.35	131.18	95.40	3.667 CC, ES, SF	
MOMBA FEDERAL COM 901H - OWB - PWP1	3,971.62	3,932.06	681.48	667.37	48.300 CC	
MOMBA FEDERAL COM 901H - OWB - PWP1	4,000.00	3,959.48	681.52	667.34	48.085 ES	
MOMBA FEDERAL COM 901H - OWB - PWP1	7,900.00	7,783.22	995.09	966.80	35.174 SF	
MOMBA FEDERAL COM 902H - OWB - PWP2	10,800.00	11,129.69	616.01	578.61	16.473 SF	
MOMBA FEDERAL COM 902H - OWB - PWP2	11,120.58	10,811.32	599.28	563.36	16.685 CC, ES	
MOMBA FEDERAL COM 903H - OWB - PWP2	11,046.48	10,800.00	210.65	173.56	5.679 CC	
MOMBA FEDERAL COM 903H - OWB - PWP2	11,050.00	10,797.40	210.66	173.55	5.677 ES	
MOMBA FEDERAL COM 903H - OWB - PWP2	11,075.00	10,778.74	211.15	173.95	5.676 SF	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	1,966.33	1,967.33	201.02	189.68	17.731 CC	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	2,000.00	2,000.00	201.02	189.58	17.573 ES	
TATER SALAD FEDERAL COM 701H - OWB - PWP2	2,100.00	2,094.30	204.37	192.49	17.215 SF	
TATER SALAD FEDERAL COM 702H - OWB - PWP2	2,000.00	2,001.00	200.00	188.56	17.481 CC, ES	
TATER SALAD FEDERAL COM 702H - OWB - PWP2	2,200.00	2,200.86	206.90	194.74	17.020 SF	
TATER SALAD FEDERAL COM 703H - OWB - PWP2	5,541.29	5,578.36	130.72	95.71	3.734 CC	
TATER SALAD FEDERAL COM 703H - OWB - PWP2	5,600.00	5,635.33	131.11	95.65	3.697 ES	
TATER SALAD FEDERAL COM 703H - OWB - PWP2	5,800.00	5,829.25	135.81	98.88	3.677 SF	
TATER SALAD FEDERAL COM 704H - OWB - PWP2	2,804.45	2,841.24	110.22	96.07	7.788 CC, ES	
TATER SALAD FEDERAL COM 704H - OWB - PWP2	3,000.00	3,034.93	113.49	98.64	7.640 SF	
TATER SALAD FEDERAL COM 901H - OWB - PWP2	2,000.00	2,000.10	60.00	48.56	5.245 CC, ES	
TATER SALAD FEDERAL COM 901H - OWB - PWP2	2,200.00	2,199.94	61.49	49.51	5.131 SF	
TATER SALAD FEDERAL COM 902H - OWB - PWP2	2,121.40	2,121.79	39.84	28.06	3.382 CC, ES	
TATER SALAD FEDERAL COM 902H - OWB - PWP2	2,200.00	2,200.37	40.32	28.32	3.359 SF	
TATER SALAD FEDERAL COM 903H - OWB - PWP2	1,966.63	1,966.73	20.00	8.66	1.764 Caution - Monitor Closely, CC	
TATER SALAD FEDERAL COM 903H - OWB - PWP2	2,000.00	2,000.00	20.00	8.56	1.748 Caution - Monitor Closely, 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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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 905H - OWB - PWP2	2,000.00	2,000.00	20.00	8.56	1.748	Caution - Monitor Closely, CC
TATER SALAD FEDERAL COM 905H - OWB - PWP2	2,100.00	2,100.01	20.26	8.54	1.729	Caution - Monitor Closely, ES, SF

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
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	0.00	13.00	0.00	3.00	160.20	-453.80	163.40	482.50				
100.00	100.00	82.32	95.32	0.77	3.02	160.23	-454.28	163.24	482.74	477.92	4.82	100.088	
200.00	200.00	181.83	194.81	1.44	3.10	160.35	-455.65	162.70	483.86	478.62	5.23	92.448	
300.00	300.00	280.25	293.23	1.88	3.22	160.47	-457.10	162.14	485.05	479.40	5.65	85.793	
400.00	400.00	376.76	389.72	2.25	3.36	160.54	-458.87	162.12	486.78	480.70	6.08	80.060	
500.00	500.00	470.79	483.72	2.56	3.52	160.52	-461.18	163.11	489.45	482.93	6.52	75.087	
600.00	600.00	568.04	580.89	2.84	3.71	160.42	-464.32	165.12	493.17	486.20	6.97	70.728	
700.00	700.00	669.91	682.69	3.10	3.94	160.30	-467.57	167.44	496.94	489.49	7.46	66.656	
800.00	800.00	768.92	781.63	3.34	4.17	160.14	-470.33	169.84	500.40	492.46	7.93	63.071	
900.00	900.00	867.06	879.69	3.57	4.44	160.03	-473.58	172.05	504.28	495.85	8.42	59.879	
1,000.00	1,000.00	968.50	981.04	3.79	4.73	159.97	-477.19	173.93	508.25	499.32	8.93	56.916	
1,100.00	1,100.00	1,071.06	1,083.54	3.99	5.04	159.92	-480.37	175.56	511.71	502.27	9.44	54.184	
1,200.00	1,200.00	1,171.83	1,184.27	4.19	5.35	159.88	-483.16	177.01	514.80	504.85	9.95	51.730	
1,300.00	1,300.00	1,275.01	1,287.40	4.38	5.66	159.84	-485.78	178.32	517.63	507.17	10.47	49.460	
1,400.00	1,400.00	1,376.20	1,388.57	4.56	5.98	159.82	-487.85	179.27	519.87	508.91	10.97	47.400	
1,500.00	1,500.00	1,479.24	1,491.59	4.74	6.29	159.78	-489.61	180.36	521.85	510.38	11.46	45.535	
1,600.00	1,600.00	1,580.86	1,593.19	4.91	6.58	159.69	-490.70	181.58	523.26	511.33	11.93	43.859	
1,700.00	1,700.00	1,680.87	1,693.20	5.08	6.88	159.64	-491.73	182.47	524.54	512.14	12.40	42.312	
1,800.00	1,800.00	1,780.60	1,792.92	5.24	7.18	159.62	-492.89	183.14	525.86	512.99	12.87	40.863	
1,900.00	1,900.00	1,880.01	1,892.31	5.40	7.48	159.63	-494.24	183.49	527.26	513.91	13.35	39.509	
2,000.00	2,000.00	1,977.80	1,990.09	5.56	7.79	159.58	-495.57	184.51	528.89	515.07	13.82	38.276	
2,100.00	2,099.98	2,074.50	2,086.73	5.79	8.07	-119.41	-496.65	187.57	531.91	517.65	14.26	37.302	
2,200.00	2,199.84	2,170.56	2,182.69	6.01	8.36	-120.16	-497.91	191.86	537.36	522.66	14.70	36.562	
2,300.00	2,299.45	2,265.49	2,277.49	6.26	8.66	-121.16	-499.70	196.45	545.41	530.25	15.16	35.977	
2,400.00	2,398.70	2,359.70	2,371.49	6.52	8.97	-122.48	-501.67	202.43	556.35	540.70	15.65	35.557	
2,499.94	2,497.41	2,459.05	2,470.55	6.80	9.30	-124.16	-503.76	209.64	570.04	553.86	16.18	35.237	
2,600.00	2,595.95	2,562.15	2,573.43	7.04	9.64	-126.14	-505.28	216.27	584.42	567.71	16.72	34.963	
2,700.00	2,694.43	2,666.82	2,677.96	7.29	9.98	-127.95	-506.39	221.49	598.35	581.09	17.26	34.670	
2,800.00	2,792.91	2,767.41	2,778.48	7.56	10.29	-129.52	-507.01	225.20	611.74	593.95	17.79	34.391	
2,900.00	2,891.39	2,868.26	2,879.27	7.84	10.60	-131.01	-507.53	228.58	625.28	606.96	18.32	34.125	
3,000.00	2,989.87	2,968.13	2,979.10	8.15	10.90	-132.39	-507.76	231.38	638.69	619.83	18.86	33.868	
3,100.00	3,088.35	3,067.61	3,078.55	8.46	11.19	-133.70	-507.92	233.95	652.25	632.85	19.40	33.620	
3,200.00	3,186.83	3,168.18	3,179.09	8.79	11.48	-134.95	-508.00	236.14	665.83	645.88	19.95	33.379	
3,300.00	3,285.31	3,267.89	3,278.78	9.13	11.76	-136.13	-507.86	238.02	679.34	658.85	20.49	33.154	
3,400.00	3,383.80	3,365.78	3,376.66	9.48	12.03	-137.21	-507.83	239.57	693.03	671.98	21.04	32.932	
3,500.00	3,482.28	3,464.98	3,475.85	9.84	12.32	-138.26	-507.89	241.08	706.98	685.36	21.62	32.698	
3,600.00	3,580.76	3,565.53	3,576.39	10.21	12.60	-139.26	-507.98	242.15	720.89	698.67	22.21	32.453	
3,700.00	3,679.24	3,664.01	3,674.87	10.58	12.88	-140.17	-508.12	242.80	734.76	711.95	22.81	32.210	
3,800.00	3,777.72	3,761.81	3,772.67	10.96	13.17	-141.03	-508.39	243.44	748.90	725.47	23.43	31.963	
3,900.00	3,876.20	3,861.13	3,871.99	11.35	13.47	-141.86	-508.76	243.98	763.20	739.13	24.07	31.709	
4,000.00	3,974.68	3,960.42	3,971.28	11.74	13.75	-142.66	-509.02	244.40	777.49	752.78	24.71	31.467	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM 1H (P&A) - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-r.5 SDI_KPR_ADK, 6533-r.5 MWD													Offset Well Error: 3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,100.00	4,073.16	4,057.99	4,068.84	12.13	14.03	-143.41	-509.38	244.67	791.89	766.55	25.34	31.248	
4,200.00	4,171.64	4,155.82	4,166.67	12.53	14.29	-144.11	-510.08	244.83	806.58	780.61	25.97	31.057	
4,300.00	4,270.13	4,253.90	4,264.75	12.93	14.55	-144.78	-510.90	244.87	821.39	794.80	26.60	30.884	
4,400.00	4,368.61	4,352.22	4,363.07	13.34	14.80	-145.42	-511.77	244.98	836.38	809.16	27.22	30.726	
4,500.00	4,467.09	4,450.62	4,461.46	13.75	15.05	-146.03	-512.78	244.91	851.44	823.60	27.84	30.580	
4,600.00	4,565.57	4,548.50	4,559.33	14.16	15.31	-146.62	-513.72	244.99	866.64	838.17	28.47	30.437	
4,700.00	4,664.05	4,645.08	4,655.91	14.58	15.59	-147.20	-514.56	245.25	882.03	852.90	29.13	30.283	
4,800.00	4,762.53	4,741.24	4,752.07	15.00	15.89	-147.77	-515.42	245.88	897.81	868.01	29.80	30.128	
4,900.00	4,861.01	4,837.48	4,848.30	15.42	16.20	-148.30	-516.58	246.45	913.82	883.34	30.48	29.978	
5,000.00	4,959.49	4,933.26	4,944.06	15.84	16.51	-148.79	-518.19	247.11	930.28	899.11	31.16	29.850	
5,100.00	5,057.97	5,033.56	5,044.35	16.26	16.82	-149.29	-519.97	247.68	946.78	914.92	31.86	29.713	
5,200.00	5,156.46	5,134.21	5,144.98	16.69	17.13	-149.75	-521.70	247.96	963.08	930.53	32.55	29.589	
5,300.00	5,254.94	5,232.18	5,242.94	17.11	17.43	-150.20	-523.22	248.22	979.33	946.11	33.22	29.480	
5,400.00	5,353.42	5,328.54	5,339.28	17.54	17.73	-150.63	-524.73	248.69	995.82	961.92	33.90	29.378 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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		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)	Ellipses (usft)				
2,600.00	2,595.95	2,615.02	2,618.39	7.04	7.19	0.51	164.74	-1,030.54	983.00	968.67	14.33	68.620		
2,700.00	2,694.43	2,707.58	2,710.93	7.29	7.31	0.50	164.19	-1,028.78	963.69	948.99	14.70	65.544		
2,800.00	2,792.91	2,806.24	2,809.58	7.56	7.44	0.47	163.37	-1,027.17	944.62	929.50	15.12	62.466		
2,900.00	2,891.39	2,905.29	2,908.61	7.84	7.59	0.47	162.85	-1,025.43	925.47	909.90	15.57	59.436		
3,000.00	2,989.87	3,000.00	3,003.30	8.15	7.76	0.49	162.81	-1,023.80	906.43	890.39	16.04	56.506		
3,100.00	3,088.35	3,097.13	3,100.42	8.46	7.94	0.51	162.80	-1,022.38	887.64	871.10	16.54	53.666		
3,200.00	3,186.83	3,195.33	3,198.62	8.79	8.14	0.54	162.81	-1,021.03	868.95	851.89	17.06	50.930		
3,300.00	3,285.31	3,291.53	3,294.80	9.13	8.34	0.57	162.85	-1,019.81	850.37	832.76	17.60	48.315		
3,400.00	3,383.80	3,387.01	3,390.28	9.48	8.54	0.58	162.76	-1,018.90	832.07	813.91	18.16	45.830		
3,500.00	3,482.28	3,486.75	3,490.01	9.84	8.76	0.59	162.56	-1,018.10	813.89	795.16	18.73	43.453		
3,600.00	3,580.76	3,582.18	3,585.44	10.21	8.95	0.59	162.24	-1,017.36	795.73	776.42	19.31	41.202		
3,700.00	3,679.24	3,676.92	3,680.18	10.58	9.13	0.58	161.90	-1,017.08	778.02	758.12	19.89	39.108		
3,800.00	3,777.72	3,774.99	3,778.25	10.96	9.31	0.57	161.64	-1,017.08	760.61	740.13	20.48	37.142		
3,900.00	3,876.20	3,873.76	3,877.03	11.35	9.51	0.58	161.50	-1,017.00	743.15	722.08	21.08	35.259		
4,000.00	3,974.68	3,970.43	3,973.69	11.74	9.70	0.59	161.48	-1,016.98	725.77	704.10	21.67	33.490		
4,100.00	4,073.16	4,065.77	4,069.03	12.13	9.86	0.59	161.45	-1,017.32	708.75	686.49	22.25	31.850		
4,200.00	4,171.64	4,162.98	4,166.24	12.53	10.01	0.59	161.39	-1,018.05	692.11	669.27	22.84	30.309		
4,300.00	4,270.13	4,261.79	4,265.04	12.93	10.18	0.57	161.06	-1,018.88	675.51	652.08	23.43	28.833		
4,400.00	4,368.61	4,360.82	4,364.07	13.34	10.35	0.53	160.59	-1,019.68	658.86	634.83	24.03	27.416		
4,500.00	4,467.09	4,459.76	4,463.00	13.75	10.53	0.47	159.79	-1,020.47	642.15	617.50	24.65	26.056		
4,600.00	4,565.57	4,557.22	4,560.46	14.16	10.71	0.40	159.11	-1,021.25	625.46	600.19	25.26	24.757		
4,700.00	4,664.05	4,655.00	4,658.23	14.58	10.90	0.35	158.61	-1,022.25	609.01	583.12	25.89	23.523		
4,800.00	4,762.53	4,753.54	4,756.77	15.00	11.10	0.27	157.85	-1,023.32	592.59	566.07	26.52	22.344		
4,900.00	4,861.01	4,852.71	4,855.93	15.42	11.30	0.17	156.88	-1,024.44	576.17	549.02	27.16	21.216		
5,000.00	4,959.49	4,951.82	4,955.02	15.84	11.50	0.04	155.71	-1,025.43	559.61	531.81	27.80	20.131		
5,100.00	5,057.97	5,050.25	5,053.43	16.26	11.70	-0.11	154.43	-1,026.44	543.05	514.61	28.44	19.092		
5,200.00	5,156.46	5,149.48	5,152.65	16.69	11.92	-0.28	153.06	-1,027.46	526.50	497.40	29.09	18.098		
5,300.00	5,254.94	5,249.05	5,252.20	17.11	12.14	-0.49	151.39	-1,028.31	509.73	479.99	29.74	17.140		
5,400.00	5,353.42	5,347.56	5,350.69	17.54	12.37	-0.73	149.62	-1,029.08	492.88	462.49	30.39	16.217		
5,500.00	5,451.90	5,446.03	5,449.15	17.97	12.61	-0.97	147.94	-1,029.90	476.11	445.06	31.05	15.335		
5,600.00	5,550.38	5,543.95	5,547.04	18.40	12.85	-1.28	145.88	-1,030.75	459.32	427.62	31.71	14.487		
5,624.17	5,574.18	5,567.30	5,570.39	18.50	12.90	-1.36	145.38	-1,030.99	455.31	423.45	31.86	14.291		
5,700.00	5,648.95	5,641.33	5,644.40	18.82	13.09	-1.62	143.81	-1,031.91	443.37	411.01	32.35	13.705		
5,800.00	5,747.78	5,739.92	5,742.95	19.24	13.34	-1.97	141.70	-1,033.23	429.24	396.24	33.00	13.006		
5,900.00	5,846.87	5,839.37	5,842.37	19.65	13.60	-2.34	139.65	-1,034.61	416.92	383.28	33.64	12.393		
6,000.00	5,946.18	5,939.65	5,942.62	20.05	13.87	-2.74	137.36	-1,035.82	406.15	371.89	34.26	11.854		
6,100.00	6,045.68	6,039.44	6,042.37	20.44	14.14	-3.18	134.87	-1,036.90	396.99	362.12	34.87	11.385		
6,200.00	6,145.33	6,139.61	6,142.50	20.81	14.42	-3.64	132.27	-1,037.98	389.57	354.11	35.46	10.987		
6,300.00	6,245.12	6,240.89	6,243.75	21.17	14.70	-4.05	130.00	-1,038.71	383.60	347.58	36.01	10.652		
6,400.00	6,345.00	6,342.64	6,345.48	21.50	14.97	-4.43	127.80	-1,039.04	378.98	342.45	36.53	10.373		
6,500.00	6,444.96	6,445.31	6,448.12	21.80	15.25	-4.83	125.37	-1,038.72	375.48	338.48	37.01	10.147		
6,600.00	6,544.95	6,545.59	6,548.34	22.04	15.52	-5.35	122.04	-1,037.87	373.14	335.72	37.42	9.972		
6,624.05	6,569.00	6,569.04	6,571.78	22.06	15.59	-86.84	121.33	-1,037.72	372.89	335.41	37.48	9.948		
6,700.00	6,644.95	6,643.23	6,645.94	22.08	15.80	-87.14	119.36	-1,037.45	372.51	334.88	37.63	9.899		
6,745.29	6,690.24	6,687.54	6,690.24	22.10	15.92	-87.32	118.22	-1,037.45	372.45	334.73	37.72	9.874 CC		
6,800.00	6,744.95	6,741.92	6,744.60	22.11	16.08	-87.53	116.85	-1,037.55	372.49	334.66	37.83	9.847		
6,900.00	6,844.95	6,842.18	6,844.84	22.15	16.37	-87.89	114.54	-1,037.73	372.58	334.56	38.02	9.799		
7,000.00	6,944.95	6,942.51	6,945.14	22.19	16.66	-88.23	112.32	-1,037.76	372.54	334.32	38.22	9.748		
7,057.50	7,002.45	6,999.84	7,002.45	22.21	16.83	-88.44	110.93	-1,037.78	372.52	334.19	38.33	9.719		
7,100.00	7,044.95	7,041.72	7,044.31	22.22	16.95	-88.61	109.84	-1,037.85	372.56	334.14	38.42	9.698 ES		
7,200.00	7,144.95	7,140.63	7,143.19	22.26	17.19	-89.03	107.13	-1,038.24	372.90	334.31	38.59	9.663		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA 24 FEDERAL COM 3H - OWB - AWP												Offset Site Error:	0.00 usft
Survey Program: 100-r.5 SDI_KPR_ADK, 7080-r.5 MWD												Offset Well Error:	3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,300.00	7,244.95	7,239.75	7,242.28	22.30	17.38	-89.35	105.04	-1,038.85	373.48	334.73	38.75	9.638 SF	
7,400.00	7,344.95	7,337.27	7,339.79	22.33	17.43	-89.60	103.42	-1,039.91	374.55	335.72	38.84	9.644	
7,500.00	7,444.95	7,437.51	7,440.00	22.37	17.47	-89.83	101.94	-1,041.26	375.89	336.98	38.91	9.661	
7,600.00	7,544.95	7,537.27	7,539.75	22.41	17.52	-90.06	100.40	-1,042.60	377.24	338.26	38.98	9.677	
7,700.00	7,644.95	7,634.45	7,636.87	22.44	17.58	-90.50	97.49	-1,044.03	378.73	339.67	39.06	9.696	
7,800.00	7,744.95	7,750.31	7,751.79	22.48	17.65	-92.49	84.31	-1,044.47	379.49	340.55	38.94	9.746	
7,878.33	7,823.27	7,824.41	7,823.27	22.51	17.71	-95.42	65.10	-1,041.59	377.88	338.98	38.89	9.716	
7,900.00	7,844.95	7,841.37	7,839.54	22.52	17.72	-96.15	60.29	-1,041.24	378.05	339.15	38.90	9.719	
8,000.00	7,944.95	7,919.33	7,913.01	22.56	17.80	-100.04	34.35	-1,040.70	382.47	343.64	38.83	9.850	
8,100.00	8,044.95	7,996.03	7,980.92	22.60	17.92	-105.15	-1.03	-1,041.53	394.89	356.37	38.52	10.251	
8,200.00	8,144.95	8,058.00	8,029.07	22.64	18.03	-110.59	-39.85	-1,039.81	416.40	378.48	37.92	10.980	
8,300.00	8,244.95	8,105.03	8,060.63	22.67	18.11	-115.25	-74.60	-1,037.38	450.67	413.62	37.06	12.162	
8,400.00	8,344.95	8,146.80	8,085.46	22.71	18.17	-119.48	-108.08	-1,034.88	497.48	461.40	36.08	13.790	
8,500.00	8,444.95	8,184.00	8,105.38	22.75	18.22	-123.24	-139.34	-1,031.83	554.30	519.14	35.16	15.766	
8,600.00	8,544.95	8,216.00	8,120.42	22.79	18.27	-126.44	-167.39	-1,028.61	619.73	585.33	34.40	18.017	
8,700.00	8,644.95	8,226.14	8,124.70	22.83	18.28	-127.44	-176.52	-1,027.55	691.89	658.09	33.80	20.471	
8,800.00	8,744.95	8,248.00	8,133.12	22.87	18.32	-129.56	-196.56	-1,025.31	769.60	736.22	33.38	23.056	
8,900.00	8,844.95	8,248.00	8,133.12	22.91	18.32	-129.56	-196.56	-1,025.31	851.26	818.19	33.08	25.736	
9,000.00	8,944.95	8,274.00	8,141.82	22.95	18.36	-131.99	-220.93	-1,022.79	936.08	903.15	32.93	28.430	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 701H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference													
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	11.00	0.00	3.00	-33.15	522.80	-341.50	624.55				
100.00	100.00	91.56	102.55	0.77	3.00	-33.21	522.29	-341.93	624.27	619.47	4.80	130.091	
200.00	200.00	191.69	202.66	1.44	3.00	-33.39	521.05	-343.40	624.04	618.92	5.12	121.870	
300.00	300.00	294.11	305.07	1.88	3.01	-33.55	519.50	-344.54	623.39	617.96	5.43	114.876	
400.00	400.00	397.45	408.39	2.25	3.03	-33.66	517.69	-344.79	622.05	616.33	5.72	108.718	
500.00	500.00	496.59	507.51	2.56	3.05	-33.79	515.96	-345.28	620.88	614.87	6.01	103.365	
600.00	600.00	591.06	601.96	2.84	3.07	-33.97	514.45	-346.58	620.31	614.03	6.28	98.791	
620.32	620.32	609.42	620.32	2.90	3.08	-34.00	514.22	-346.84	620.26	613.93	6.33	97.970	
700.00	700.00	687.02	697.90	3.10	3.10	-34.15	513.58	-348.35	620.58	614.04	6.54	94.898	
800.00	800.00	784.38	795.23	3.34	3.13	-34.38	512.61	-350.67	621.10	614.30	6.79	91.442	
900.00	900.00	881.54	892.32	3.57	3.17	-34.69	511.45	-354.03	622.07	615.03	7.04	88.385	
1,000.00	1,000.00	1,005.44	1,016.13	3.79	3.22	-35.08	508.69	-357.31	621.85	614.56	7.28	85.379	
1,100.00	1,100.00	1,102.80	1,113.45	3.99	3.26	-35.26	505.59	-357.50	619.36	611.84	7.53	82.297	
1,200.00	1,200.00	1,203.73	1,214.32	4.19	3.31	-35.48	502.17	-357.94	616.85	609.09	7.76	79.440	
1,285.57	1,285.57	1,275.00	1,285.56	4.35	3.33	-35.57	500.70	-358.06	615.55	607.59	7.96	77.295	
1,300.00	1,300.00	1,288.46	1,299.02	4.38	3.33	-35.57	500.73	-358.04	615.57	607.57	8.00	76.983	
1,400.00	1,400.00	1,389.36	1,399.92	4.56	3.33	-35.55	500.93	-358.00	615.71	607.49	8.22	74.920	
1,500.00	1,500.00	1,490.81	1,501.37	4.74	3.38	-35.59	500.59	-358.20	615.55	607.10	8.44	72.904	
1,600.00	1,600.00	1,596.66	1,607.19	4.91	3.38	-35.39	501.32	-356.11	614.97	606.30	8.67	70.964	
1,700.00	1,700.00	1,695.58	1,706.05	5.08	3.38	-35.06	502.62	-352.72	614.06	605.18	8.88	69.121	
1,800.00	1,800.00	1,795.03	1,805.44	5.24	3.38	-34.76	503.90	-349.67	613.37	604.27	9.10	67.415	
1,900.00	1,900.00	1,893.37	1,903.74	5.40	3.38	-34.53	504.75	-347.28	612.69	603.38	9.31	65.804	
2,000.00	2,000.00	2,003.33	2,013.66	5.56	3.40	-34.28	505.21	-344.35	611.55	602.03	9.52	64.209	
2,100.00	2,099.98	2,132.41	2,142.30	5.79	3.43	48.12	504.87	-334.24	605.80	596.03	9.77	62.007	
2,200.00	2,199.84	2,233.84	2,242.98	6.01	3.47	49.64	504.54	-321.95	595.51	585.50	10.00	59.526	
2,300.00	2,299.45	2,344.67	2,352.67	6.26	3.51	51.87	503.67	-306.11	581.89	571.65	10.23	56.855	
2,400.00	2,398.70	2,446.67	2,453.21	6.52	3.56	54.56	501.79	-289.07	564.78	554.31	10.47	53.964	
2,499.94	2,497.41	2,532.43	2,538.11	6.80	3.60	57.01	499.57	-277.18	547.35	536.64	10.71	51.128	
2,600.00	2,595.95	2,619.62	2,624.71	7.04	3.65	59.28	497.92	-267.32	531.65	520.73	10.91	48.711	
2,700.00	2,694.43	2,711.24	2,715.85	7.29	3.70	61.73	497.25	-257.86	518.43	507.32	11.12	46.633	
2,800.00	2,792.91	2,808.21	2,812.32	7.56	3.75	64.42	496.67	-248.04	506.56	495.24	11.31	44.773	
2,900.00	2,891.39	2,903.32	2,906.77	7.84	3.81	67.35	496.32	-236.88	495.71	484.21	11.50	43.098	
3,000.00	2,989.87	2,999.22	3,001.90	8.15	3.87	70.53	496.56	-224.76	486.73	475.05	11.68	41.678	
3,100.00	3,088.35	3,094.64	3,096.50	8.46	3.93	73.83	496.71	-212.35	479.26	467.42	11.85	40.453	
3,200.00	3,186.83	3,193.14	3,194.23	8.79	4.00	77.27	496.59	-200.02	473.36	461.35	12.01	39.410	
3,300.00	3,285.31	3,297.58	3,297.79	9.13	4.08	81.02	494.83	-186.62	467.72	455.54	12.17	38.417	
3,400.00	3,383.80	3,391.37	3,390.73	9.48	4.15	84.50	492.63	-174.29	463.34	450.99	12.35	37.518	
3,500.00	3,482.28	3,488.10	3,486.65	9.84	4.23	88.09	490.36	-161.90	460.89	448.35	12.54	36.758	
3,562.21	3,543.54	3,545.71	3,543.81	10.07	4.28	90.20	489.13	-154.88	460.42	447.75	12.67	36.350 CC, ES	
3,600.00	3,580.76	3,582.65	3,580.49	10.21	4.31	91.52	488.39	-150.58	460.50	447.75	12.75	36.121	
3,700.00	3,679.24	3,678.28	3,675.46	10.58	4.39	94.94	486.52	-139.50	461.99	449.00	12.99	35.570	
3,800.00	3,777.72	3,772.44	3,768.96	10.96	4.47	98.28	484.76	-128.55	465.34	452.08	13.26	35.091	
3,900.00	3,876.20	3,864.14	3,860.05	11.35	4.55	101.44	483.74	-117.97	471.10	457.53	13.57	34.721	
4,000.00	3,974.68	3,959.72	3,954.95	11.74	4.63	104.66	483.21	-106.66	479.10	465.18	13.92	34.406	
4,100.00	4,073.16	4,056.71	4,051.24	12.13	4.72	107.85	482.31	-95.02	488.45	474.11	14.33	34.078	
4,200.00	4,171.64	4,155.80	4,149.67	12.53	4.81	110.94	481.20	-83.68	498.88	484.09	14.79	33.728	
4,300.00	4,270.13	4,251.96	4,245.24	12.93	4.90	113.78	480.02	-73.14	510.36	495.08	15.28	33.401	
4,400.00	4,368.61	4,351.58	4,344.39	13.34	5.00	116.48	478.82	-63.49	522.38	506.57	15.81	33.042	
4,500.00	4,467.09	4,448.46	4,440.85	13.75	5.09	118.95	477.66	-54.59	535.19	518.84	16.36	32.717	
4,600.00	4,565.57	4,546.91	4,538.90	14.16	5.19	121.31	476.53	-45.80	548.86	531.92	16.94	32.400	
4,700.00	4,664.05	4,642.02	4,633.61	14.58	5.28	123.51	475.34	-37.15	563.44	545.90	17.53	32.135	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 701H - OWB - AWP													Offset Site Error:	0.00 usft
Survey Program:		100-Standard Keeper 104, 9101-r.5 MWD+IFR1+FDIR					Rule Assigned:				Offset Well Error:	3.00 usft		
Reference		Offset		Semi Major Axis		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	
4,800.00	4,762.53	4,739.82	4,731.03	15.00	5.38	125.63	474.19	-28.57	578.67	560.52	18.16	31.871		
4,900.00	4,861.01	4,834.34	4,825.18	15.42	5.47	127.56	473.28	-20.29	594.80	576.02	18.78	31.674		
5,000.00	4,959.49	4,925.78	4,916.09	15.84	5.57	129.47	471.85	-10.64	612.52	593.10	19.42	31.546		
5,100.00	5,057.97	5,024.89	5,014.62	16.26	5.67	131.45	470.09	-0.08	630.92	610.81	20.11	31.369		
5,200.00	5,156.46	5,122.84	5,112.02	16.69	5.78	133.30	468.04	10.03	649.57	628.76	20.81	31.213		
5,300.00	5,254.94	5,224.00	5,212.68	17.11	5.88	135.09	465.84	19.88	668.33	646.79	21.53	31.039		
5,400.00	5,353.42	5,312.93	5,301.23	17.54	5.98	136.53	464.02	27.85	687.14	664.97	22.18	30.986		
5,500.00	5,451.90	5,382.52	5,370.28	17.97	6.05	137.62	464.09	36.53	710.09	687.40	22.69	31.292		
5,600.00	5,550.38	5,479.24	5,466.15	18.40	6.16	139.05	464.53	49.24	734.48	711.09	23.39	31.399		
5,624.17	5,574.18	5,502.85	5,489.57	18.50	6.18	139.38	464.63	52.33	740.42	716.87	23.55	31.438		
5,700.00	5,648.95	5,579.15	5,565.25	18.82	6.27	140.50	465.11	61.96	758.60	734.52	24.08	31.503		
5,800.00	5,747.78	5,666.30	5,651.48	19.24	6.36	141.83	463.94	74.52	782.30	757.60	24.70	31.672		
5,900.00	5,846.87	5,768.69	5,752.72	19.65	6.48	143.27	461.72	89.66	805.01	779.60	25.42	31.673		
6,000.00	5,946.18	5,873.19	5,856.15	20.05	6.60	144.56	459.06	104.35	825.89	799.77	26.12	31.619		
6,100.00	6,045.68	5,980.31	5,962.29	20.44	6.72	145.70	456.19	118.48	844.82	818.01	26.81	31.513		
6,200.00	6,145.33	6,089.66	6,070.86	20.81	6.85	146.69	453.06	131.15	860.99	833.52	27.47	31.339		
6,300.00	6,245.12	6,195.03	6,175.60	21.17	6.97	147.50	450.05	142.23	874.92	846.85	28.07	31.167		
6,400.00	6,345.00	6,300.00	6,280.09	21.50	7.09	148.16	447.25	151.79	886.25	857.63	28.62	30.964		
6,500.00	6,444.96	6,375.00	6,354.69	21.80	7.17	148.58	445.67	159.39	897.39	868.46	28.93	31.021		
6,600.00	6,544.95	6,464.41	6,443.30	22.04	7.28	149.07	443.92	171.15	909.83	880.56	29.27	31.087		
6,624.05	6,569.00	6,495.09	6,473.74	22.06	7.31	67.83	443.29	174.99	912.49	883.12	29.37	31.069		
6,700.00	6,644.95	6,595.03	6,573.05	22.08	7.43	68.23	440.82	185.83	919.44	889.79	29.65	31.006		
6,800.00	6,744.95	6,717.18	6,694.83	22.11	7.57	68.55	438.79	195.03	925.79	895.86	29.94	30.926 SF		
6,900.00	6,844.95	6,785.46	6,762.93	22.15	7.65	68.68	438.52	199.89	932.47	902.58	29.89	31.195		
7,000.00	6,944.95	6,894.71	6,871.74	22.19	7.77	68.81	440.01	209.55	941.25	911.18	30.08	31.297		
7,100.00	7,044.95	6,961.68	6,938.39	22.22	7.84	68.86	441.50	215.77	950.73	920.72	30.01	31.681		
7,200.00	7,144.95	7,095.40	7,071.43	22.26	7.99	68.93	445.30	228.57	960.87	930.55	30.32	31.692		
7,300.00	7,244.95	7,163.87	7,139.64	22.30	8.06	68.95	446.97	234.21	969.65	939.39	30.27	32.037		
7,400.00	7,344.95	7,278.61	7,253.69	22.33	8.19	69.07	449.64	246.53	980.63	950.15	30.48	32.171		
7,500.00	7,444.95	7,375.00	7,349.63	22.37	8.29	69.08	452.68	255.21	990.17	959.59	30.58	32.379		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP													Offset Site Error: 0.00 usft
Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference													
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 Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
0.00	0.00	0.00	10.00	0.00	3.00	-35.40	522.60	-371.40	641.21				
100.00	100.00	91.03	101.03	0.77	3.00	-35.44	522.28	-371.73	641.06	636.26	4.80	133.589	
200.00	200.00	191.55	201.55	1.44	3.00	-35.55	521.45	-372.57	640.87	635.75	5.12	125.158	
300.00	300.00	292.99	302.97	1.88	3.02	-35.68	520.30	-373.60	640.54	635.12	5.43	118.046	
400.00	400.00	394.27	404.24	2.25	3.03	-35.80	518.95	-374.33	639.88	634.16	5.72	111.879	
500.00	500.00	493.96	503.92	2.56	3.05	-35.94	517.56	-375.15	639.23	633.23	6.00	106.510	
600.00	600.00	591.85	601.79	2.84	3.08	-36.07	516.27	-376.03	638.69	632.42	6.27	101.800	
644.02	644.02	634.08	644.02	2.96	3.09	-36.14	515.76	-376.60	638.62	632.23	6.39	99.971	
700.00	700.00	687.53	697.45	3.10	3.11	-36.24	515.22	-377.58	638.77	632.24	6.54	97.738	
800.00	800.00	786.09	795.99	3.34	3.14	-36.43	514.33	-379.60	639.26	632.47	6.79	94.161	
900.00	900.00	893.58	903.47	3.57	3.15	-36.42	514.50	-379.63	639.41	632.37	7.04	90.865	
1,000.00	1,000.00	991.86	1,001.72	3.79	3.14	-36.22	515.47	-377.57	638.96	631.68	7.28	87.768	
1,100.00	1,100.00	1,091.97	1,101.82	3.99	3.14	-36.06	516.32	-375.93	638.68	631.17	7.52	84.949	
1,200.00	1,200.00	1,191.27	1,201.11	4.19	3.14	-35.98	516.73	-375.15	638.55	630.80	7.75	82.377	
1,295.15	1,295.15	1,285.31	1,295.15	4.37	3.14	-35.94	516.83	-374.63	638.33	630.36	7.97	80.085	
1,300.00	1,300.00	1,289.83	1,299.67	4.38	3.14	-35.94	516.84	-374.62	638.33	630.35	7.98	79.975	
1,400.00	1,400.00	1,384.72	1,394.56	4.56	3.16	-35.96	517.13	-375.10	638.87	630.67	8.20	77.892	
1,500.00	1,500.00	1,485.15	1,494.98	4.74	3.19	-36.06	517.13	-376.55	639.72	631.30	8.42	75.958	
1,600.00	1,600.00	1,585.25	1,595.06	4.91	3.21	-35.97	518.28	-376.20	640.44	631.80	8.64	74.128	
1,700.00	1,700.00	1,683.79	1,693.57	5.08	3.22	-35.78	520.25	-374.98	641.33	632.48	8.85	72.430	
1,800.00	1,800.00	1,783.43	1,793.20	5.24	3.24	-35.68	521.74	-374.60	642.32	633.25	9.07	70.834	
1,900.00	1,900.00	1,879.28	1,889.05	5.40	3.27	-35.65	522.95	-375.09	643.65	634.37	9.28	69.360	
2,000.00	2,000.00	1,978.31	1,988.05	5.56	3.31	-35.65	524.40	-376.14	645.46	635.97	9.49	67.993	
2,100.00	2,099.98	2,106.78	2,116.36	5.79	3.34	46.36	527.13	-371.70	644.01	634.26	9.74	66.105	
2,200.00	2,199.84	2,205.36	2,214.58	6.01	3.37	47.51	529.85	-363.71	638.10	628.13	9.97	64.000	
2,300.00	2,299.45	2,324.06	2,332.65	6.26	3.41	49.38	532.53	-351.97	628.80	618.60	10.20	61.657	
2,400.00	2,398.70	2,432.40	2,439.94	6.52	3.44	51.78	533.71	-336.98	614.70	604.27	10.43	58.963	
2,499.94	2,497.41	2,518.91	2,525.75	6.80	3.48	53.97	534.03	-326.08	599.32	588.66	10.66	56.215	
2,600.00	2,595.95	2,605.59	2,612.10	7.04	3.51	55.84	534.38	-318.48	585.55	574.68	10.87	53.876	
2,700.00	2,694.43	2,698.17	2,704.42	7.29	3.56	57.82	535.37	-311.69	573.77	562.70	11.08	51.799	
2,800.00	2,792.91	2,792.98	2,799.00	7.56	3.60	59.89	536.65	-305.25	563.26	551.98	11.29	49.906	
2,900.00	2,891.39	2,887.73	2,893.54	7.84	3.66	62.01	538.27	-299.11	554.01	542.52	11.49	48.198	
3,000.00	2,989.87	2,984.79	2,990.41	8.15	3.71	64.21	540.02	-293.32	545.87	534.17	11.70	46.659	
3,100.00	3,088.35	3,083.92	3,089.37	8.46	3.77	66.47	541.58	-287.73	538.44	526.54	11.90	45.255	
3,200.00	3,186.83	3,180.65	3,185.97	8.79	3.84	68.65	542.98	-283.01	531.93	519.84	12.09	43.986	
3,300.00	3,285.31	3,278.84	3,284.07	9.13	3.90	70.85	544.07	-278.78	526.04	513.76	12.28	42.825	
3,400.00	3,383.80	3,375.73	3,380.87	9.48	3.97	73.06	545.25	-274.74	521.09	508.62	12.47	41.788	
3,500.00	3,482.28	3,474.78	3,479.83	9.84	4.04	75.31	546.24	-270.93	516.79	504.14	12.65	40.846	
3,600.00	3,580.76	3,573.19	3,578.20	10.21	4.12	77.51	547.06	-267.83	513.20	500.36	12.84	39.983	
3,700.00	3,679.24	3,671.70	3,676.67	10.58	4.20	79.67	547.74	-265.28	510.28	497.26	13.02	39.189	
3,800.00	3,777.72	3,769.21	3,774.15	10.96	4.28	81.81	548.56	-262.91	508.26	495.05	13.21	38.473	
3,900.00	3,876.20	3,865.42	3,870.32	11.35	4.36	83.94	549.35	-260.59	506.97	493.57	13.41	37.814	
3,986.01	3,960.90	3,949.67	3,954.55	11.68	4.43	85.80	550.31	-258.63	506.73	493.14	13.59	37.301 CC	
4,000.00	3,974.68	3,963.39	3,968.26	11.74	4.44	86.10	550.46	-258.34	506.73	493.12	13.61	37.219 ES	
4,100.00	4,073.16	4,061.94	4,066.79	12.13	4.53	88.24	551.49	-256.35	507.13	493.30	13.84	36.651	
4,200.00	4,171.64	4,161.27	4,166.10	12.53	4.62	90.34	552.46	-254.76	508.11	494.04	14.08	36.097	
4,300.00	4,270.13	4,261.70	4,266.52	12.93	4.71	92.39	553.14	-253.84	509.38	495.04	14.34	35.528	
4,400.00	4,368.61	4,363.00	4,367.82	13.34	4.80	94.40	553.50	-253.47	510.85	496.23	14.62	34.946	
4,500.00	4,467.09	4,460.93	4,465.75	13.75	4.88	96.31	553.49	-253.35	512.53	497.62	14.91	34.382	
4,600.00	4,565.57	4,558.28	4,563.10	14.16	4.95	98.18	553.73	-253.24	515.03	499.79	15.23	33.806	
4,700.00	4,664.05	4,661.13	4,665.95	14.58	4.97	100.08	554.01	-253.67	517.95	502.38	15.57	33.262	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP													Offset Site Error:	0.00 usft
Survey Program:		100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR							Rule Assigned:				Offset Well Error:	3.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
4,800.00	4,762.53	4,758.37	4,763.18	15.00	4.97	101.86	553.94	-254.20	521.06	505.14	15.91	32.742		
4,900.00	4,861.01	4,859.66	4,864.48	15.42	4.98	103.67	553.95	-254.92	524.69	508.40	16.29	32.213		
5,000.00	4,959.49	4,957.06	4,961.87	15.84	4.98	105.39	553.74	-255.66	528.60	511.93	16.67	31.701		
5,100.00	5,057.97	5,059.64	5,064.44	16.26	4.99	107.15	553.34	-256.72	532.74	515.64	17.09	31.165		
5,200.00	5,156.46	5,157.70	5,162.50	16.69	4.99	108.81	552.68	-257.84	537.04	519.52	17.53	30.637		
5,300.00	5,254.94	5,250.00	5,254.79	17.11	5.00	110.37	552.02	-258.73	541.89	523.91	17.98	30.145		
5,400.00	5,353.42	5,334.85	5,339.61	17.54	5.07	111.94	552.74	-256.93	549.98	531.51	18.47	29.784		
5,500.00	5,451.90	5,430.93	5,435.64	17.97	5.16	113.70	554.10	-254.15	559.55	540.53	19.03	29.411		
5,600.00	5,550.38	5,521.64	5,526.28	18.40	5.24	115.33	555.64	-251.17	570.15	550.56	19.59	29.108		
5,624.17	5,574.18	5,544.54	5,549.16	18.50	5.26	115.74	556.16	-250.20	573.03	553.32	19.72	29.061		
5,700.00	5,648.95	5,616.89	5,621.42	18.82	5.33	117.06	557.92	-247.07	582.17	562.01	20.16	28.882		
5,800.00	5,747.78	5,718.41	5,722.82	19.24	5.42	118.69	560.44	-242.70	593.94	573.18	20.77	28.603		
5,900.00	5,846.87	5,817.92	5,822.23	19.65	5.52	120.10	562.34	-238.58	604.68	583.34	21.34	28.331		
6,000.00	5,946.18	5,923.38	5,927.60	20.05	5.62	121.38	563.97	-234.66	614.30	592.37	21.92	28.020		
6,100.00	6,045.68	6,025.12	6,029.27	20.44	5.72	122.43	564.87	-231.33	622.41	599.95	22.46	27.717		
6,200.00	6,145.33	6,127.83	6,131.95	20.81	5.82	123.29	565.50	-228.56	629.15	606.20	22.96	27.408		
6,300.00	6,245.12	6,228.31	6,232.40	21.17	5.92	123.97	565.91	-226.13	634.70	611.30	23.40	27.119		
6,400.00	6,345.00	6,328.92	6,332.99	21.50	6.02	124.46	566.54	-224.19	639.16	615.36	23.81	26.849		
6,500.00	6,444.96	6,430.04	6,434.09	21.80	6.12	124.77	567.50	-222.41	642.79	618.64	24.16	26.609		
6,600.00	6,544.95	6,525.00	6,529.03	22.04	6.22	124.86	569.01	-221.39	645.43	621.04	24.39	26.458		
6,624.05	6,569.00	6,544.94	6,548.96	22.06	6.24	124.86	569.42	-221.08	646.09	621.68	24.40	26.475		
6,700.00	6,644.95	6,616.67	6,620.64	22.08	6.31	124.86	571.29	-219.21	648.88	624.41	24.46	26.525		
6,800.00	6,744.95	6,717.42	6,721.32	22.11	6.41	124.86	574.11	-216.64	652.66	628.08	24.59	26.546		
6,900.00	6,844.95	6,821.32	6,825.16	22.15	6.52	124.86	576.91	-214.50	656.04	631.32	24.72	26.538		
7,000.00	6,944.95	6,916.07	6,919.86	22.19	6.62	124.86	579.36	-212.55	659.33	634.52	24.81	26.572		
7,100.00	7,044.95	7,005.57	7,009.26	22.22	6.71	124.86	582.37	-209.47	664.12	639.23	24.89	26.682		
7,200.00	7,144.95	7,111.24	7,114.80	22.26	6.82	124.86	586.31	-206.32	668.87	643.83	25.04	26.716		
7,300.00	7,244.95	7,213.32	7,216.79	22.30	6.93	124.86	590.03	-204.09	673.01	647.86	25.16	26.754		
7,400.00	7,344.95	7,311.95	7,315.31	22.33	7.03	124.86	594.23	-202.15	677.46	652.21	25.25	26.830		
7,500.00	7,444.95	7,409.08	7,412.34	22.37	7.13	124.86	598.03	-199.96	681.86	656.52	25.35	26.900		
7,600.00	7,544.95	7,510.96	7,514.11	22.41	7.24	124.86	601.43	-196.55	686.58	661.09	25.49	26.934		
7,700.00	7,644.95	7,618.46	7,621.52	22.44	7.36	124.86	604.70	-193.90	690.49	664.84	25.65	26.919		
7,800.00	7,744.95	7,713.82	7,716.81	22.48	7.46	124.86	606.09	-190.60	693.94	668.15	25.79	26.911		
7,900.00	7,844.95	7,822.38	7,825.17	22.52	7.57	124.86	605.75	-184.12	697.85	671.83	26.03	26.812		
8,000.00	7,944.95	7,931.04	7,933.67	22.56	7.67	124.86	603.75	-178.74	699.95	673.69	26.26	26.650		
8,100.00	8,044.95	8,040.37	8,042.84	22.60	7.75	124.86	600.45	-173.73	700.99	674.49	26.51	26.446		
8,200.00	8,144.95	8,147.40	8,149.67	22.64	7.82	124.86	595.70	-169.27	700.78	674.04	26.74	26.205		
8,292.55	8,237.49	8,235.36	8,237.49	22.67	7.87	124.86	591.75	-166.14	700.21	673.32	26.90	26.033		
8,300.00	8,244.95	8,240.56	8,242.68	22.67	7.88	124.86	591.56	-165.94	700.23	673.32	26.90	26.030		
8,400.00	8,344.95	8,326.52	8,328.55	22.71	7.96	124.86	590.11	-162.20	702.07	675.05	27.02	25.983		
8,500.00	8,444.95	8,423.99	8,425.94	22.75	8.05	124.86	589.41	-158.39	704.38	677.20	27.18	25.912		
8,600.00	8,544.95	8,521.84	8,523.72	22.79	8.16	124.86	589.61	-154.83	707.16	679.82	27.34	25.865		
8,700.00	8,644.95	8,622.12	8,623.87	22.83	8.27	124.86	590.14	-149.87	711.11	683.59	27.52	25.839		
8,800.00	8,744.95	8,722.08	8,723.71	22.87	8.36	124.86	589.20	-145.03	713.98	686.28	27.70	25.774		
8,900.00	8,844.95	8,810.53	8,812.04	22.91	8.42	124.86	589.33	-140.56	717.77	689.97	27.80	25.815		
9,000.00	8,944.95	8,927.97	8,929.38	22.95	8.45	124.86	589.95	-135.84	721.07	693.08	27.99	25.762		
9,100.00	9,044.95	9,041.18	9,042.57	22.99	8.49	124.86	589.33	-133.37	722.31	694.14	28.16	25.647		
9,200.00	9,144.95	9,249.33	9,244.92	23.04	8.61	50.31	553.08	-120.45	715.21	685.84	29.36	24.356		
9,300.00	9,244.95	9,596.64	9,517.76	23.08	9.14	66.95	346.59	-87.76	684.48	650.71	33.77	20.269		
9,400.00	9,344.95	9,660.27	9,557.98	23.12	9.29	71.26	297.34	-86.24	647.64	613.38	34.27	18.900		
9,500.00	9,444.95	9,696.00	9,578.73	23.16	9.38	73.93	268.38	-83.55	620.11	585.78	34.33	18.064		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 702H - OWB - AWP												Offset Site Error:	0.00 usft
Survey Program: 100-Standard Keeper 104, 8694-r.5 MWD+IFR1+FDIR												Offset Well Error:	3.00 usft
Reference												Rule Assigned:	
Offset												Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,600.00	9,544.95	9,733.92	9,598.93	23.20	9.49	76.96	236.66	-78.79	604.55	570.18	34.38	17.586	
9,683.05	9,628.00	9,799.52	9,629.14	23.24	9.71	82.50	179.21	-69.45	601.09	566.28	34.81	17.269 SF	
9,700.00	9,644.95	9,804.97	9,631.31	23.24	9.74	82.98	174.26	-68.76	601.30	566.51	34.79	17.284	
9,800.00	9,744.95	9,847.06	9,646.24	23.29	9.89	86.72	135.22	-63.95	610.47	575.70	34.77	17.557	
9,900.00	9,844.95	9,880.31	9,655.74	23.33	10.03	89.74	103.52	-60.78	633.54	598.83	34.71	18.254	
10,000.00	9,944.95	9,904.58	9,661.67	23.37	10.13	91.96	80.07	-58.84	669.77	635.07	34.70	19.299	
10,100.00	10,044.95	9,925.44	9,666.40	23.41	10.21	93.86	59.81	-57.30	717.47	682.63	34.83	20.597	
10,200.00	10,144.95	9,932.00	9,667.83	23.46	10.24	94.45	53.42	-56.84	774.75	739.68	35.07	22.094	
10,300.00	10,244.95	9,950.51	9,671.51	23.50	10.32	96.13	35.32	-55.57	839.64	804.22	35.43	23.701	
10,329.59	10,274.54	9,953.30	9,672.02	23.50	10.33	96.38	32.59	-55.38	860.12	824.81	35.30	24.365	
10,350.00	10,294.94	9,954.93	9,672.31	23.50	10.34	94.15	30.99	-55.27	874.56	839.18	35.38	24.719	
10,375.00	10,319.88	9,956.28	9,672.55	23.51	10.35	91.15	29.66	-55.18	892.62	857.14	35.48	25.158	
10,400.00	10,344.69	9,956.95	9,672.67	23.51	10.35	87.95	29.01	-55.13	911.03	875.45	35.58	25.605	
10,425.00	10,369.31	9,956.97	9,672.67	23.51	10.35	84.58	28.98	-55.13	929.71	894.03	35.68	26.056	
10,450.00	10,393.67	9,956.39	9,672.57	23.51	10.35	81.09	29.56	-55.17	948.60	912.82	35.78	26.511	
10,475.00	10,417.71	9,955.23	9,672.37	23.52	10.34	77.52	30.69	-55.25	967.64	931.76	35.88	26.968	
10,500.00	10,441.35	9,953.54	9,672.06	23.52	10.34	73.92	32.36	-55.37	986.76	950.78	35.98	27.427	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	11.00	0.00	3.00	-37.54	522.40	-401.40	658.90				
100.00	100.00	93.02	104.01	0.77	3.00	-37.58	521.87	-401.63	658.53	653.73	4.80	137.230	
200.00	200.00	193.85	204.84	1.44	3.00	-37.70	520.33	-402.20	657.67	652.55	5.12	128.412	
300.00	300.00	293.24	304.22	1.88	3.02	-37.81	519.01	-402.77	656.97	651.54	5.43	121.012	
400.00	400.00	394.36	405.32	2.25	3.03	-37.93	517.61	-403.46	656.30	650.57	5.72	114.666	
500.00	500.00	497.73	508.67	2.56	3.05	-38.06	515.74	-403.83	655.09	649.08	6.01	109.012	
600.00	600.00	597.55	608.47	2.84	3.08	-38.18	513.84	-404.10	653.76	647.47	6.29	103.986	
700.00	700.00	690.12	701.03	3.10	3.11	-38.31	512.34	-404.77	652.94	646.39	6.55	99.636	
706.43	706.43	695.52	706.43	3.12	3.11	-38.32	512.27	-404.85	652.93	646.37	6.57	99.392	
800.00	800.00	781.79	792.68	3.34	3.14	-38.48	511.46	-406.57	653.41	646.60	6.80	96.034	
900.00	900.00	876.01	886.85	3.57	3.16	-38.69	511.32	-409.54	655.25	648.20	7.04	93.016	
1,000.00	1,000.00	977.42	988.20	3.79	3.19	-38.96	510.83	-413.12	657.08	649.80	7.28	90.226	
1,100.00	1,100.00	1,077.28	1,087.98	3.99	3.23	-39.28	509.97	-417.13	658.95	651.43	7.52	87.663	
1,200.00	1,200.00	1,175.98	1,186.57	4.19	3.28	-39.64	508.82	-421.47	660.85	653.10	7.75	85.300	
1,300.00	1,300.00	1,275.49	1,285.96	4.38	3.32	-40.01	507.60	-426.15	662.92	654.95	7.97	83.129	
1,400.00	1,400.00	1,383.41	1,393.77	4.56	3.38	-40.38	506.29	-430.64	664.69	656.49	8.20	81.049	
1,500.00	1,500.00	1,480.70	1,491.03	4.74	3.44	-40.61	505.31	-433.30	665.70	657.28	8.42	79.045	
1,600.00	1,600.00	1,578.62	1,588.90	4.91	3.50	-40.84	504.77	-436.30	667.29	658.65	8.64	77.231	
1,700.00	1,700.00	1,682.82	1,693.07	5.08	3.54	-40.94	505.10	-438.19	668.72	659.86	8.86	75.482	
1,800.00	1,800.00	1,781.28	1,791.52	5.24	3.56	-40.92	506.12	-438.70	669.84	660.77	9.08	73.800	
1,900.00	1,900.00	1,875.49	1,885.73	5.40	3.60	-40.95	507.05	-440.04	671.52	662.23	9.29	72.273	
2,000.00	2,000.00	1,976.33	1,986.53	5.56	3.66	-41.05	507.96	-442.30	673.67	664.16	9.51	70.852	
2,100.00	2,099.98	2,090.23	2,100.43	5.79	3.70	-40.43	508.58	-443.23	673.29	663.51	9.77	68.884	
2,200.00	2,199.84	2,193.09	2,203.27	6.01	3.68	-40.90	509.23	-442.04	669.04	659.02	10.02	66.802	
2,300.00	2,299.45	2,308.85	2,318.98	6.26	3.66	-41.83	509.62	-438.67	660.88	650.62	10.26	64.401	
2,400.00	2,398.70	2,423.56	2,433.46	6.52	3.66	-43.28	508.91	-431.66	647.50	636.99	10.51	61.599	
2,499.94	2,497.41	2,508.28	2,517.97	6.80	3.66	-44.71	508.20	-425.76	631.34	620.57	10.78	58.579	
2,600.00	2,595.95	2,587.47	2,597.14	7.04	3.66	-45.75	508.35	-424.13	617.80	606.79	11.01	56.108	
2,700.00	2,694.43	2,685.68	2,695.35	7.29	3.66	-47.01	508.86	-423.18	605.58	594.33	11.25	53.810	
2,800.00	2,792.91	2,784.30	2,793.96	7.56	3.67	-48.32	509.32	-422.29	593.68	582.17	11.51	51.600	
2,900.00	2,891.39	2,880.86	2,890.52	7.84	3.68	-49.64	509.64	-421.58	582.06	570.30	11.76	49.486	
3,000.00	2,989.87	2,979.66	2,989.32	8.15	3.69	-51.04	510.15	-420.93	570.98	558.96	12.02	47.498	
3,100.00	3,088.35	3,077.90	3,087.55	8.46	3.71	-52.49	510.66	-420.30	560.26	547.98	12.28	45.627	
3,200.00	3,186.83	3,176.31	3,185.96	8.79	3.74	-53.98	511.22	-419.79	550.01	537.48	12.53	43.879	
3,300.00	3,285.31	3,274.06	3,283.71	9.13	3.77	-55.51	511.71	-419.33	540.13	527.34	12.79	42.244	
3,400.00	3,383.80	3,372.17	3,381.81	9.48	3.80	-57.09	512.16	-418.97	530.65	517.62	13.03	40.725	
3,500.00	3,482.28	3,471.34	3,480.98	9.84	3.84	-58.76	512.67	-418.51	521.61	508.35	13.26	39.324	
3,600.00	3,580.76	3,569.52	3,579.16	10.21	3.88	-60.43	512.99	-418.23	512.92	499.43	13.49	38.020	
3,700.00	3,679.24	3,668.16	3,677.80	10.58	3.93	-62.15	513.31	-418.16	504.76	491.05	13.71	36.820	
3,800.00	3,777.72	3,765.74	3,775.38	10.96	3.99	-63.88	513.64	-418.28	497.15	483.23	13.92	35.716	
3,900.00	3,876.20	3,862.96	3,872.59	11.35	4.04	-65.63	514.13	-418.66	490.25	476.13	14.12	34.717	
4,000.00	3,974.68	3,960.25	3,969.89	11.74	4.10	-67.41	514.85	-419.30	484.14	469.82	14.31	33.823	
4,100.00	4,073.16	4,059.10	4,068.72	12.13	4.17	-69.24	515.71	-420.06	478.68	464.18	14.50	33.023	
4,200.00	4,171.64	4,157.75	4,167.37	12.53	4.23	-71.08	516.31	-421.08	473.51	458.84	14.67	32.283	
4,300.00	4,270.13	4,257.29	4,266.90	12.93	4.30	-72.94	516.87	-422.40	468.87	454.03	14.83	31.611	
4,400.00	4,368.61	4,357.15	4,366.75	13.34	4.37	-74.83	517.18	-423.72	464.46	449.48	14.99	30.988	
4,500.00	4,467.09	4,456.71	4,466.31	13.75	4.44	-76.79	517.45	-424.73	460.52	445.38	15.14	30.419	
4,600.00	4,565.57	4,556.46	4,566.04	14.16	4.51	-78.75	517.34	-425.96	456.76	441.48	15.29	29.880	
4,700.00	4,664.05	4,650.00	4,659.57	14.58	4.58	-80.55	517.24	-427.66	453.58	438.14	15.44	29.368	
4,800.00	4,762.53	4,745.55	4,755.01	15.00	4.65	-82.11	518.77	-431.83	452.54	436.92	15.62	28.964	
4,900.00	4,861.01	4,845.73	4,855.07	15.42	4.73	-83.72	520.41	-436.34	451.90	436.10	15.81	28.588	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		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)			
5,000.00	4,959.49	4,945.10	4,954.35	15.84	4.82	85.34	521.92	-440.70	451.52	435.52	16.00	28.222	
5,100.00	5,057.97	5,047.94	5,057.07	16.26	4.90	87.00	522.91	-445.45	450.92	434.72	16.20	27.836	
5,200.00	5,156.46	5,148.09	5,157.11	16.69	4.99	88.62	523.44	-450.14	450.25	433.84	16.41	27.433	
5,300.00	5,254.94	5,249.31	5,258.22	17.11	5.07	90.28	523.60	-454.69	449.61	432.96	16.64	27.017	
5,400.00	5,353.42	5,349.37	5,358.20	17.54	5.16	91.99	523.33	-458.85	448.97	432.09	16.89	26.584	
5,500.00	5,451.90	5,449.50	5,458.25	17.97	5.25	93.74	522.88	-462.70	448.64	431.48	17.16	26.143	
5,515.00	5,466.67	5,463.34	5,472.08	18.04	5.26	93.98	522.81	-463.23	448.62	431.41	17.20	26.077	
5,600.00	5,550.38	5,548.02	5,556.70	18.40	5.33	95.47	522.43	-466.46	448.72	431.26	17.46	25.700	
5,624.17	5,574.18	5,572.70	5,581.36	18.50	5.35	95.91	522.28	-467.36	448.77	431.25	17.52	25.612	
5,700.00	5,648.95	5,648.82	5,657.43	18.82	5.42	97.22	521.66	-470.05	448.93	431.17	17.76	25.284	
5,800.00	5,747.78	5,748.77	5,757.31	19.24	5.51	98.75	520.63	-473.53	449.06	430.97	18.09	24.824	
5,900.00	5,846.87	5,850.03	5,858.51	19.65	5.59	100.11	519.32	-476.96	448.99	430.57	18.43	24.367	
6,000.00	5,946.18	5,949.87	5,958.28	20.05	5.68	101.26	517.78	-480.13	448.66	429.91	18.76	23.922	
6,100.00	6,045.68	6,049.79	6,058.14	20.44	5.76	102.21	516.12	-483.20	448.07	429.00	19.07	23.494	
6,200.00	6,145.33	6,150.00	6,158.29	20.81	5.85	102.95	514.31	-486.26	447.08	427.71	19.37	23.083	
6,300.00	6,245.12	6,248.57	6,256.81	21.17	5.93	103.49	512.48	-489.10	445.78	426.15	19.64	22.702	
6,400.00	6,345.00	6,348.71	6,356.89	21.50	6.02	103.84	510.61	-491.86	444.14	424.26	19.88	22.344	
6,500.00	6,444.96	6,444.18	6,452.27	21.80	6.12	103.72	510.29	-495.87	442.94	422.91	20.03	22.110	
6,600.00	6,544.95	6,544.36	6,552.36	22.04	6.22	103.36	510.29	-500.13	441.63	421.48	20.15	21.915	
6,624.05	6,569.00	6,568.48	6,576.46	22.06	6.24	103.86	510.26	-501.15	441.24	421.08	20.16	21.890	
6,700.00	6,644.95	6,646.61	6,654.52	22.08	6.33	104.47	509.99	-504.44	439.82	419.62	20.19	21.783	
6,798.90	6,743.84	6,736.02	6,743.85	22.11	6.42	104.03	509.68	-508.19	438.06	417.83	20.23	21.658	
6,800.00	6,744.95	6,736.75	6,744.57	22.11	6.42	104.03	509.69	-508.22	438.06	417.83	20.23	21.658	
6,900.00	6,844.95	6,828.66	6,836.28	22.15	6.51	104.25	513.44	-513.18	439.91	419.68	20.23	21.744	
7,000.00	6,944.95	6,933.94	6,941.34	22.19	6.62	104.39	517.12	-518.83	441.38	421.11	20.27	21.774	
7,100.00	7,044.95	7,038.46	7,045.68	22.22	6.73	104.61	519.46	-524.46	441.74	421.42	20.32	21.736	
7,200.00	7,144.95	7,142.14	7,149.15	22.26	6.84	104.76	520.74	-530.90	440.97	420.59	20.38	21.643	
7,300.00	7,244.95	7,244.12	7,250.88	22.30	6.95	104.83	521.91	-538.04	439.99	419.56	20.42	21.542	
7,400.00	7,344.95	7,346.86	7,353.38	22.33	7.06	104.94	522.05	-545.06	438.18	417.70	20.49	21.388	
7,500.00	7,444.95	7,446.60	7,452.91	22.37	7.17	105.13	521.99	-551.55	436.38	415.82	20.56	21.227	
7,600.00	7,544.95	7,544.02	7,550.17	22.41	7.28	105.43	521.88	-557.04	434.83	414.19	20.64	21.069	
7,635.00	7,579.95	7,575.00	7,581.10	22.42	7.31	105.41	522.06	-558.69	434.57	413.91	20.67	21.029	
7,700.00	7,644.95	7,622.88	7,628.89	22.44	7.36	105.86	523.76	-561.04	435.94	415.22	20.72	21.044	
7,800.00	7,744.95	7,722.64	7,728.45	22.48	7.46	106.13	528.56	-565.12	439.67	418.85	20.81	21.124	
7,900.00	7,844.95	7,819.85	7,825.48	22.52	7.55	106.65	533.49	-568.31	443.88	422.96	20.92	21.216	
8,000.00	7,944.95	7,922.55	7,928.01	22.56	7.65	107.14	538.51	-571.27	448.04	427.00	21.03	21.300	
8,100.00	8,044.95	8,024.33	8,029.68	22.60	7.74	107.72	542.64	-573.75	451.51	430.35	21.15	21.346	
8,200.00	8,144.95	8,127.66	8,132.90	22.64	7.85	108.28	546.51	-576.53	454.64	433.37	21.27	21.373	
8,300.00	8,244.95	8,231.24	8,236.41	22.67	7.95	108.88	549.31	-579.20	456.80	435.40	21.40	21.350	
8,400.00	8,344.95	8,333.19	8,338.31	22.71	8.07	109.53	551.30	-581.67	458.26	436.74	21.52	21.294	
8,500.00	8,444.95	8,432.42	8,437.50	22.75	8.17	110.22	553.26	-583.85	459.81	438.16	21.65	21.238	
8,600.00	8,544.95	8,534.57	8,539.60	22.79	8.29	110.91	555.22	-585.97	461.34	439.56	21.78	21.182	
8,700.00	8,644.95	8,642.31	8,647.32	22.83	8.41	111.64	555.87	-588.11	461.59	439.68	21.91	21.068	
8,800.00	8,744.95	8,744.45	8,749.45	22.87	8.52	112.45	555.33	-589.73	460.81	438.77	22.04	20.911	
8,900.00	8,844.95	8,846.81	8,851.78	22.91	8.62	113.34	554.46	-591.63	459.67	437.51	22.16	20.740	
9,000.00	8,944.95	8,947.15	8,952.10	22.95	8.72	114.33	553.43	-593.87	458.31	436.02	22.29	20.560	
9,100.00	9,044.95	9,048.49	9,053.39	22.99	8.80	115.43	552.06	-596.49	456.57	434.15	22.41	20.370	
9,200.00	9,144.95	9,149.51	9,154.36	23.04	8.85	116.64	550.49	-599.39	454.61	432.08	22.53	20.180	
9,300.00	9,244.95	9,247.30	9,252.50	23.08	9.16	117.95	392.21	-690.63	402.54	373.98	28.56	14.092	
9,400.00	9,344.95	9,357.84	9,375.37	23.12	9.32	119.38	335.26	-719.44	333.15	303.86	29.28	11.377	
9,500.00	9,444.95	9,472.46	9,517.67	23.16	9.47	120.94	288.16	-740.20	265.58	235.87	29.71	8.939	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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					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	Warning	
9,600.00	9,544.95	9,787.99	9,659.30	23.20	9.63	-32.88	243.46	-757.62	204.78	174.33	30.44	6.726		
9,700.00	9,644.95	9,865.01	9,709.79	23.24	9.85	-51.71	188.45	-776.42	155.60	122.75	32.85	4.737		
9,800.00	9,744.95	9,929.03	9,747.12	23.29	10.07	-73.27	138.56	-791.02	131.19	95.52	35.68	3.677		
9,804.45	9,749.40	9,931.35	9,748.38	23.29	10.07	-74.13	136.68	-791.57	131.18	95.40	35.77	3.667 CC, ES, SF		
9,900.00	9,844.95	9,974.07	9,769.86	23.33	10.23	-89.79	101.30	-802.09	155.95	119.08	36.88	4.229		
10,000.00	9,944.95	10,007.19	9,784.34	23.37	10.37	-100.84	72.91	-811.09	218.62	181.52	37.11	5.892		
10,100.00	10,044.95	10,032.24	9,793.95	23.41	10.47	-108.05	50.96	-818.37	298.13	260.76	37.37	7.977		
10,200.00	10,144.95	10,051.01	9,800.20	23.46	10.55	-112.80	34.16	-823.91	385.25	347.52	37.73	10.210		
10,300.00	10,244.95	10,063.00	9,803.76	23.50	10.61	-115.56	23.27	-827.47	476.37	438.22	38.15	12.488		
10,329.59	10,274.54	10,063.00	9,803.76	23.50	10.61	-115.56	23.27	-827.47	503.90	465.44	38.46	13.103		
10,350.00	10,294.94	10,063.00	9,803.76	23.50	10.61	-109.28	23.27	-827.47	523.07	484.53	38.55	13.570		
10,375.00	10,319.88	10,063.00	9,803.76	23.51	10.61	-100.52	23.27	-827.47	546.81	508.17	38.64	14.151		
10,400.00	10,344.69	10,063.00	9,803.76	23.51	10.61	-90.76	23.27	-827.47	570.72	532.00	38.72	14.739		
10,425.00	10,369.31	10,077.26	9,807.56	23.51	10.67	-85.34	10.18	-831.66	594.34	555.66	38.68	15.366		
10,450.00	10,393.67	10,077.67	9,807.66	23.51	10.67	-75.30	9.81	-831.78	618.34	579.61	38.73	15.964		
10,475.00	10,417.71	10,077.52	9,807.62	23.52	10.67	-65.60	9.94	-831.74	642.34	603.56	38.78	16.562		
10,500.00	10,441.35	10,063.00	9,803.76	23.52	10.61	-53.02	23.27	-827.47	666.61	627.69	38.92	17.128		
10,525.00	10,464.54	10,063.00	9,803.76	23.52	10.61	-46.14	23.27	-827.47	690.33	651.39	38.94	17.727		
10,550.00	10,487.20	10,063.00	9,803.76	23.52	10.61	-40.42	23.27	-827.47	713.86	674.91	38.96	18.325		
10,575.00	10,509.28	10,063.00	9,803.76	23.53	10.61	-35.68	23.27	-827.47	737.15	698.19	38.96	18.920		
10,600.00	10,530.72	10,063.00	9,803.76	23.53	10.61	-31.77	23.27	-827.47	760.16	721.20	38.96	19.513		
10,625.00	10,551.46	10,063.00	9,803.76	23.53	10.61	-28.51	23.27	-827.47	782.85	743.91	38.94	20.104		
10,650.00	10,571.43	10,063.00	9,803.76	23.54	10.61	-25.78	23.27	-827.47	805.19	766.28	38.92	20.690		
10,675.00	10,590.60	10,063.00	9,803.76	23.54	10.61	-23.48	23.27	-827.47	827.16	788.28	38.88	21.274		
10,700.00	10,608.89	10,063.00	9,803.76	23.55	10.61	-21.53	23.27	-827.47	848.72	809.88	38.84	21.854		
10,725.00	10,626.27	10,063.00	9,803.76	23.56	10.61	-19.85	23.27	-827.47	869.84	831.06	38.78	22.429		
10,750.00	10,642.69	10,063.00	9,803.76	23.57	10.61	-18.41	23.27	-827.47	890.50	851.79	38.72	23.001		
10,775.00	10,658.10	10,046.48	9,798.77	23.58	10.53	-16.29	38.24	-822.57	910.19	871.44	38.75	23.488		
10,800.00	10,672.45	10,042.33	9,797.41	23.59	10.52	-15.08	41.97	-821.34	929.59	890.90	38.70	24.023		
10,825.00	10,685.72	10,037.99	9,795.95	23.60	10.50	-14.03	45.84	-820.06	948.40	909.77	38.63	24.550		
10,850.00	10,697.86	10,033.50	9,794.39	23.61	10.48	-13.11	49.84	-818.74	966.58	928.02	38.56	25.068		
10,875.00	10,708.84	10,016.00	9,787.87	23.63	10.40	-11.84	65.25	-813.62	984.40	945.83	38.56	25.527		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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													
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	13.50	0.00	3.00	-25.27	722.80	-341.20	799.40				
100.00	100.00	86.50	100.00	0.77	3.00	-25.27	722.80	-341.20	799.29	794.49	4.80	166.555	
200.00	200.00	186.50	200.00	1.44	3.00	-25.27	722.80	-341.20	799.29	794.16	5.12	156.003	
300.00	300.00	286.50	300.00	1.88	3.01	-25.27	722.80	-341.20	799.29	793.85	5.44	147.047	
400.00	400.00	386.50	400.00	2.25	3.03	-25.27	722.80	-341.20	799.29	793.55	5.74	139.317	
500.00	500.00	486.50	500.00	2.56	3.05	-25.27	722.80	-341.20	799.29	793.26	6.03	132.551	
600.00	600.00	586.50	600.00	2.84	3.08	-25.27	722.80	-341.20	799.29	792.97	6.32	126.561	
700.00	700.00	686.50	700.00	3.10	3.11	-25.27	722.80	-341.20	799.29	792.69	6.59	121.206	
800.00	800.00	786.50	800.00	3.34	3.15	-25.27	722.80	-341.20	799.29	792.42	6.87	116.380	
900.00	900.00	886.50	900.00	3.57	3.19	-25.27	722.80	-341.20	799.29	792.15	7.14	112.000	
1,000.00	1,000.00	986.50	1,000.00	3.79	3.24	-25.27	722.80	-341.20	799.29	791.88	7.40	108.001	
1,100.00	1,100.00	1,086.50	1,100.00	3.99	3.29	-25.27	722.80	-341.20	799.29	791.62	7.66	104.329	
1,200.00	1,200.00	1,186.50	1,200.00	4.19	3.35	-25.27	722.80	-341.20	799.29	791.37	7.92	100.942	
1,300.00	1,300.00	1,286.50	1,300.00	4.38	3.41	-25.27	722.80	-341.20	799.29	791.11	8.17	97.806	
1,400.00	1,400.00	1,386.50	1,400.00	4.56	3.47	-25.27	722.80	-341.20	799.29	790.86	8.42	94.889	
1,500.00	1,500.00	1,486.50	1,500.00	4.74	3.54	-25.27	722.80	-341.20	799.29	790.61	8.67	92.169	
1,600.00	1,600.00	1,586.50	1,600.00	4.91	3.61	-25.27	722.80	-341.20	799.29	790.37	8.92	89.623	
1,700.00	1,700.00	1,686.50	1,700.00	5.08	3.69	-25.27	722.80	-341.20	799.29	790.12	9.16	87.235	
1,800.00	1,800.00	1,786.50	1,800.00	5.24	3.76	-25.27	722.80	-341.20	799.29	789.88	9.40	84.987	
1,900.00	1,900.00	1,886.50	1,900.00	5.40	3.84	-25.27	722.80	-341.20	799.29	789.64	9.65	82.868	
2,000.00	2,000.00	1,986.50	2,000.00	5.56	3.93	-25.27	722.80	-341.20	799.29	789.40	9.88	80.866	
2,100.00	2,099.98	2,086.48	2,099.98	5.79	4.01	56.24	722.80	-341.20	798.31	788.17	10.14	78.726	
2,200.00	2,199.84	2,186.34	2,199.84	6.01	4.10	56.60	722.80	-341.20	795.42	785.03	10.39	76.573	
2,300.00	2,299.45	2,285.95	2,299.45	6.26	4.19	57.20	722.80	-341.20	790.64	780.00	10.64	74.296	
2,400.00	2,398.70	2,385.20	2,398.70	6.52	4.29	58.06	722.80	-341.20	784.08	773.18	10.90	71.913	
2,499.94	2,497.41	2,483.91	2,497.41	6.80	4.38	59.17	722.80	-341.20	775.87	764.70	11.17	69.452	
2,600.00	2,595.95	2,591.38	2,604.87	7.04	4.45	60.48	722.80	-339.74	766.53	755.13	11.40	67.249	
2,700.00	2,694.43	2,698.96	2,712.30	7.29	4.49	62.09	722.80	-334.29	756.28	744.70	11.59	65.258	
2,800.00	2,792.91	2,800.16	2,813.15	7.56	4.52	63.89	722.80	-325.93	745.58	733.80	11.78	63.280	
2,900.00	2,891.39	2,896.77	2,909.40	7.84	4.56	65.69	722.80	-317.51	735.49	723.51	11.98	61.398	
3,000.00	2,989.87	2,993.38	3,005.64	8.15	4.60	67.53	722.80	-309.09	726.17	714.00	12.18	59.637	
3,100.00	3,088.35	3,089.99	3,101.88	8.46	4.64	69.41	722.80	-300.67	717.67	705.29	12.37	58.001	
3,200.00	3,186.83	3,186.60	3,198.12	8.79	4.69	71.33	722.80	-292.25	709.99	697.43	12.57	56.487	
3,300.00	3,285.31	3,283.21	3,294.37	9.13	4.74	73.29	722.80	-283.83	703.19	690.42	12.76	55.094	
3,400.00	3,383.80	3,379.82	3,390.61	9.48	4.79	75.29	722.80	-275.41	697.27	684.31	12.96	53.816	
3,500.00	3,482.28	3,476.43	3,486.85	9.84	4.85	77.31	722.80	-266.99	692.27	679.12	13.15	52.646	
3,600.00	3,580.76	3,573.04	3,583.09	10.21	4.90	79.36	722.80	-258.57	688.20	674.85	13.34	51.575	
3,700.00	3,679.24	3,669.65	3,679.34	10.58	4.96	81.42	722.80	-250.15	685.08	671.53	13.54	50.595	
3,800.00	3,777.72	3,766.26	3,775.58	10.96	5.03	83.51	722.80	-241.73	682.92	669.17	13.74	49.693	
3,900.00	3,876.20	3,862.87	3,871.82	11.35	5.09	85.60	722.80	-233.31	681.73	667.78	13.95	48.860	
3,971.62	3,946.73	3,932.06	3,940.75	11.63	5.14	87.10	722.80	-227.28	681.48	667.37	14.11	48.300 CC	
4,000.00	3,974.68	3,959.48	3,968.06	11.74	5.16	87.70	722.80	-224.89	681.52	667.34	14.17	48.085 ES	
4,100.00	4,073.16	4,056.09	4,064.31	12.13	5.23	89.79	722.80	-216.47	682.28	667.88	14.41	47.358	
4,200.00	4,171.64	4,152.70	4,160.55	12.53	5.30	91.88	722.80	-208.04	684.02	669.37	14.66	46.668	
4,300.00	4,270.13	4,249.31	4,256.79	12.93	5.38	93.95	722.80	-199.62	686.73	671.80	14.93	46.007	
4,400.00	4,368.61	4,345.92	4,353.03	13.34	5.45	96.01	722.80	-191.20	690.39	675.17	15.22	45.368	
4,500.00	4,467.09	4,442.53	4,449.28	13.75	5.53	98.05	722.80	-182.78	695.00	679.46	15.53	44.745	
4,600.00	4,565.57	4,539.14	4,545.52	14.16	5.61	100.05	722.80	-174.36	700.52	684.65	15.87	44.134	
4,700.00	4,664.05	4,635.75	4,641.76	14.58	5.70	102.03	722.80	-165.94	706.94	690.71	16.24	43.533	
4,800.00	4,762.53	4,732.36	4,738.00	15.00	5.78	103.97	722.80	-157.52	714.25	697.61	16.63	42.941	
4,900.00	4,861.01	4,828.98	4,834.25	15.42	5.86	105.87	722.80	-149.10	722.40	705.34	17.05	42.358	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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												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 Between Centres (usft)		No-Go Distance (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.00	4,959.49	4,925.59	4,930.49	15.84	5.95	107.73	722.80	-140.68	731.37	713.86	17.50	41.785	
5,100.00	5,057.97	5,022.20	5,026.73	16.26	6.04	109.54	722.80	-132.26	741.13	723.15	17.98	41.225	
5,200.00	5,156.46	5,118.81	5,122.97	16.69	6.13	111.31	722.80	-123.84	751.65	733.17	18.48	40.680	
5,300.00	5,254.94	5,215.42	5,219.22	17.11	6.22	113.03	722.80	-115.42	762.90	743.90	19.00	40.151	
5,400.00	5,353.42	5,312.03	5,315.46	17.54	6.31	114.70	722.80	-107.00	774.85	755.30	19.55	39.641	
5,500.00	5,451.90	5,408.64	5,411.70	17.97	6.40	116.32	722.80	-98.58	787.46	767.35	20.11	39.152	
5,600.00	5,550.38	5,505.25	5,507.94	18.40	6.50	117.90	722.80	-90.16	800.71	780.01	20.70	38.686	
5,624.17	5,574.18	5,528.60	5,531.21	18.50	6.52	118.27	722.80	-88.13	804.00	783.17	20.83	38.600	
5,700.00	5,648.95	5,601.98	5,604.31	18.82	6.59	119.48	722.80	-81.73	814.32	793.05	21.27	38.291	
5,800.00	5,747.78	5,699.14	5,701.10	19.24	6.69	120.95	722.80	-73.26	827.61	805.76	21.85	37.877	
5,900.00	5,846.87	5,796.69	5,798.27	19.65	6.79	122.28	722.80	-64.76	840.44	818.03	22.42	37.489	
6,000.00	5,946.18	5,894.60	5,895.82	20.05	6.89	123.47	722.80	-56.23	852.70	829.73	22.97	37.124	
6,100.00	6,045.68	5,992.86	5,993.70	20.44	6.99	124.53	722.80	-47.66	864.27	840.77	23.50	36.779	
6,200.00	6,145.33	6,091.43	6,091.89	20.81	7.09	125.47	722.80	-39.07	875.08	851.08	24.01	36.454	
6,300.00	6,245.12	6,190.27	6,190.36	21.17	7.20	126.30	722.80	-30.46	885.05	860.57	24.48	36.147	
6,400.00	6,345.00	6,289.36	6,289.08	21.50	7.30	127.01	722.80	-21.82	894.13	869.19	24.93	35.861	
6,500.00	6,444.96	6,388.67	6,388.01	21.80	7.41	127.61	722.80	-13.17	902.25	876.91	25.34	35.600	
6,600.00	6,544.95	6,488.17	6,487.13	22.04	7.51	128.11	722.80	-4.50	909.38	883.68	25.70	35.386	
6,624.05	6,569.00	6,512.13	6,511.00	22.06	7.54	46.83	722.80	-2.41	910.94	885.19	25.75	35.375	
6,700.00	6,644.95	6,587.79	6,586.36	22.08	7.62	47.11	722.80	4.19	915.78	889.89	25.89	35.366	
6,800.00	6,744.95	6,687.41	6,685.61	22.11	7.73	47.48	722.80	12.87	922.20	896.10	26.10	35.337	
6,900.00	6,844.95	6,787.02	6,784.85	22.15	7.84	47.84	722.80	21.55	928.65	902.35	26.30	35.310	
7,000.00	6,944.95	6,886.64	6,884.09	22.19	7.95	48.20	722.80	30.23	935.14	908.64	26.50	35.287	
7,100.00	7,044.95	6,986.26	6,983.33	22.22	8.06	48.55	722.80	38.92	941.67	914.97	26.70	35.265	
7,200.00	7,144.95	7,085.88	7,082.57	22.26	8.17	48.90	722.80	47.60	948.23	921.33	26.90	35.247	
7,300.00	7,244.95	7,185.50	7,181.81	22.30	8.28	49.24	722.80	56.28	954.83	927.72	27.10	35.230	
7,400.00	7,344.95	7,285.12	7,281.05	22.33	8.39	49.58	722.80	64.96	961.46	934.15	27.30	35.216	
7,500.00	7,444.95	7,384.74	7,380.29	22.37	8.50	49.92	722.80	73.65	968.12	940.62	27.50	35.204	
7,600.00	7,544.95	7,484.36	7,479.53	22.41	8.62	50.24	722.80	82.33	974.81	947.11	27.70	35.194	
7,700.00	7,644.95	7,583.98	7,578.77	22.44	8.73	50.57	722.80	91.01	981.54	953.64	27.90	35.185	
7,800.00	7,744.95	7,683.60	7,678.01	22.48	8.84	50.89	722.80	99.69	988.30	960.20	28.09	35.179	
7,900.00	7,844.95	7,783.22	7,777.25	22.52	8.96	51.21	722.80	108.38	995.09	966.80	28.29	35.174 SF	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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)			
0.00	0.00	0.00	13.60	0.00	3.00	-27.18	722.60	-371.10	812.44				
100.00	100.00	86.40	100.00	0.77	3.00	-27.18	722.60	-371.10	812.32	807.52	4.80	169.271	
200.00	200.00	186.40	200.00	1.44	3.00	-27.18	722.60	-371.10	812.32	807.20	5.12	158.550	
300.00	300.00	286.40	300.00	1.88	3.01	-27.18	722.60	-371.10	812.32	806.89	5.44	149.454	
400.00	400.00	386.40	400.00	2.25	3.03	-27.18	722.60	-371.10	812.32	806.58	5.74	141.605	
500.00	500.00	486.40	500.00	2.56	3.05	-27.18	722.60	-371.10	812.32	806.29	6.03	134.737	
600.00	600.00	586.40	600.00	2.84	3.08	-27.18	722.60	-371.10	812.32	806.01	6.31	128.656	
700.00	700.00	686.40	700.00	3.10	3.11	-27.18	722.60	-371.10	812.32	805.73	6.59	123.222	
800.00	800.00	786.40	800.00	3.34	3.15	-27.18	722.60	-371.10	812.32	805.46	6.87	118.324	
900.00	900.00	886.40	900.00	3.57	3.19	-27.18	722.60	-371.10	812.32	805.19	7.13	113.880	
1,000.00	1,000.00	986.40	1,000.00	3.79	3.24	-27.18	722.60	-371.10	812.32	804.92	7.40	109.822	
1,100.00	1,100.00	1,086.40	1,100.00	3.99	3.29	-27.18	722.60	-371.10	812.32	804.66	7.66	106.096	
1,200.00	1,200.00	1,186.40	1,200.00	4.19	3.35	-27.18	722.60	-371.10	812.32	804.41	7.91	102.660	
1,300.00	1,300.00	1,286.40	1,300.00	4.38	3.41	-27.18	722.60	-371.10	812.32	804.16	8.17	99.478	
1,400.00	1,400.00	1,386.40	1,400.00	4.56	3.47	-27.18	722.60	-371.10	812.32	803.91	8.42	96.519	
1,500.00	1,500.00	1,486.40	1,500.00	4.74	3.54	-27.18	722.60	-371.10	812.32	803.66	8.66	93.759	
1,600.00	1,600.00	1,586.40	1,600.00	4.91	3.61	-27.18	722.60	-371.10	812.32	803.41	8.91	91.176	
1,700.00	1,700.00	1,686.40	1,700.00	5.08	3.69	-27.18	722.60	-371.10	812.32	803.17	9.15	88.753	
1,800.00	1,800.00	1,786.40	1,800.00	5.24	3.76	-27.18	722.60	-371.10	812.32	802.93	9.39	86.473	
1,900.00	1,900.00	1,886.40	1,900.00	5.40	3.84	-27.18	722.60	-371.10	812.32	802.69	9.63	84.323	
2,000.00	2,000.00	1,986.40	2,000.00	5.56	3.93	-27.18	722.60	-371.10	812.32	802.45	9.87	82.291	
2,100.00	2,099.98	2,086.38	2,099.98	5.79	4.01	54.32	722.60	-371.10	811.30	801.17	10.13	80.089	
2,200.00	2,199.84	2,186.24	2,199.84	6.01	4.10	54.67	722.60	-371.10	808.26	797.88	10.38	77.867	
2,300.00	2,299.45	2,285.85	2,299.45	6.26	4.19	55.26	722.60	-371.10	803.24	792.61	10.64	75.511	
2,400.00	2,398.70	2,385.10	2,398.70	6.52	4.29	56.09	722.60	-371.10	796.33	785.43	10.90	73.037	
2,499.94	2,497.41	2,483.81	2,497.41	6.80	4.38	57.17	722.60	-371.10	787.66	776.48	11.18	70.475	
2,600.00	2,595.95	2,582.35	2,595.95	7.04	4.48	58.23	722.60	-371.10	778.28	766.84	11.43	68.080	
2,700.00	2,694.43	2,680.83	2,694.43	7.29	4.57	59.32	722.60	-371.10	769.18	757.48	11.69	65.776	
2,800.00	2,792.91	2,779.31	2,792.91	7.56	4.67	60.43	722.60	-371.10	760.36	748.40	11.96	63.565	
2,900.00	2,891.39	2,877.79	2,891.39	7.84	4.77	61.57	722.60	-371.10	751.85	739.61	12.23	61.454	
3,000.00	2,989.87	2,976.27	2,989.87	8.15	4.87	62.73	722.60	-371.10	743.64	731.13	12.51	59.449	
3,100.00	3,088.35	3,074.75	3,088.35	8.46	4.98	63.92	722.60	-371.10	735.75	722.96	12.78	57.551	
3,200.00	3,186.83	3,173.23	3,186.83	8.79	5.08	65.13	722.60	-371.10	728.19	715.13	13.06	55.759	
3,300.00	3,285.31	3,271.71	3,285.31	9.13	5.19	66.37	722.60	-371.10	720.96	707.63	13.33	54.073	
3,400.00	3,383.80	3,370.20	3,383.80	9.48	5.29	67.63	722.60	-371.10	714.09	700.49	13.60	52.490	
3,500.00	3,482.28	3,468.68	3,482.28	9.84	5.40	68.91	722.60	-371.10	707.58	693.70	13.87	51.006	
3,600.00	3,580.76	3,567.16	3,580.76	10.21	5.51	70.22	722.60	-371.10	701.43	687.30	14.14	49.618	
3,700.00	3,679.24	3,665.64	3,679.24	10.58	5.62	71.55	722.60	-371.10	695.67	681.27	14.40	48.320	
3,800.00	3,777.72	3,764.12	3,777.72	10.96	5.73	72.89	722.60	-371.10	690.29	675.64	14.65	47.108	
3,900.00	3,876.20	3,862.60	3,876.20	11.35	5.84	74.26	722.60	-371.10	685.31	670.41	14.91	45.977	
4,000.00	3,974.68	3,961.08	3,974.68	11.74	5.95	75.65	722.60	-371.10	680.74	665.59	15.15	44.922	
4,100.00	4,073.16	4,059.56	4,073.16	12.13	6.06	77.05	722.60	-371.10	676.58	661.18	15.40	43.937	
4,200.00	4,171.64	4,158.04	4,171.64	12.53	6.18	78.47	722.60	-371.10	672.85	657.21	15.64	43.017	
4,300.00	4,270.13	4,256.53	4,270.13	12.93	6.29	79.91	722.60	-371.10	669.54	653.66	15.88	42.158	
4,400.00	4,368.61	4,355.01	4,368.61	13.34	6.40	81.35	722.60	-371.10	666.67	650.55	16.12	41.353	
4,500.00	4,467.09	4,453.49	4,467.09	13.75	6.52	82.81	722.60	-371.10	664.25	647.88	16.36	40.598	
4,600.00	4,565.57	4,551.97	4,565.57	14.16	6.64	84.28	722.60	-371.10	662.26	645.66	16.60	39.888	
4,700.00	4,664.05	4,650.45	4,664.05	14.58	6.75	85.76	722.60	-371.10	660.73	643.89	16.85	39.217	
4,800.00	4,762.53	4,748.93	4,762.53	15.00	6.87	87.24	722.60	-371.10	659.66	642.56	17.10	38.582	
4,900.00	4,861.01	4,847.41	4,861.01	15.42	6.98	88.72	722.60	-371.10	659.03	641.68	17.35	37.977	
4,985.90	4,945.60	4,932.00	4,945.60	15.78	7.09	90.00	722.60	-371.10	658.87	641.29	17.58	37.479	

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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						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		
5,000.00	4,959.49	4,945.89	4,959.49	15.84	7.10	90.21	722.60	-371.10	658.87	641.25	17.62	37.399		
5,100.00	5,057.97	5,044.37	5,057.97	16.26	7.22	91.70	722.60	-371.10	659.16	641.27	17.89	36.844		
5,200.00	5,156.46	5,142.86	5,156.46	16.69	7.34	93.18	722.60	-371.10	659.91	641.74	18.18	36.308		
5,300.00	5,254.94	5,241.34	5,254.94	17.11	7.46	94.66	722.60	-371.10	661.12	642.65	18.47	35.788		
5,400.00	5,353.42	5,339.82	5,353.42	17.54	7.58	96.13	722.60	-371.10	662.78	643.99	18.78	35.282		
5,500.00	5,451.90	5,438.30	5,451.90	17.97	7.70	97.60	722.60	-371.10	664.88	645.77	19.11	34.788		
5,600.00	5,550.38	5,531.15	5,544.75	18.40	7.80	98.98	722.69	-370.96	667.59	648.15	19.44	34.337		
5,624.17	5,574.18	5,551.26	5,564.86	18.50	7.82	99.29	722.85	-370.72	668.54	649.04	19.51	34.275		
5,700.00	5,648.95	5,614.15	5,627.72	18.82	7.88	100.31	723.84	-369.19	672.47	652.74	19.74	34.073		
5,800.00	5,747.78	5,701.80	5,715.23	19.24	7.96	101.74	726.47	-365.14	679.81	659.74	20.07	33.875		
5,900.00	5,846.87	5,793.79	5,806.99	19.65	8.03	103.15	730.00	-359.72	688.48	668.07	20.41	33.730		
6,000.00	5,946.18	5,892.23	5,905.19	20.05	8.11	104.48	733.78	-353.91	697.17	676.40	20.77	33.565		
6,100.00	6,045.68	5,990.96	6,003.67	20.44	8.20	105.66	737.57	-348.08	705.72	684.60	21.12	33.407		
6,200.00	6,145.33	6,089.93	6,102.40	20.81	8.28	106.67	741.37	-342.24	714.03	692.56	21.47	33.260		
6,300.00	6,245.12	6,189.13	6,201.35	21.17	8.37	107.53	745.18	-336.39	721.99	700.20	21.80	33.123		
6,400.00	6,345.00	6,288.51	6,300.49	21.50	8.46	108.24	748.99	-330.53	729.55	707.44	22.11	33.000		
6,500.00	6,444.96	6,388.06	6,399.79	21.80	8.54	108.80	752.81	-324.66	736.63	714.23	22.39	32.894		
6,600.00	6,544.95	6,487.73	6,499.22	22.04	8.63	109.23	756.63	-318.77	743.19	720.54	22.65	32.812		
6,624.05	6,569.00	6,511.72	6,523.15	22.06	8.66	27.92	757.55	-317.36	744.69	722.00	22.69	32.822		
6,700.00	6,644.95	6,587.48	6,598.72	22.08	8.73	28.12	760.46	-312.89	749.37	726.55	22.82	32.840		
6,800.00	6,744.95	6,687.23	6,698.22	22.11	8.82	28.38	764.29	-307.00	755.55	732.54	23.01	32.841		
6,900.00	6,844.95	6,786.99	6,797.73	22.15	8.91	28.63	768.12	-301.12	761.74	738.54	23.19	32.843		
7,000.00	6,944.95	6,886.74	6,897.23	22.19	9.01	28.88	771.95	-295.23	767.94	744.56	23.38	32.845		
7,100.00	7,044.95	6,986.49	6,996.74	22.22	9.10	29.12	775.77	-289.35	774.16	750.59	23.57	32.847		
7,200.00	7,144.95	7,086.24	7,096.24	22.26	9.20	29.36	779.60	-283.46	780.40	756.64	23.76	32.850		
7,300.00	7,244.95	7,185.99	7,195.75	22.30	9.29	29.60	783.43	-277.58	786.64	762.70	23.94	32.853		
7,400.00	7,344.95	7,285.75	7,295.25	22.33	9.39	29.84	787.26	-271.69	792.91	768.77	24.13	32.856		
7,500.00	7,444.95	7,385.50	7,394.76	22.37	9.49	30.07	791.09	-265.81	799.18	774.86	24.32	32.860		
7,600.00	7,544.95	7,485.25	7,494.26	22.41	9.59	30.29	794.91	-259.92	805.47	780.96	24.51	32.864		
7,700.00	7,644.95	7,585.00	7,593.77	22.44	9.69	30.51	798.74	-254.04	811.76	787.07	24.70	32.868		
7,800.00	7,744.95	7,684.75	7,693.27	22.48	9.79	30.73	802.57	-248.15	818.08	793.19	24.89	32.872		
7,900.00	7,844.95	7,784.51	7,792.77	22.52	9.89	30.95	806.40	-242.27	824.40	799.32	25.08	32.877		
8,000.00	7,944.95	7,884.26	7,892.28	22.56	9.99	31.16	810.23	-236.38	830.73	805.47	25.26	32.882		
8,100.00	8,044.95	7,984.01	7,991.78	22.60	10.10	31.37	814.05	-230.50	837.08	811.62	25.45	32.887		
8,200.00	8,144.95	8,083.76	8,091.29	22.64	10.20	31.58	817.88	-224.61	843.43	817.79	25.64	32.892		
8,300.00	8,244.95	8,183.51	8,190.79	22.67	10.30	31.78	821.71	-218.72	849.80	823.97	25.83	32.898		
8,400.00	8,344.95	8,283.27	8,290.30	22.71	10.41	31.98	825.54	-212.84	856.18	830.16	26.02	32.903		
8,500.00	8,444.95	8,383.02	8,389.80	22.75	10.51	32.18	829.37	-206.95	862.57	836.36	26.21	32.909		
8,600.00	8,544.95	8,482.77	8,489.31	22.79	10.62	32.37	833.19	-201.07	868.96	842.56	26.40	32.915		
8,700.00	8,644.95	8,582.52	8,588.81	22.83	10.73	32.57	837.02	-195.18	875.37	848.78	26.59	32.921		
8,800.00	8,744.95	8,682.27	8,688.32	22.87	10.83	32.75	840.85	-189.30	881.79	855.01	26.78	32.928		
8,900.00	8,844.95	8,782.03	8,787.82	22.91	10.94	32.94	844.68	-183.41	888.22	861.25	26.97	32.934		
9,000.00	8,944.95	8,881.78	8,887.33	22.95	11.05	33.12	848.51	-177.53	894.65	867.49	27.16	32.941		
9,100.00	9,044.95	8,981.53	8,986.83	22.99	11.16	33.30	852.33	-171.64	901.10	873.75	27.35	32.947		
9,200.00	9,144.95	9,081.28	9,086.33	23.04	11.27	33.48	856.16	-165.76	907.55	880.01	27.54	32.954		
9,300.00	9,244.95	9,181.03	9,185.84	23.08	11.38	33.66	859.99	-159.87	914.01	886.28	27.73	32.961		
9,400.00	9,344.95	9,280.79	9,285.34	23.12	11.49	33.83	863.82	-153.99	920.48	892.56	27.92	32.968		
9,500.00	9,444.95	9,380.54	9,384.85	23.16	11.60	34.00	867.65	-148.10	926.96	898.85	28.11	32.975		
9,600.00	9,544.95	9,480.29	9,484.35	23.20	11.71	34.17	871.47	-142.22	933.45	905.15	28.30	32.982		
9,700.00	9,644.95	9,580.04	9,583.86	23.24	11.82	34.34	875.30	-136.33	939.95	911.45	28.49	32.989		
9,800.00	9,744.95	9,679.79	9,683.36	23.29	11.94	34.50	879.13	-130.45	946.45	917.77	28.68	32.996		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 902H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-Standard Keeper 104, 10198-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference													Rule Assigned:
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	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)			
9,900.00	9,844.95	9,779.55	9,782.87	23.33	12.05	34.66	882.96	-124.56	952.96	924.09	28.87	33.003	
10,000.00	9,944.95	9,879.30	9,882.37	23.37	12.16	34.82	886.79	-118.67	959.48	930.41	29.07	33.010	
10,100.00	10,044.95	11,347.69	10,792.02	23.41	13.48	90.23	98.39	-60.64	961.17	919.90	41.28	23.285	
10,200.00	10,144.95	11,346.99	10,792.02	23.46	13.48	90.16	99.09	-60.65	885.69	844.52	41.16	21.516	
10,300.00	10,244.95	11,346.28	10,792.03	23.50	13.48	90.10	99.80	-60.65	815.49	774.58	40.91	19.932	
10,329.59	10,274.54	11,346.07	10,792.03	23.50	13.48	90.08	100.01	-60.65	795.94	754.91	41.03	19.397	
10,350.00	10,294.94	11,345.49	10,792.03	23.50	13.48	92.14	100.59	-60.65	782.83	741.89	40.95	19.119	
10,375.00	10,319.88	11,343.60	10,792.05	23.51	13.47	94.35	102.48	-60.66	767.24	726.42	40.82	18.795	
10,400.00	10,344.69	11,340.40	10,792.07	23.51	13.47	96.30	105.68	-60.68	752.23	711.55	40.68	18.490	
10,425.00	10,369.31	11,335.90	10,792.10	23.51	13.46	97.98	110.17	-60.70	737.86	697.33	40.53	18.206	
10,450.00	10,393.67	11,330.13	10,792.14	23.51	13.45	99.40	115.95	-60.72	724.18	683.82	40.36	17.944	
10,475.00	10,417.71	11,323.09	10,792.19	23.52	13.44	100.56	122.98	-60.76	711.24	671.07	40.17	17.704	
10,500.00	10,441.35	11,314.81	10,792.25	23.52	13.42	101.49	131.27	-60.80	699.08	659.11	39.98	17.488	
10,525.00	10,464.54	11,305.30	10,792.32	23.52	13.41	102.19	140.77	-60.84	687.74	647.97	39.77	17.295	
10,550.00	10,487.20	11,294.60	10,792.39	23.52	13.39	102.67	151.48	-60.89	677.23	637.68	39.55	17.124	
10,575.00	10,509.28	11,282.73	10,792.48	23.53	13.37	102.96	163.35	-60.95	667.57	628.24	39.32	16.976	
10,600.00	10,530.72	11,269.72	10,792.57	23.53	13.36	103.06	176.35	-61.01	658.76	619.66	39.10	16.850	
10,625.00	10,551.46	11,255.62	10,792.67	23.53	13.34	103.00	190.46	-61.08	650.78	611.92	38.87	16.745	
10,650.00	10,571.43	11,240.45	10,792.78	23.54	13.32	102.79	205.62	-61.15	643.63	605.00	38.63	16.660	
10,675.00	10,590.60	11,224.26	10,792.89	23.54	13.30	102.45	221.81	-61.22	637.28	598.87	38.41	16.593	
10,700.00	10,608.89	11,207.10	10,793.01	23.55	13.27	101.99	238.97	-61.31	631.69	593.50	38.18	16.544	
10,725.00	10,626.27	11,189.02	10,793.14	23.56	13.25	101.44	257.06	-61.39	626.81	588.84	37.97	16.509	
10,750.00	10,642.69	11,170.05	10,793.27	23.57	13.23	100.82	276.02	-61.48	622.61	584.84	37.77	16.486	
10,775.00	10,658.10	11,150.26	10,793.41	23.58	13.21	100.14	295.81	-61.57	619.03	581.45	37.57	16.474	
10,800.00	10,672.45	11,129.69	10,793.56	23.59	13.19	99.42	316.38	-61.67	616.01	578.61	37.40	16.473 SF	
10,825.00	10,685.72	11,103.39	10,793.39	23.60	13.17	98.43	342.68	-61.82	613.43	576.21	37.21	16.485	
10,850.00	10,697.86	11,075.56	10,791.94	23.61	13.14	97.33	370.47	-62.04	611.08	574.06	37.03	16.504	
10,875.00	10,708.84	11,048.47	10,789.23	23.63	13.12	96.26	397.42	-62.34	608.97	572.12	36.85	16.525	
10,900.00	10,718.62	11,022.06	10,785.38	23.64	13.09	95.19	423.54	-62.71	607.08	570.39	36.69	16.547	
10,925.00	10,727.19	10,996.26	10,780.45	23.66	13.06	94.13	448.86	-63.13	605.42	568.88	36.54	16.569	
10,950.00	10,734.52	10,971.02	10,774.54	23.68	13.04	93.09	473.39	-63.61	603.98	567.57	36.41	16.589	
10,975.00	10,740.59	10,946.29	10,767.70	23.71	13.01	92.06	497.15	-64.13	602.74	566.45	36.29	16.609	
11,000.00	10,745.38	10,922.03	10,760.01	23.73	12.99	91.05	520.15	-64.71	601.71	565.52	36.19	16.626	
11,025.00	10,748.89	10,898.19	10,751.51	23.76	12.96	90.05	542.41	-65.33	600.86	564.76	36.10	16.642	
11,050.00	10,751.09	10,874.75	10,742.25	23.79	12.93	89.07	563.93	-65.99	600.20	564.16	36.04	16.655	
11,075.00	10,751.98	10,851.66	10,732.29	23.82	12.91	88.11	584.75	-66.69	599.70	563.72	35.98	16.667	
11,078.01	10,752.00	10,848.90	10,731.04	23.82	12.91	87.99	587.21	-66.77	599.65	563.67	35.98	16.668	
11,100.00	10,752.07	10,829.15	10,721.77	23.85	12.89	87.10	604.64	-67.41	599.37	563.43	35.94	16.677	
11,120.58	10,752.14	10,811.32	10,712.89	23.88	12.87	86.24	620.09	-68.02	599.28	563.36	35.92	16.685 CC, ES	
11,200.00	10,752.40	10,750.00	10,678.79	24.01	12.80	82.97	670.96	-70.30	600.97	565.10	35.87	16.753	
11,300.00	10,752.74	10,682.02	10,634.89	24.20	12.74	78.78	722.73	-73.17	609.39	573.51	35.88	16.985	
11,400.00	10,753.07	10,627.65	10,595.56	24.43	12.69	75.11	760.16	-75.70	626.78	590.89	35.88	17.467	
11,500.00	10,753.40	10,583.12	10,560.83	24.68	12.65	71.94	787.92	-77.90	654.14	618.33	35.81	18.267	
11,600.00	10,753.73	10,550.00	10,533.65	24.95	12.63	69.52	806.77	-79.61	691.49	655.88	35.61	19.420	
11,700.00	10,754.06	10,515.80	10,504.50	25.26	12.61	66.99	824.55	-81.44	738.09	702.73	35.36	20.876	
11,800.00	10,754.39	10,500.00	10,490.69	25.59	12.60	65.82	832.17	-82.29	792.98	758.04	34.94	22.692	
11,900.00	10,754.72	10,468.23	10,462.30	25.95	12.58	63.48	846.32	-84.05	854.60	819.94	34.66	24.655	
12,000.00	10,755.05	10,450.00	10,445.67	26.33	12.57	62.14	853.72	-85.08	922.15	887.85	34.30	26.884	
12,100.00	10,755.38	10,433.27	10,430.21	26.73	12.57	60.92	860.04	-86.03	994.50	960.53	33.97	29.279	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 903H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	14.00	0.00	3.00	-29.04	722.40	-401.10	826.40	826.40			
100.00	100.00	86.00	100.00	0.77	3.00	-29.04	722.40	-401.10	826.28	821.48	4.80	172.181	
200.00	200.00	186.00	200.00	1.44	3.00	-29.04	722.40	-401.10	826.28	821.16	5.12	161.279	
300.00	300.00	286.00	300.00	1.88	3.01	-29.04	722.40	-401.10	826.28	820.85	5.43	152.033	
400.00	400.00	386.00	400.00	2.25	3.03	-29.04	722.40	-401.10	826.28	820.55	5.74	144.056	
500.00	500.00	486.00	500.00	2.56	3.05	-29.04	722.40	-401.10	826.28	820.25	6.03	137.078	
600.00	600.00	586.00	600.00	2.84	3.08	-29.04	722.40	-401.10	826.28	819.97	6.31	130.901	
700.00	700.00	686.00	700.00	3.10	3.11	-29.04	722.40	-401.10	826.28	819.69	6.59	125.380	
800.00	800.00	786.00	800.00	3.34	3.15	-29.04	722.40	-401.10	826.28	819.42	6.86	120.406	
900.00	900.00	886.00	900.00	3.57	3.19	-29.04	722.40	-401.10	826.28	819.15	7.13	115.892	
1,000.00	1,000.00	986.00	1,000.00	3.79	3.24	-29.04	722.40	-401.10	826.28	818.89	7.39	111.771	
1,100.00	1,100.00	1,086.00	1,100.00	3.99	3.29	-29.04	722.40	-401.10	826.28	818.63	7.65	107.988	
1,200.00	1,200.00	1,186.00	1,200.00	4.19	3.35	-29.04	722.40	-401.10	826.28	818.38	7.91	104.499	
1,300.00	1,300.00	1,286.00	1,300.00	4.38	3.41	-29.04	722.40	-401.10	826.28	818.12	8.16	101.268	
1,400.00	1,400.00	1,386.00	1,400.00	4.56	3.47	-29.04	722.40	-401.10	826.28	817.87	8.41	98.264	
1,500.00	1,500.00	1,486.00	1,500.00	4.74	3.54	-29.04	722.40	-401.10	826.28	817.63	8.66	95.461	
1,600.00	1,600.00	1,586.00	1,600.00	4.91	3.61	-29.04	722.40	-401.10	826.28	817.38	8.90	92.838	
1,700.00	1,700.00	1,686.00	1,700.00	5.08	3.69	-29.04	722.40	-401.10	826.28	817.14	9.14	90.378	
1,800.00	1,800.00	1,786.00	1,800.00	5.24	3.76	-29.04	722.40	-401.10	826.28	816.90	9.38	88.062	
1,900.00	1,900.00	1,886.00	1,900.00	5.40	3.84	-29.04	722.40	-401.10	826.28	816.66	9.62	85.879	
2,000.00	2,000.00	1,986.00	2,000.00	5.56	3.93	-29.04	722.40	-401.10	826.28	816.42	9.86	83.816	
2,100.00	2,099.98	2,085.98	2,099.98	5.79	4.01	52.46	722.40	-401.10	825.22	815.10	10.12	81.550	
2,200.00	2,199.84	2,185.84	2,199.84	6.01	4.10	52.80	722.40	-401.10	822.04	811.67	10.37	79.257	
2,300.00	2,299.45	2,285.45	2,299.45	6.26	4.19	53.37	722.40	-401.10	816.79	806.16	10.63	76.819	
2,400.00	2,398.70	2,384.70	2,398.70	6.52	4.29	54.17	722.40	-401.10	809.55	798.65	10.90	74.253	
2,499.94	2,497.41	2,483.41	2,497.41	6.80	4.38	55.22	722.40	-401.10	800.44	789.26	11.18	71.590	
2,600.00	2,595.95	2,581.95	2,595.95	7.04	4.48	56.25	722.40	-401.10	790.56	779.12	11.44	69.108	
2,700.00	2,694.43	2,680.43	2,694.43	7.29	4.57	57.30	722.40	-401.10	780.94	769.24	11.71	66.716	
2,800.00	2,792.91	2,778.91	2,792.91	7.56	4.67	58.37	722.40	-401.10	771.60	759.62	11.98	64.416	
2,900.00	2,891.39	2,877.39	2,891.39	7.84	4.77	59.47	722.40	-401.10	762.53	750.27	12.26	62.217	
3,000.00	2,989.87	2,975.87	2,989.87	8.15	4.87	60.59	722.40	-401.10	753.76	741.22	12.54	60.125	
3,100.00	3,088.35	3,074.35	3,088.35	8.46	4.98	61.74	722.40	-401.10	745.28	732.47	12.82	58.141	
3,200.00	3,186.83	3,172.83	3,186.83	8.79	5.08	62.91	722.40	-401.10	737.12	724.02	13.10	56.267	
3,300.00	3,285.31	3,271.31	3,285.31	9.13	5.19	64.11	722.40	-401.10	729.28	715.90	13.38	54.501	
3,400.00	3,383.80	3,369.80	3,383.80	9.48	5.29	65.34	722.40	-401.10	721.78	708.12	13.66	52.841	
3,500.00	3,482.28	3,468.28	3,482.28	9.84	5.40	66.59	722.40	-401.10	714.61	700.68	13.93	51.283	
3,600.00	3,580.76	3,566.76	3,580.76	10.21	5.51	67.86	722.40	-401.10	707.80	693.60	14.21	49.825	
3,700.00	3,679.24	3,665.24	3,679.24	10.58	5.62	69.16	722.40	-401.10	701.36	686.88	14.47	48.460	
3,800.00	3,777.72	3,763.72	3,777.72	10.96	5.73	70.48	722.40	-401.10	695.29	680.55	14.73	47.186	
3,900.00	3,876.20	3,862.20	3,876.20	11.35	5.84	71.82	722.40	-401.10	689.60	674.60	14.99	45.997	
4,000.00	3,974.68	3,960.68	3,974.68	11.74	5.95	73.18	722.40	-401.10	684.30	669.06	15.24	44.888	
4,100.00	4,073.16	4,059.16	4,073.16	12.13	6.06	74.56	722.40	-401.10	679.41	663.92	15.49	43.853	
4,200.00	4,171.64	4,157.64	4,171.64	12.53	6.18	75.96	722.40	-401.10	674.93	659.19	15.74	42.889	
4,300.00	4,270.13	4,256.13	4,270.13	12.93	6.29	77.38	722.40	-401.10	670.87	654.89	15.98	41.989	
4,400.00	4,368.61	4,354.61	4,368.61	13.34	6.40	78.81	722.40	-401.10	667.23	651.02	16.22	41.148	
4,500.00	4,467.09	4,453.09	4,467.09	13.75	6.52	80.26	722.40	-401.10	664.03	647.58	16.45	40.362	
4,600.00	4,565.57	4,551.57	4,565.57	14.16	6.63	81.72	722.40	-401.10	661.27	644.59	16.69	39.625	
4,700.00	4,664.05	4,650.05	4,664.05	14.58	6.75	83.19	722.40	-401.10	658.96	642.03	16.93	38.932	
4,800.00	4,762.53	4,748.53	4,762.53	15.00	6.87	84.68	722.40	-401.10	657.10	639.93	17.17	38.280	
4,900.00	4,861.01	4,847.01	4,861.01	15.42	6.98	86.16	722.40	-401.10	655.69	638.28	17.41	37.662	
5,000.00	4,959.49	4,945.49	4,959.49	15.84	7.10	87.66	722.40	-401.10	654.74	637.08	17.66	37.075	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - MOMBA FEDERAL COM 903H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-Standard Keeper 104, 10195-r.5 MWD+IFR1+FDIR													Offset Well Error: 3.00 usft
Reference													
Offset													
Semi Major Axis													
Highside													
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
5,100.00	5,057.97	5,043.97	5,057.97	16.26	7.22	89.15	722.40	-401.10	654.25	636.33	17.92	36.514	
5,156.56	5,113.67	5,099.67	5,113.67	16.50	7.29	90.00	722.40	-401.10	654.17	636.11	18.07	36.207	
5,200.00	5,156.46	5,142.46	5,156.46	16.69	7.34	90.65	722.40	-401.10	654.22	636.03	18.18	35.976	
5,300.00	5,254.94	5,240.94	5,254.94	17.11	7.46	92.15	722.40	-401.10	654.65	636.19	18.46	35.457	
5,400.00	5,353.42	5,339.42	5,353.42	17.54	7.58	93.64	722.40	-401.10	655.54	636.78	18.75	34.954	
5,500.00	5,451.90	5,437.90	5,451.90	17.97	7.70	95.13	722.40	-401.10	656.89	637.83	19.06	34.465	
5,600.00	5,550.38	5,536.43	5,550.43	18.40	7.80	96.59	722.46	-401.32	658.69	639.32	19.37	34.005	
5,624.17	5,574.18	5,560.34	5,574.34	18.50	7.82	96.92	722.56	-401.71	659.19	639.76	19.43	33.930	
5,700.00	5,648.95	5,635.82	5,649.77	18.82	7.88	97.80	723.23	-404.21	660.78	641.16	19.62	33.673	
5,800.00	5,747.78	5,736.19	5,749.92	19.24	7.94	98.56	724.92	-410.50	662.76	642.89	19.87	33.356	
5,900.00	5,846.87	5,836.19	5,849.55	19.65	8.00	98.98	727.17	-418.89	664.45	644.36	20.10	33.062	
6,000.00	5,946.18	5,936.14	5,949.11	20.05	8.06	99.25	729.42	-427.30	665.90	645.59	20.31	32.787	
6,100.00	6,045.68	6,036.12	6,048.72	20.44	8.12	99.36	731.68	-435.72	667.08	646.57	20.51	32.529	
6,200.00	6,145.33	6,136.12	6,148.33	20.81	8.19	99.32	733.93	-444.14	667.97	647.28	20.69	32.289	
6,300.00	6,245.12	6,236.09	6,247.92	21.17	8.25	99.13	736.19	-452.55	668.58	647.73	20.85	32.068	
6,400.00	6,345.00	6,336.01	6,347.46	21.50	8.32	98.79	738.44	-460.96	668.93	647.94	20.99	31.864	
6,500.00	6,444.96	6,435.84	6,446.92	21.80	8.39	98.31	740.69	-469.37	669.05	647.93	21.12	31.678	
6,600.00	6,544.95	6,535.56	6,546.26	22.04	8.46	97.67	742.94	-477.76	668.99	647.76	21.23	31.510	
6,624.05	6,569.00	6,559.53	6,570.13	22.06	8.48	16.11	743.48	-479.78	668.95	647.71	21.24	31.495	
6,700.00	6,644.95	6,635.19	6,645.50	22.08	8.53	15.54	745.19	-486.15	668.86	647.57	21.29	31.416	
6,773.27	6,718.22	6,708.18	6,718.22	22.11	8.59	15.00	746.84	-492.30	668.83	647.47	21.35	31.320	
6,800.00	6,744.95	6,734.81	6,744.74	22.11	8.61	14.80	747.44	-494.54	668.83	647.45	21.38	31.284	
6,900.00	6,844.95	6,834.43	6,843.98	22.15	8.68	14.06	749.68	-502.92	668.92	647.44	21.48	31.147	
7,000.00	6,944.95	6,934.05	6,943.22	22.19	8.76	13.31	751.93	-511.31	669.12	647.54	21.58	31.006	
7,100.00	7,044.95	7,033.67	7,042.46	22.22	8.84	12.57	754.18	-519.70	669.43	647.74	21.69	30.861	
7,200.00	7,144.95	7,133.29	7,141.70	22.26	8.92	11.83	756.43	-528.08	669.86	648.05	21.81	30.713	
7,300.00	7,244.95	7,232.90	7,240.94	22.30	9.00	11.09	758.67	-536.47	670.40	648.46	21.94	30.561	
7,400.00	7,344.95	7,332.52	7,340.19	22.33	9.08	10.35	760.92	-544.86	671.05	648.98	22.07	30.407	
7,500.00	7,444.95	7,432.14	7,439.43	22.37	9.16	9.61	763.17	-553.24	671.82	649.61	22.21	30.251	
7,600.00	7,544.95	7,531.76	7,538.67	22.41	9.25	8.87	765.41	-561.63	672.70	650.34	22.35	30.093	
7,700.00	7,644.95	7,631.38	7,637.91	22.44	9.33	8.14	767.66	-570.02	673.68	651.18	22.51	29.932	
7,800.00	7,744.95	7,731.00	7,737.15	22.48	9.42	7.41	769.91	-578.40	674.79	652.12	22.67	29.771	
7,900.00	7,844.95	7,830.62	7,836.39	22.52	9.51	6.68	772.16	-586.79	676.00	653.17	22.83	29.609	
8,000.00	7,944.95	7,930.24	7,935.63	22.56	9.60	5.95	774.40	-595.18	677.32	654.32	23.00	29.446	
8,100.00	8,044.95	8,029.86	8,034.87	22.60	9.69	5.23	776.65	-603.56	678.75	655.57	23.18	29.284	
8,200.00	8,144.95	8,129.48	8,134.11	22.64	9.78	4.51	778.90	-611.95	680.29	656.93	23.36	29.121	
8,300.00	8,244.95	8,229.10	8,233.35	22.67	9.87	3.79	781.14	-620.34	681.93	658.39	23.55	28.959	
8,400.00	8,344.95	8,328.72	8,332.59	22.71	9.97	3.08	783.39	-628.72	683.69	659.95	23.74	28.798	
8,500.00	8,444.95	8,428.34	8,431.83	22.75	10.06	2.37	785.64	-637.11	685.55	661.61	23.94	28.638	
8,600.00	8,544.95	8,527.96	8,531.07	22.79	10.16	1.66	787.89	-645.50	687.51	663.37	24.14	28.480	
8,700.00	8,644.95	8,627.58	8,630.31	22.83	10.25	0.96	790.13	-653.88	689.58	665.24	24.35	28.324	
8,800.00	8,744.95	8,727.20	8,729.55	22.87	10.35	0.26	792.38	-662.27	691.76	667.20	24.56	28.169	
8,900.00	8,844.95	8,826.82	8,828.79	22.91	10.45	-0.43	794.63	-670.65	694.03	669.26	24.77	28.017	
9,000.00	8,944.95	8,926.44	8,928.03	22.95	10.55	-1.12	796.87	-679.04	696.41	671.42	24.99	27.868	
9,100.00	9,044.95	9,026.06	9,027.27	22.99	10.65	-1.81	799.12	-687.43	698.89	673.68	25.21	27.721	
9,200.00	9,144.95	9,125.67	9,126.51	23.04	10.75	-2.49	801.37	-695.81	701.47	676.03	25.44	27.577	
9,300.00	9,244.95	9,225.29	9,225.75	23.08	10.85	-3.16	803.62	-704.20	704.15	678.48	25.67	27.436	
9,400.00	9,344.95	9,324.91	9,324.99	23.12	10.95	-3.83	805.86	-712.59	706.92	681.03	25.90	27.298	
9,500.00	9,444.95	9,424.53	9,424.23	23.16	11.05	-4.49	808.11	-720.97	709.79	683.66	26.13	27.164	
9,600.00	9,544.95	9,524.15	9,523.47	23.20	11.16	-5.15	810.36	-729.36	712.76	686.39	26.37	27.033	
9,700.00	9,644.95	9,623.77	9,622.71	23.24	11.26	-5.80	812.60	-737.75	715.82	689.21	26.60	26.906	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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: Reference		0-Standard Keeper 104, 10195-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)	Offset		Highside Toolface (°)	Offset Wellbore Centre		Distance		No-Go Distance (usft)	Separation Factor	Warning	
				Reference (usft)	Semi Major Axis Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
9,800.00	9,744.95	9,723.39	9,721.95	23.29	11.37	-6.45	814.85	-746.13	718.97	692.12	26.84	26.782		
9,900.00	9,844.95	9,823.01	9,821.19	23.33	11.47	-7.09	817.10	-754.52	722.21	695.12	27.09	26.662		
10,000.00	9,944.95	9,922.63	9,920.44	23.37	11.58	-7.73	819.35	-762.91	725.55	698.21	27.33	26.546		
10,100.00	10,044.95	10,022.25	10,019.68	23.41	11.68	-8.36	821.59	-771.29	728.97	701.39	27.58	26.434		
10,200.00	10,144.95	11,247.41	10,768.07	23.46	13.09	-85.87	119.97	-930.87	677.59	637.03	40.56	16.706		
10,300.00	10,244.95	11,246.66	10,768.07	23.50	13.08	-85.71	120.71	-930.81	586.94	546.38	40.56	14.469		
10,329.59	10,274.54	11,246.44	10,768.08	23.50	13.08	-85.66	120.94	-930.79	560.73	520.35	40.38	13.886		
10,350.00	10,294.94	11,245.81	10,768.08	23.50	13.08	-89.91	121.56	-930.73	542.84	502.49	40.35	13.454		
10,375.00	10,319.88	11,243.73	10,768.09	23.51	13.08	-94.67	123.63	-930.55	521.18	480.89	40.29	12.934		
10,400.00	10,344.69	11,240.22	10,768.12	23.51	13.07	-98.80	127.12	-930.23	499.87	459.65	40.23	12.427		
10,425.00	10,369.31	11,235.30	10,768.15	23.51	13.06	-102.29	132.02	-929.78	479.00	438.86	40.14	11.933		
10,450.00	10,393.67	11,228.98	10,768.19	23.51	13.04	-105.15	138.32	-929.19	458.64	418.60	40.04	11.455		
10,475.00	10,417.71	11,221.27	10,768.25	23.52	13.02	-107.45	146.00	-928.46	438.86	398.95	39.92	10.994		
10,500.00	10,441.35	11,212.19	10,768.31	23.52	13.00	-109.21	155.03	-927.56	419.76	379.98	39.78	10.553		
10,525.00	10,464.54	11,201.79	10,768.38	23.52	12.97	-110.49	165.38	-926.50	401.38	361.76	39.62	10.131		
10,550.00	10,487.20	11,190.08	10,768.46	23.52	12.95	-111.34	177.02	-925.27	383.79	344.35	39.44	9.730		
10,575.00	10,509.28	11,177.11	10,768.55	23.53	12.92	-111.80	189.91	-923.84	367.05	327.79	39.25	9.351		
10,600.00	10,530.72	11,162.91	10,768.64	23.53	12.89	-111.90	204.01	-922.21	351.19	312.15	39.05	8.995		
10,625.00	10,551.46	11,147.53	10,768.75	23.53	12.85	-111.69	219.28	-920.37	336.26	297.43	38.83	8.661		
10,650.00	10,571.43	11,131.02	10,768.86	23.54	12.82	-111.19	235.66	-918.30	322.26	283.67	38.60	8.350		
10,675.00	10,590.60	11,113.42	10,768.98	23.54	12.78	-110.44	253.11	-915.99	309.22	270.85	38.36	8.060		
10,700.00	10,608.89	11,091.25	10,768.96	23.55	12.74	-108.97	275.07	-912.94	297.05	258.91	38.14	7.789		
10,725.00	10,626.27	11,066.82	10,768.00	23.56	12.70	-107.00	299.23	-909.50	285.49	247.59	37.90	7.532		
10,750.00	10,642.69	11,043.22	10,766.10	23.57	12.65	-104.96	322.51	-906.10	274.59	236.92	37.66	7.291		
10,775.00	10,658.10	11,020.33	10,763.33	23.58	12.61	-102.82	344.98	-902.73	264.39	226.96	37.42	7.065		
10,800.00	10,672.45	10,998.06	10,759.77	23.59	12.57	-100.59	366.71	-899.40	254.95	217.75	37.20	6.853		
10,825.00	10,685.72	10,976.35	10,755.49	23.60	12.54	-98.26	387.74	-896.10	246.34	209.34	37.01	6.657		
10,850.00	10,697.86	10,955.12	10,750.52	23.61	12.50	-95.81	408.12	-892.83	238.60	201.76	36.85	6.476		
10,875.00	10,708.84	10,934.31	10,744.92	23.63	12.47	-93.26	427.89	-889.59	231.78	195.05	36.73	6.310		
10,900.00	10,718.62	10,913.89	10,738.72	23.64	12.43	-90.61	447.07	-886.38	225.91	189.24	36.67	6.160		
10,925.00	10,727.19	10,893.81	10,731.96	23.66	12.40	-87.87	465.71	-883.20	221.00	184.34	36.66	6.028		
10,950.00	10,734.52	10,874.04	10,724.66	23.68	12.37	-85.04	483.81	-880.04	217.07	180.37	36.70	5.915		
10,975.00	10,740.59	10,854.53	10,716.84	23.71	12.34	-82.15	501.41	-876.91	214.10	177.33	36.77	5.822		
11,000.00	10,745.38	10,835.28	10,708.53	23.73	12.31	-79.21	518.50	-873.81	212.07	175.20	36.88	5.751		
11,025.00	10,748.89	10,816.24	10,699.75	23.76	12.29	-76.25	535.11	-870.73	210.95	173.95	36.99	5.702		
11,046.48	10,750.86	10,800.00	10,691.83	23.78	12.26	-73.69	549.03	-868.10	210.65	173.56	37.09	5.679 CC		
11,050.00	10,751.09	10,797.40	10,690.52	23.79	12.26	-73.28	551.24	-867.68	210.66	173.55	37.11	5.677 ES		
11,075.00	10,751.98	10,778.74	10,680.85	23.82	12.23	-70.32	566.91	-864.65	211.15	173.95	37.20	5.676 SF		
11,078.01	10,752.00	10,776.50	10,679.66	23.82	12.23	-69.97	568.77	-864.29	211.26	174.05	37.21	5.677		
11,100.00	10,752.07	10,760.49	10,670.90	23.85	12.21	-67.49	581.92	-861.69	212.53	175.26	37.27	5.702		
11,200.00	10,752.40	10,695.05	10,631.35	24.01	12.13	-56.86	632.93	-851.14	230.68	193.47	37.21	6.200		
11,300.00	10,752.74	10,640.59	10,594.11	24.20	12.07	-48.11	671.68	-842.48	268.99	232.51	36.48	7.373		
11,400.00	10,753.07	10,600.00	10,564.01	24.43	12.04	-42.07	698.16	-836.17	323.71	288.47	35.25	9.185		
11,500.00	10,753.40	10,550.00	10,524.42	24.68	11.99	-35.46	727.72	-828.59	390.04	355.31	34.73	11.232		
11,600.00	10,753.73	10,525.81	10,504.36	24.95	11.98	-32.62	740.75	-825.02	464.11	430.52	33.59	13.818		
11,700.00	10,754.06	10,500.00	10,482.35	25.26	11.96	-29.86	753.71	-821.29	543.80	510.93	32.86	16.547		
11,800.00	10,754.39	10,475.94	10,461.32	25.59	11.95	-27.51	764.88	-817.89	627.41	595.06	32.35	19.393		
11,900.00	10,754.72	10,450.00	10,438.12	25.95	11.93	-25.22	775.92	-814.32	713.98	681.93	32.05	22.279		
12,000.00	10,755.05	10,450.00	10,438.12	26.33	11.93	-25.22	775.92	-814.32	802.80	771.42	31.38	25.580		
12,100.00	10,755.38	10,423.88	10,414.27	26.73	11.92	-23.14	785.97	-810.83	893.01	861.70	31.32	28.517		
12,200.00	10,755.71	10,400.00	10,392.07	27.15	11.91	-21.43	794.20	-807.74	984.90	953.64	31.26	31.505		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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													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)	Distance Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
0.00	0.00	1.00	0.00	0.00	0.01	83.95	21.20	199.90	201.02				
100.00	100.00	101.00	100.00	0.77	0.77	83.95	21.20	199.90	201.02	199.02	2.00	100.619	
200.00	200.00	201.00	200.00	1.44	1.44	83.95	21.20	199.90	201.02	197.71	3.32	60.622	
300.00	300.00	301.00	300.00	1.88	1.89	83.95	21.20	199.90	201.02	196.82	4.20	47.874	
400.00	400.00	401.00	400.00	2.25	2.25	83.95	21.20	199.90	201.02	196.11	4.92	40.899	
500.00	500.00	501.00	500.00	2.56	2.56	83.95	21.20	199.90	201.02	195.49	5.54	36.313	
600.00	600.00	601.00	600.00	2.84	2.85	83.95	21.20	199.90	201.02	194.93	6.09	32.993	
700.00	700.00	701.00	700.00	3.10	3.11	83.95	21.20	199.90	201.02	194.42	6.60	30.441	
800.00	800.00	801.00	800.00	3.34	3.35	83.95	21.20	199.90	201.02	193.94	7.08	28.397	
900.00	900.00	901.00	900.00	3.57	3.57	83.95	21.20	199.90	201.02	193.50	7.53	26.711	
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	83.95	21.20	199.90	201.02	193.07	7.95	25.287	
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	83.95	21.20	199.90	201.02	192.67	8.35	24.064	
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	83.95	21.20	199.90	201.02	192.28	8.74	22.997	
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	83.95	21.20	199.90	201.02	191.91	9.11	22.055	
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	83.95	21.20	199.90	201.02	191.55	9.48	21.216	
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	83.95	21.20	199.90	201.02	191.20	9.82	20.461	
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	83.95	21.20	199.90	201.02	190.86	10.16	19.778	
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	83.95	21.20	199.90	201.02	190.53	10.49	19.155	
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	83.95	21.20	199.90	201.02	190.20	10.82	18.583	
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	83.95	21.20	199.90	201.02	189.89	11.13	18.057	
1,966.33	1,966.33	1,967.33	1,966.33	5.50	5.50	83.95	21.20	199.90	201.02	189.68	11.34	17.731 CC	
2,000.00	2,000.00	2,000.00	1,999.00	5.56	5.56	83.95	21.20	199.90	201.02	189.58	11.44	17.573 ES	
2,100.00	2,099.98	2,094.30	2,093.28	5.79	5.77	165.39	21.49	201.42	204.37	192.49	11.87	17.215 SF	
2,200.00	2,199.84	2,187.05	2,185.91	6.01	5.98	165.57	22.36	205.89	214.31	202.03	12.28	17.445	
2,300.00	2,299.45	2,278.59	2,277.15	6.26	6.21	165.82	23.76	213.19	230.79	218.07	12.71	18.153	
2,400.00	2,398.70	2,368.36	2,366.35	6.52	6.44	166.11	25.68	223.12	253.68	240.52	13.16	19.276	
2,499.94	2,497.41	2,455.80	2,452.88	6.80	6.68	166.39	28.05	235.43	282.81	269.19	13.62	20.759	
2,600.00	2,595.95	2,541.15	2,536.94	7.04	6.90	166.75	30.85	249.94	316.45	302.44	14.01	22.589	
2,700.00	2,694.43	2,630.68	2,624.71	7.29	7.10	167.01	34.20	267.27	352.34	337.92	14.42	24.442	
2,800.00	2,792.91	2,723.92	2,716.08	7.56	7.35	167.23	37.72	285.52	388.45	373.54	14.91	26.048	
2,900.00	2,891.39	2,817.16	2,807.45	7.84	7.61	167.41	41.24	303.78	424.57	409.13	15.44	27.502	
3,000.00	2,989.87	2,910.41	2,898.82	8.15	7.89	167.57	44.76	322.03	460.69	444.70	15.99	28.807	
3,100.00	3,088.35	3,003.65	2,990.19	8.46	8.18	167.70	48.28	340.29	496.82	480.24	16.57	29.976	
3,200.00	3,186.83	3,096.89	3,081.56	8.79	8.48	167.81	51.80	358.54	532.94	515.76	17.18	31.022	
3,300.00	3,285.31	3,190.13	3,172.93	9.13	8.80	167.91	55.32	376.79	569.07	551.26	17.81	31.958	
3,400.00	3,383.80	3,283.37	3,264.30	9.48	9.12	168.00	58.84	395.05	605.20	586.75	18.45	32.797	
3,500.00	3,482.28	3,376.61	3,355.67	9.84	9.46	168.08	62.36	413.30	641.33	622.21	19.12	33.549	
3,600.00	3,580.76	3,469.86	3,447.04	10.21	9.80	168.14	65.89	431.55	677.46	657.67	19.79	34.224	
3,700.00	3,679.24	3,563.10	3,538.41	10.58	10.15	168.21	69.41	449.81	713.59	693.11	20.49	34.831	
3,800.00	3,777.72	3,656.34	3,629.78	10.96	10.51	168.26	72.93	468.06	749.73	728.53	21.19	35.378	
3,900.00	3,876.20	3,749.58	3,721.14	11.35	10.87	168.31	76.45	486.31	785.86	763.95	21.91	35.871	
4,000.00	3,974.68	3,842.82	3,812.51	11.74	11.24	168.36	79.97	504.57	821.99	799.36	22.63	36.317	
4,100.00	4,073.16	3,936.06	3,903.88	12.13	11.61	168.40	83.49	522.82	858.13	834.76	23.37	36.720	
4,200.00	4,171.64	4,029.30	3,995.25	12.53	11.99	168.44	87.01	541.07	894.26	870.15	24.11	37.086	
4,300.00	4,270.13	4,122.55	4,086.62	12.93	12.37	168.48	90.53	559.33	930.40	905.53	24.86	37.419	
4,400.00	4,368.61	4,215.79	4,177.99	13.34	12.76	168.51	94.05	577.58	966.53	940.91	25.62	37.722	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
0.00	0.00	1.00	0.00	0.00	0.01	89.66	1.20	200.00	200.00				
100.00	100.00	101.00	100.00	0.77	0.77	89.66	1.20	200.00	200.00	198.01	2.00	100.110	
200.00	200.00	201.00	200.00	1.44	1.44	89.66	1.20	200.00	200.00	196.69	3.32	60.315	
300.00	300.00	301.00	300.00	1.88	1.89	89.66	1.20	200.00	200.00	195.80	4.20	47.632	
400.00	400.00	401.00	400.00	2.25	2.25	89.66	1.20	200.00	200.00	195.09	4.92	40.692	
500.00	500.00	501.00	500.00	2.56	2.56	89.66	1.20	200.00	200.00	194.47	5.54	36.129	
600.00	600.00	601.00	600.00	2.84	2.85	89.66	1.20	200.00	200.00	193.91	6.09	32.826	
700.00	700.00	701.00	700.00	3.10	3.11	89.66	1.20	200.00	200.00	193.40	6.60	30.287	
800.00	800.00	801.00	800.00	3.34	3.35	89.66	1.20	200.00	200.00	192.92	7.08	28.254	
900.00	900.00	901.00	900.00	3.57	3.57	89.66	1.20	200.00	200.00	192.48	7.53	26.576	
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	89.66	1.20	200.00	200.00	192.05	7.95	25.159	
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	89.66	1.20	200.00	200.00	191.65	8.35	23.942	
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	89.66	1.20	200.00	200.00	191.26	8.74	22.880	
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	89.66	1.20	200.00	200.00	190.89	9.11	21.944	
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	89.66	1.20	200.00	200.00	190.53	9.48	21.108	
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	89.66	1.20	200.00	200.00	190.18	9.82	20.358	
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	89.66	1.20	200.00	200.00	189.84	10.16	19.678	
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	89.66	1.20	200.00	200.00	189.51	10.49	19.058	
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	89.66	1.20	200.00	200.00	189.19	10.82	18.489	
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	89.66	1.20	200.00	200.00	188.87	11.13	17.966	
2,000.00	2,000.00	2,001.00	2,000.00	5.56	5.56	89.66	1.20	200.00	200.00	188.56	11.44	17.481 CC, ES	
2,100.00	2,099.98	2,100.98	2,099.98	5.79	5.70	171.11	1.20	200.00	201.73	189.92	11.81	17.086	
2,200.00	2,199.84	2,200.86	2,199.86	6.01	5.83	171.32	1.20	200.00	206.90	194.74	12.16	17.020 SF	
2,300.00	2,299.45	2,303.36	2,302.34	6.26	6.04	171.20	2.93	199.30	214.84	202.30	12.53	17.140	
2,400.00	2,398.70	2,405.68	2,404.50	6.52	6.27	170.34	8.04	197.23	224.91	211.98	12.93	17.397	
2,499.94	2,497.41	2,507.57	2,505.98	6.80	6.50	168.88	16.49	193.82	237.20	223.87	13.33	17.794	
2,600.00	2,595.95	2,607.64	2,605.34	7.04	6.63	167.06	27.51	189.36	250.41	236.80	13.62	18.391	
2,700.00	2,694.43	2,706.47	2,703.43	7.29	6.84	165.39	38.68	184.84	263.74	249.77	13.98	18.869	
2,800.00	2,792.91	2,805.29	2,801.52	7.56	7.05	163.87	49.85	180.33	277.28	262.92	14.36	19.314	
2,900.00	2,891.39	2,904.12	2,899.61	7.84	7.29	162.50	61.02	175.81	290.99	276.24	14.75	19.734	
3,000.00	2,989.87	3,001.94	2,996.78	8.15	7.55	161.39	71.44	171.60	304.99	289.83	15.16	20.113	
3,100.00	3,088.35	3,100.00	3,094.37	8.46	7.80	160.67	80.34	168.00	319.44	303.85	15.58	20.497	
3,200.00	3,186.83	3,197.49	3,191.53	8.79	8.06	160.30	87.65	165.04	334.25	318.23	16.02	20.864	
3,300.00	3,285.31	3,295.20	3,289.05	9.13	8.31	160.24	93.44	162.70	349.40	332.93	16.47	21.210	
3,400.00	3,383.80	3,392.81	3,386.55	9.48	8.56	160.43	97.68	160.98	364.88	347.93	16.94	21.536	
3,500.00	3,482.28	3,490.24	3,483.94	9.84	8.80	160.86	100.38	159.89	380.69	363.27	17.43	21.844	
3,600.00	3,580.76	3,587.45	3,581.13	10.21	9.00	161.49	101.55	159.42	396.89	378.96	17.93	22.138	
3,700.00	3,679.24	3,685.56	3,679.24	10.58	9.11	162.24	101.60	159.40	413.40	394.95	18.44	22.413	
3,800.00	3,777.72	3,784.04	3,777.72	10.96	9.20	162.95	101.60	159.40	429.99	411.02	18.97	22.668	
3,900.00	3,876.20	3,882.52	3,876.20	11.35	9.29	163.60	101.60	159.40	446.64	427.14	19.50	22.906	
4,000.00	3,974.68	3,981.00	3,974.68	11.74	9.38	164.21	101.60	159.40	463.34	443.31	20.04	23.126	
4,100.00	4,073.16	4,079.48	4,073.16	12.13	9.47	164.77	101.60	159.40	480.09	459.51	20.58	23.329	
4,200.00	4,171.64	4,177.96	4,171.64	12.53	9.56	165.30	101.60	159.40	496.88	475.75	21.13	23.517	
4,300.00	4,270.13	4,276.44	4,270.13	12.93	9.65	165.79	101.60	159.40	513.71	492.03	21.68	23.691	
4,400.00	4,368.61	4,374.92	4,368.61	13.34	9.74	166.25	101.60	159.40	530.57	508.33	22.24	23.853	
4,500.00	4,467.09	4,473.41	4,467.09	13.75	9.83	166.68	101.60	159.40	547.47	524.66	22.81	24.003	
4,600.00	4,565.57	4,571.89	4,565.57	14.16	9.92	167.08	101.60	159.40	564.39	541.01	23.38	24.142	
4,700.00	4,664.05	4,670.37	4,664.05	14.58	10.01	167.47	101.60	159.40	581.34	557.39	23.95	24.272	
4,800.00	4,762.53	4,768.85	4,762.53	15.00	10.10	167.83	101.60	159.40	598.31	573.78	24.53	24.393	
4,900.00	4,861.01	4,867.33	4,861.01	15.42	10.18	168.17	101.60	159.40	615.31	590.20	25.11	24.506	
5,000.00	4,959.49	4,965.81	4,959.49	15.84	10.27	168.49	101.60	159.40	632.32	606.63	25.69	24.612	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 702H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9323-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
5,100.00	5,057.97	5,064.29	5,057.97	16.26	10.36	168.80	101.60	159.40	649.35	623.07	26.28	24.710	
5,200.00	5,156.46	5,162.77	5,156.46	16.69	10.45	169.09	101.60	159.40	666.40	639.54	26.87	24.803	
5,300.00	5,254.94	5,261.25	5,254.94	17.11	10.54	169.36	101.60	159.40	683.47	656.01	27.46	24.889	
5,400.00	5,353.42	5,359.74	5,353.42	17.54	10.62	169.62	101.60	159.40	700.55	672.49	28.06	24.970	
5,500.00	5,451.90	5,458.22	5,451.90	17.97	10.71	169.87	101.60	159.40	717.64	688.99	28.65	25.047	
5,600.00	5,550.38	5,556.70	5,550.38	18.40	10.80	170.11	101.60	159.40	734.75	705.50	29.25	25.119	
5,624.17	5,574.18	5,580.50	5,574.18	18.50	10.82	170.17	101.60	159.40	738.89	709.50	29.39	25.143	
5,700.00	5,648.95	5,655.26	5,648.95	18.82	10.89	170.35	101.60	159.40	751.38	721.55	29.83	25.188	
5,800.00	5,747.78	5,754.10	5,747.78	19.24	10.97	170.57	101.60	159.40	766.37	735.95	30.42	25.195	
5,900.00	5,846.87	5,853.19	5,846.87	19.65	11.06	170.75	101.60	159.40	779.66	748.67	30.99	25.156	
6,000.00	5,946.18	5,952.50	5,946.18	20.05	11.15	170.91	101.60	159.40	791.25	759.70	31.55	25.077	
6,100.00	6,045.68	6,051.99	6,045.68	20.44	11.24	171.04	101.60	159.40	801.13	769.04	32.10	24.960	
6,200.00	6,145.33	6,151.65	6,145.33	20.81	11.32	171.14	101.60	159.40	809.30	776.68	32.62	24.809	
6,300.00	6,245.12	6,251.44	6,245.12	21.17	11.41	171.22	101.60	159.40	815.74	782.62	33.12	24.629	
6,400.00	6,345.00	6,351.32	6,345.00	21.50	11.50	171.28	101.60	159.40	820.47	786.88	33.59	24.425	
6,500.00	6,444.96	6,451.27	6,444.96	21.80	11.59	171.31	101.60	159.40	823.47	789.45	34.02	24.205	
6,600.00	6,544.95	6,551.26	6,544.95	22.04	11.68	171.33	101.60	159.40	824.75	790.37	34.38	23.990	
6,624.05	6,569.00	6,575.32	6,569.00	22.06	11.70	89.94	101.60	159.40	824.80	790.38	34.42	23.963	
6,700.00	6,644.95	6,651.26	6,644.95	22.08	11.76	89.94	101.60	159.40	824.80	790.31	34.49	23.914	
6,800.00	6,744.95	6,751.26	6,744.95	22.11	11.85	89.94	101.60	159.40	824.80	790.21	34.59	23.843	
6,900.00	6,844.95	6,851.26	6,844.95	22.15	11.94	89.94	101.60	159.40	824.80	790.10	34.70	23.772	
7,000.00	6,944.95	6,951.26	6,944.95	22.19	12.03	89.94	101.60	159.40	824.80	790.00	34.80	23.701	
7,100.00	7,044.95	7,051.26	7,044.95	22.22	12.11	89.94	101.60	159.40	824.80	789.89	34.91	23.630	
7,200.00	7,144.95	7,151.26	7,144.95	22.26	12.20	89.94	101.60	159.40	824.80	789.79	35.01	23.559	
7,300.00	7,244.95	7,251.26	7,244.95	22.30	12.29	89.94	101.60	159.40	824.80	789.68	35.12	23.488	
7,400.00	7,344.95	7,351.26	7,344.95	22.33	12.38	89.94	101.60	159.40	824.80	789.58	35.22	23.417	
7,500.00	7,444.95	7,451.26	7,444.95	22.37	12.46	89.94	101.60	159.40	824.80	789.47	35.33	23.347	
7,600.00	7,544.95	7,551.26	7,544.95	22.41	12.55	89.94	101.60	159.40	824.80	789.37	35.43	23.277	
7,700.00	7,644.95	7,651.26	7,644.95	22.44	12.64	89.94	101.60	159.40	824.80	789.26	35.54	23.206	
7,800.00	7,744.95	7,751.26	7,744.95	22.48	12.72	89.94	101.60	159.40	824.80	789.15	35.65	23.136	
7,900.00	7,844.95	7,851.26	7,844.95	22.52	12.81	89.94	101.60	159.40	824.80	789.04	35.76	23.066	
8,000.00	7,944.95	7,951.26	7,944.95	22.56	12.90	89.94	101.60	159.40	824.80	788.93	35.87	22.997	
8,100.00	8,044.95	8,051.26	8,044.95	22.60	12.98	89.94	101.60	159.40	824.80	788.83	35.97	22.927	
8,200.00	8,144.95	8,151.26	8,144.95	22.64	13.07	89.94	101.60	159.40	824.80	788.72	36.08	22.858	
8,300.00	8,244.95	8,251.26	8,244.95	22.67	13.16	89.94	101.60	159.40	824.80	788.61	36.19	22.789	
8,400.00	8,344.95	8,351.26	8,344.95	22.71	13.24	89.94	101.60	159.40	824.80	788.50	36.30	22.720	
8,500.00	8,444.95	8,451.26	8,444.95	22.75	13.33	89.94	101.60	159.40	824.80	788.39	36.41	22.651	
8,600.00	8,544.95	8,551.26	8,544.95	22.79	13.42	89.94	101.60	159.40	824.80	788.28	36.52	22.582	
8,700.00	8,644.95	8,651.26	8,644.95	22.83	13.50	89.94	101.60	159.40	824.80	788.17	36.64	22.514	
8,800.00	8,744.95	8,751.26	8,744.95	22.87	13.59	89.94	101.60	159.40	824.80	788.05	36.75	22.446	
8,900.00	8,844.95	8,851.26	8,844.95	22.91	13.67	89.94	101.60	159.40	824.80	787.94	36.86	22.377	
9,000.00	8,944.95	8,951.26	8,944.95	22.95	13.76	89.94	101.60	159.40	824.80	787.83	36.97	22.310	
9,100.00	9,044.95	9,051.26	9,044.95	22.99	13.85	89.94	101.60	159.40	824.80	787.72	37.08	22.242	
9,200.00	9,144.95	9,151.26	9,144.95	23.04	13.93	89.94	101.60	159.40	824.80	787.60	37.20	22.174	
9,300.00	9,244.95	9,251.26	9,244.95	23.08	14.02	89.94	101.60	159.40	824.80	787.49	37.31	22.107	
9,384.05	9,328.99	9,335.31	9,328.99	23.11	14.08	89.93	101.76	159.40	824.80	787.41	37.39	22.059	
9,400.00	9,344.95	9,351.24	9,344.91	23.12	14.09	89.89	102.44	159.40	824.80	787.40	37.40	22.052	
9,500.00	9,444.95	9,448.34	9,440.58	23.16	14.13	88.81	117.99	159.38	824.97	787.58	37.39	22.066	
9,600.00	9,544.95	9,535.96	9,522.64	23.20	14.19	86.70	148.37	159.35	826.42	789.16	37.26	22.182	
9,700.00	9,644.95	9,610.60	9,587.18	23.24	14.24	84.12	185.71	159.30	831.07	794.06	37.01	22.453	
9,800.00	9,744.95	9,675.00	9,637.62	23.29	14.28	81.39	225.68	159.26	840.93	804.23	36.70	22.914	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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			Rule Assigned:							
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside				Between	Between	No-Go	Separation	Warning		
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W		Centres	Ellipses	Distance	Factor			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)		(usft)	(usft)	(usft)				
9,900.00	9,844.95	9,725.00	9,672.80	23.33	14.32	78.99	261.17	159.21		857.52	821.15	36.37	23.576			
10,000.00	9,944.95	9,762.70	9,696.76	23.37	14.35	77.06	290.27	159.18		881.72	845.62	36.10	24.425			
10,100.00	10,044.95	9,800.00	9,718.14	23.41	14.37	75.06	320.82	159.14		913.83	877.94	35.89	25.465			
10,200.00	10,144.95	9,825.00	9,731.10	23.46	14.39	73.68	342.19	159.12		953.61	917.80	35.81	26.631			

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP2														Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9180-r.5 MWD+IFR1+SAG+FDIR														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Separation		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	1.00	0.00	0.00	0.01	95.37	-18.80	200.10	200.98						
100.00	100.00	101.00	100.00	0.77	0.77	95.37	-18.80	200.10	200.98	198.98	2.00	100.599			
200.00	200.00	201.00	200.00	1.44	1.44	95.37	-18.80	200.10	200.98	197.67	3.32	60.610			
300.00	300.00	301.00	300.00	1.88	1.89	95.37	-18.80	200.10	200.98	196.78	4.20	47.865			
400.00	400.00	401.00	400.00	2.25	2.25	95.37	-18.80	200.10	200.98	196.07	4.92	40.891			
500.00	500.00	501.00	500.00	2.56	2.56	95.37	-18.80	200.10	200.98	195.45	5.54	36.306			
600.00	600.00	601.00	600.00	2.84	2.85	95.37	-18.80	200.10	200.98	194.89	6.09	32.987			
700.00	700.00	701.00	700.00	3.10	3.11	95.37	-18.80	200.10	200.98	194.38	6.60	30.435			
800.00	800.00	801.00	800.00	3.34	3.35	95.37	-18.80	200.10	200.98	193.90	7.08	28.392			
900.00	900.00	901.00	900.00	3.57	3.57	95.37	-18.80	200.10	200.98	193.46	7.53	26.706			
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	95.37	-18.80	200.10	200.98	193.03	7.95	25.282			
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	95.37	-18.80	200.10	200.98	192.63	8.35	24.059			
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	95.37	-18.80	200.10	200.98	192.24	8.74	22.992			
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	95.37	-18.80	200.10	200.98	191.87	9.11	22.051			
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	95.37	-18.80	200.10	200.98	191.51	9.48	21.212			
1,500.00	1,500.00	1,501.00	1,500.00	4.74	4.74	95.37	-18.80	200.10	200.98	191.16	9.82	20.457			
1,600.00	1,600.00	1,601.00	1,600.00	4.91	4.91	95.37	-18.80	200.10	200.98	190.82	10.16	19.774			
1,700.00	1,700.00	1,701.00	1,700.00	5.08	5.08	95.37	-18.80	200.10	200.98	190.49	10.49	19.151			
1,800.00	1,800.00	1,801.00	1,800.00	5.24	5.24	95.37	-18.80	200.10	200.98	190.16	10.82	18.580			
1,900.00	1,900.00	1,901.00	1,900.00	5.40	5.40	95.37	-18.80	200.10	200.98	189.85	11.13	18.054			
2,000.00	2,000.00	2,001.07	2,000.07	5.56	5.56	95.37	-18.80	200.10	200.98	189.54	11.44	17.565			
2,100.00	2,099.98	2,108.56	2,107.53	5.79	5.81	176.71	-18.37	198.09	200.82	188.92	11.91	16.869			
2,200.00	2,199.84	2,216.03	2,214.83	6.01	6.05	176.60	-17.08	192.14	200.43	188.07	12.35	16.226			
2,300.00	2,299.45	2,323.48	2,321.79	6.26	6.32	176.41	-14.95	182.27	199.79	186.97	12.82	15.580			
2,400.00	2,398.70	2,430.88	2,428.26	6.52	6.61	176.14	-11.98	168.48	198.92	185.60	13.32	14.929			
2,499.94	2,497.41	2,538.18	2,534.02	6.80	6.89	175.79	-8.17	150.83	197.83	183.99	13.83	14.301			
2,600.00	2,595.95	2,640.72	2,634.54	7.04	7.13	175.37	-3.91	131.08	195.56	181.29	14.28	13.698			
2,700.00	2,694.43	2,740.68	2,732.50	7.29	7.39	174.95	0.30	111.60	193.10	178.29	14.80	13.045			
2,800.00	2,792.91	2,840.63	2,830.45	7.56	7.68	174.51	4.50	92.12	190.64	175.28	15.36	12.411			
2,900.00	2,891.39	2,940.59	2,928.40	7.84	7.98	174.06	8.70	72.64	188.19	172.24	15.95	11.797			
3,000.00	2,989.87	3,040.55	3,026.35	8.15	8.30	173.59	12.90	53.16	185.76	169.19	16.57	11.209			
3,100.00	3,088.35	3,140.51	3,124.31	8.46	8.63	173.12	17.11	33.68	183.34	166.12	17.22	10.648			
3,200.00	3,186.83	3,240.47	3,222.26	8.79	8.97	172.63	21.31	14.20	180.93	163.05	17.89	10.116			
3,300.00	3,285.31	3,340.43	3,320.21	9.13	9.33	172.13	25.51	-5.28	178.54	159.97	18.57	9.613			
3,400.00	3,383.80	3,440.39	3,418.16	9.48	9.69	171.62	29.71	-24.76	176.16	156.88	19.27	9.140			
3,500.00	3,482.28	3,540.35	3,516.12	9.84	10.06	171.09	33.92	-44.24	173.79	153.80	19.99	8.694			
3,600.00	3,580.76	3,640.31	3,614.07	10.21	10.44	170.55	38.12	-63.72	171.44	150.72	20.72	8.275			
3,700.00	3,679.24	3,740.27	3,712.02	10.58	10.83	169.99	42.32	-83.20	169.11	147.65	21.45	7.882			
3,800.00	3,777.72	3,840.22	3,809.97	10.96	11.23	169.42	46.53	-102.68	166.79	144.59	22.20	7.514			
3,900.00	3,876.20	3,940.18	3,907.93	11.35	11.63	168.83	50.73	-122.16	164.49	141.54	22.95	7.168			
4,000.00	3,974.68	4,040.14	4,005.88	11.74	12.03	168.22	54.93	-141.64	162.20	138.50	23.70	6.844			
4,100.00	4,073.16	4,140.10	4,103.83	12.13	12.44	167.60	59.13	-161.12	159.94	135.48	24.46	6.539			
4,200.00	4,171.64	4,240.06	4,201.78	12.53	12.86	166.96	63.34	-180.60	157.69	132.48	25.22	6.254			
4,300.00	4,270.13	4,340.02	4,299.74	12.93	13.28	166.30	67.54	-200.08	155.47	129.49	25.97	5.985			
4,400.00	4,368.61	4,439.98	4,397.69	13.34	13.70	165.62	71.74	-219.56	153.26	126.53	26.73	5.733			
4,500.00	4,467.09	4,539.94	4,495.64	13.75	14.12	164.92	75.95	-239.04	151.08	123.60	27.49	5.497			
4,600.00	4,565.57	4,639.90	4,593.59	14.16	14.55	164.21	80.15	-258.52	148.92	120.69	28.24	5.274			
4,700.00	4,664.05	4,739.86	4,691.55	14.58	14.98	163.47	84.35	-278.00	146.79	117.81	28.98	5.065			
4,800.00	4,762.53	4,839.81	4,789.50	15.00	15.41	162.71	88.55	-297.48	144.68	114.96	29.72	4.868			
4,900.00	4,861.01	4,939.77	4,887.45	15.42	15.85	161.92	92.76	-316.96	142.59	112.14	30.45	4.683			
5,000.00	4,959.49	5,039.73	4,985.40	15.84	16.28	161.12	96.96	-336.44	140.54	109.37	31.17	4.509			

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 703H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 9180-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
5,100.00	5,057.97	5,139.69	5,083.36	16.26	16.72	160.29	101.16	-355.92	138.51	106.63	31.88	4.344	
5,200.00	5,156.46	5,239.65	5,181.31	16.69	17.16	159.43	105.37	-375.40	136.51	103.93	32.58	4.190	
5,300.00	5,254.94	5,339.61	5,279.26	17.11	17.60	158.55	109.57	-394.88	134.55	101.28	33.27	4.044	
5,400.00	5,353.42	5,439.57	5,377.21	17.54	18.05	157.65	113.77	-414.36	132.61	98.68	33.94	3.908	
5,500.00	5,451.90	5,538.30	5,474.00	17.97	18.54	156.77	117.88	-433.39	130.91	96.25	34.66	3.777	
5,541.29	5,492.56	5,578.36	5,513.38	18.15	18.77	156.51	119.43	-440.59	130.72	95.71	35.01	3.734 CC	
5,600.00	5,550.38	5,635.33	5,569.50	18.40	19.05	156.30	121.49	-450.14	131.11	95.65	35.46	3.697 ES	
5,624.17	5,574.18	5,658.78	5,592.65	18.50	19.15	156.26	122.29	-453.83	131.49	95.86	35.63	3.690	
5,700.00	5,648.95	5,732.33	5,665.38	18.82	19.47	156.24	124.59	-464.50	133.11	96.92	36.19	3.678	
5,800.00	5,747.78	5,829.25	5,761.53	19.24	19.87	156.39	127.17	-476.47	135.81	98.88	36.93	3.677 SF	
5,900.00	5,846.87	5,926.09	5,857.87	19.65	20.25	156.72	129.24	-486.04	139.18	101.52	37.66	3.696	
6,000.00	5,946.18	6,022.81	5,954.30	20.05	20.61	157.20	130.79	-493.22	143.21	104.84	38.37	3.732	
6,100.00	6,045.68	6,119.38	6,050.74	20.44	20.94	157.83	131.82	-498.00	147.92	108.86	39.05	3.787	
6,200.00	6,145.33	6,215.78	6,147.11	20.81	21.20	158.58	132.33	-500.39	153.30	113.63	39.67	3.864	
6,300.00	6,245.12	6,313.78	6,245.12	21.17	21.28	159.39	132.40	-500.70	159.10	118.94	40.16	3.962	
6,400.00	6,345.00	6,413.67	6,345.00	21.50	21.31	160.00	132.40	-500.70	163.58	122.97	40.61	4.028	
6,500.00	6,444.96	6,513.62	6,444.96	21.80	21.35	160.37	132.40	-500.70	166.44	125.44	41.00	4.060	
6,600.00	6,544.95	6,613.61	6,544.95	22.04	21.39	160.52	132.40	-500.70	167.66	126.37	41.29	4.060	
6,624.05	6,569.00	6,637.67	6,569.00	22.06	21.40	79.14	132.40	-500.70	167.70	126.38	41.32	4.058	
6,700.00	6,644.95	6,713.61	6,644.95	22.08	21.43	79.14	132.40	-500.70	167.70	126.33	41.37	4.053	
6,800.00	6,744.95	6,813.61	6,744.95	22.11	21.47	79.14	132.40	-500.70	167.70	126.25	41.45	4.046	
6,900.00	6,844.95	6,913.61	6,844.95	22.15	21.50	79.14	132.40	-500.70	167.70	126.18	41.53	4.038	
7,000.00	6,944.95	7,013.61	6,944.95	22.19	21.54	79.14	132.40	-500.70	167.70	126.10	41.61	4.031	
7,100.00	7,044.95	7,113.61	7,044.95	22.22	21.58	79.14	132.40	-500.70	167.70	126.02	41.68	4.023	
7,200.00	7,144.95	7,213.61	7,144.95	22.26	21.62	79.14	132.40	-500.70	167.70	125.94	41.76	4.016	
7,300.00	7,244.95	7,313.61	7,244.95	22.30	21.66	79.14	132.40	-500.70	167.70	125.86	41.84	4.008	
7,400.00	7,344.95	7,413.61	7,344.95	22.33	21.70	79.14	132.40	-500.70	167.70	125.78	41.92	4.001	
7,500.00	7,444.95	7,513.61	7,444.95	22.37	21.74	79.14	132.40	-500.70	167.70	125.70	42.00	3.993	
7,600.00	7,544.95	7,613.61	7,544.95	22.41	21.78	79.14	132.40	-500.70	167.70	125.62	42.08	3.985	
7,700.00	7,644.95	7,713.61	7,644.95	22.44	21.82	79.14	132.40	-500.70	167.70	125.54	42.16	3.978	
7,800.00	7,744.95	7,813.61	7,744.95	22.48	21.86	79.14	132.40	-500.70	167.70	125.46	42.24	3.970	
7,900.00	7,844.95	7,913.61	7,844.95	22.52	21.90	79.14	132.40	-500.70	167.70	125.38	42.33	3.962	
8,000.00	7,944.95	8,013.61	7,944.95	22.56	21.94	79.14	132.40	-500.70	167.70	125.30	42.41	3.955	
8,100.00	8,044.95	8,113.61	8,044.95	22.60	21.99	79.14	132.40	-500.70	167.70	125.21	42.49	3.947	
8,200.00	8,144.95	8,213.61	8,144.95	22.64	22.03	79.14	132.40	-500.70	167.70	125.13	42.57	3.939	
8,300.00	8,244.95	8,313.61	8,244.95	22.67	22.07	79.14	132.40	-500.70	167.70	125.05	42.66	3.931	
8,400.00	8,344.95	8,413.61	8,344.95	22.71	22.11	79.14	132.40	-500.70	167.70	124.96	42.74	3.924	
8,500.00	8,444.95	8,513.61	8,444.95	22.75	22.15	79.14	132.40	-500.70	167.70	124.88	42.83	3.916	
8,600.00	8,544.95	8,613.61	8,544.95	22.79	22.20	79.14	132.40	-500.70	167.70	124.79	42.91	3.908	
8,700.00	8,644.95	8,713.61	8,644.95	22.83	22.24	79.14	132.40	-500.70	167.70	124.71	43.00	3.900	
8,800.00	8,744.95	8,813.61	8,744.95	22.87	22.28	79.14	132.40	-500.70	167.70	124.62	43.08	3.893	
8,900.00	8,844.95	8,913.61	8,844.95	22.91	22.32	79.14	132.40	-500.70	167.70	124.53	43.17	3.885	
9,000.00	8,944.95	9,013.61	8,944.95	22.95	22.37	79.14	132.40	-500.70	167.70	124.45	43.26	3.877	
9,100.00	9,044.95	9,113.61	9,044.95	22.99	22.41	79.14	132.40	-500.70	167.70	124.36	43.34	3.869	
9,100.33	9,045.27	9,113.94	9,045.27	22.99	22.41	79.14	132.40	-500.70	167.70	124.36	43.34	3.869	
9,200.00	9,144.95	9,211.51	9,142.82	23.04	22.43	78.80	133.43	-500.70	167.91	124.63	43.29	3.879	
9,300.00	9,244.95	9,302.62	9,232.62	23.08	22.44	74.00	148.01	-500.72	171.76	129.62	42.14	4.076	
9,400.00	9,344.95	9,385.54	9,310.60	23.12	22.45	65.49	175.87	-500.75	184.19	144.55	39.64	4.646	
9,500.00	9,444.95	9,457.14	9,373.21	23.16	22.46	56.32	210.49	-500.79	210.41	173.80	36.61	5.747	
9,600.00	9,544.95	9,517.05	9,421.13	23.20	22.47	48.51	246.37	-500.83	252.20	217.79	34.41	7.329	
9,700.00	9,644.95	9,566.44	9,457.01	23.24	22.49	42.51	280.28	-500.87	307.58	274.11	33.47	9.189	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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												Rule Assigned:	
Measured Depth		Vertical Depth		Offset		Semi Major Axis		Highside Toolface		Offset Wellbore Centre		Distance	
Depth (usft)	Reference	Depth (usft)	Offset	Depth (usft)	Reference	Offset	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)
9,800.00	9,744.95	9,607.06	9,483.76	23.29	22.50	38.07	310.82	-500.91	373.34	339.93	33.41	11.174	
9,900.00	9,844.95	9,640.58	9,503.83	23.33	22.52	34.77	337.68	-500.94	446.68	412.90	33.78	13.222	
10,000.00	9,944.95	9,668.47	9,519.05	23.37	22.53	32.29	361.04	-500.97	525.50	491.18	34.32	15.310	
10,100.00	10,044.95	9,691.89	9,530.75	23.41	22.54	30.37	381.32	-500.99	608.37	573.46	34.91	17.426	
10,200.00	10,144.95	9,711.74	9,539.89	23.46	22.55	28.87	398.94	-501.01	694.26	658.77	35.50	19.559	
10,300.00	10,244.95	9,725.00	9,545.58	23.50	22.56	27.93	410.92	-501.02	782.50	746.41	36.08	21.685	
10,329.59	10,274.54	9,733.28	9,548.97	23.50	22.57	27.36	418.47	-501.03	808.94	772.75	36.19	22.353	
10,350.00	10,294.94	9,736.45	9,550.23	23.50	22.57	25.11	421.39	-501.04	827.10	790.81	36.30	22.786	
10,375.00	10,319.88	9,740.62	9,551.86	23.51	22.57	22.71	425.22	-501.04	848.95	812.52	36.43	23.302	
10,400.00	10,344.69	9,750.00	9,555.40	23.51	22.58	20.52	433.90	-501.05	870.36	833.82	36.54	23.819	
10,425.00	10,369.31	9,750.00	9,555.40	23.51	22.58	19.00	433.90	-501.05	891.17	854.47	36.70	24.282	
10,450.00	10,393.67	9,750.00	9,555.40	23.51	22.58	17.68	433.90	-501.05	911.51	874.65	36.86	24.730	
10,475.00	10,417.71	9,759.84	9,558.93	23.52	22.59	16.31	443.09	-501.06	931.19	894.22	36.97	25.189	
10,500.00	10,441.35	9,765.20	9,560.78	23.52	22.59	15.24	448.12	-501.07	950.30	913.20	37.10	25.614	
10,525.00	10,464.54	9,775.00	9,564.00	23.52	22.60	14.24	457.38	-501.08	968.79	931.58	37.21	26.034	
10,550.00	10,487.20	9,775.00	9,564.00	23.52	22.60	13.51	457.38	-501.08	986.57	949.20	37.37	26.403	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP2													Offset Site Error: 0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 1500-r.5 MWD+IFR1, 9495-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Separation Factor	
0.00	0.00	1.00	0.00	0.00	0.01	100.94	-38.70	200.30	204.00				
100.00	100.00	101.00	100.00	0.77	0.77	100.94	-38.70	200.30	204.00	202.01	2.00	102.112	
200.00	200.00	201.00	200.00	1.44	1.44	100.94	-38.70	200.30	204.00	200.69	3.32	61.522	
300.00	300.00	301.00	300.00	1.88	1.89	100.94	-38.70	200.30	204.00	199.81	4.20	48.585	
400.00	400.00	401.00	400.00	2.25	2.25	100.94	-38.70	200.30	204.00	199.09	4.92	41.506	
500.00	500.00	501.00	500.00	2.56	2.56	100.94	-38.70	200.30	204.00	198.47	5.54	36.852	
600.00	600.00	601.00	600.00	2.84	2.85	100.94	-38.70	200.30	204.00	197.91	6.09	33.483	
700.00	700.00	701.00	700.00	3.10	3.11	100.94	-38.70	200.30	204.00	197.40	6.60	30.893	
800.00	800.00	801.00	800.00	3.34	3.35	100.94	-38.70	200.30	204.00	196.93	7.08	28.819	
900.00	900.00	901.00	900.00	3.57	3.57	100.94	-38.70	200.30	204.00	196.48	7.53	27.107	
1,000.00	1,000.00	1,001.00	1,000.00	3.79	3.79	100.94	-38.70	200.30	204.00	196.05	7.95	25.663	
1,100.00	1,100.00	1,101.00	1,100.00	3.99	3.99	100.94	-38.70	200.30	204.00	195.65	8.35	24.421	
1,200.00	1,200.00	1,201.00	1,200.00	4.19	4.19	100.94	-38.70	200.30	204.00	195.26	8.74	23.338	
1,300.00	1,300.00	1,301.00	1,300.00	4.38	4.38	100.94	-38.70	200.30	204.00	194.89	9.11	22.382	
1,400.00	1,400.00	1,401.00	1,400.00	4.56	4.56	100.94	-38.70	200.30	204.00	194.53	9.48	21.531	
1,500.00	1,500.00	1,501.07	1,500.07	4.74	4.74	100.94	-38.70	200.30	204.00	194.18	9.83	20.763	
1,600.00	1,600.00	1,607.86	1,606.83	4.91	5.02	101.19	-39.23	198.34	202.30	192.05	10.25	19.737	
1,700.00	1,700.00	1,714.35	1,713.15	5.08	5.30	101.96	-40.77	192.56	197.27	186.61	10.66	18.513	
1,800.00	1,800.00	1,820.25	1,818.59	5.24	5.60	103.32	-43.33	183.03	189.00	177.94	11.06	17.091	
1,900.00	1,900.00	1,925.28	1,922.72	5.40	5.91	105.42	-46.86	169.86	177.67	166.21	11.46	15.506	
2,000.00	2,000.00	2,029.18	2,025.17	5.56	6.25	108.52	-51.31	153.23	163.54	151.69	11.85	13.803	
2,100.00	2,099.98	2,132.02	2,125.91	5.79	6.60	-165.82	-56.67	133.23	148.75	136.47	12.28	12.114	
2,200.00	2,199.84	2,234.08	2,225.07	6.01	6.96	-160.13	-62.91	109.95	135.58	122.91	12.67	10.703	
2,300.00	2,299.45	2,335.32	2,322.54	6.26	7.32	-152.85	-70.00	83.50	124.78	111.80	12.98	9.613	
2,400.00	2,398.70	2,434.45	2,417.16	6.52	7.63	-144.34	-77.64	54.96	117.67	104.47	13.20	8.917	
2,499.94	2,497.41	2,535.01	2,513.08	6.80	7.96	-136.06	-84.85	25.65	115.37	101.96	13.41	8.602	
2,600.00	2,595.95	2,637.72	2,611.09	7.04	8.32	-128.71	-88.90	-4.80	113.60	99.96	13.65	8.324	
2,700.00	2,694.43	2,737.79	2,706.52	7.29	8.67	-121.79	-90.25	-34.85	111.14	97.27	13.86	8.016	
2,800.00	2,792.91	2,836.84	2,800.99	7.56	9.06	-114.75	-91.46	-64.61	110.22	96.09	14.14	7.796	
2,804.45	2,797.29	2,841.24	2,805.19	7.57	9.08	-114.43	-91.51	-65.93	110.22	96.07	14.15	7.788 CC, ES	
2,900.00	2,891.39	2,935.89	2,895.45	7.84	9.46	-107.70	-92.66	-94.37	111.02	96.56	14.46	7.678	
3,000.00	2,989.87	3,034.93	2,989.91	8.15	9.86	-100.85	-93.87	-124.13	113.49	98.64	14.85	7.640 SF	
3,100.00	3,088.35	3,133.98	3,084.38	8.46	10.28	-94.37	-95.08	-153.89	117.53	102.19	15.34	7.660	
3,200.00	3,186.83	3,233.03	3,178.84	8.79	10.70	-88.39	-96.28	-183.65	122.98	107.05	15.93	7.720	
3,300.00	3,285.31	3,332.08	3,273.31	9.13	11.14	-82.96	-97.49	-213.42	129.67	113.06	16.61	7.807	
3,400.00	3,383.80	3,431.13	3,367.77	9.48	11.57	-78.09	-98.70	-243.18	137.42	120.06	17.36	7.916	
3,500.00	3,482.28	3,530.18	3,462.24	9.84	12.02	-73.77	-99.90	-272.94	146.05	127.88	18.17	8.040	
3,600.00	3,580.76	3,629.23	3,556.70	10.21	12.46	-69.94	-101.11	-302.70	155.42	136.41	19.01	8.175	
3,700.00	3,679.24	3,728.28	3,651.17	10.58	12.92	-66.56	-102.32	-332.46	165.41	145.52	19.89	8.318	
3,800.00	3,777.72	3,827.33	3,745.63	10.96	13.37	-63.57	-103.52	-362.22	175.91	155.13	20.78	8.466	
3,900.00	3,876.20	3,926.38	3,840.09	11.35	13.83	-60.92	-104.73	-391.99	186.83	165.14	21.68	8.616	
4,000.00	3,974.68	4,025.43	3,934.56	11.74	14.30	-58.56	-105.94	-421.75	198.10	175.51	22.59	8.767	
4,100.00	4,073.16	4,124.48	4,029.02	12.13	14.76	-56.46	-107.15	-451.51	209.67	186.16	23.51	8.918	
4,200.00	4,171.64	4,223.53	4,123.49	12.53	15.23	-54.58	-108.35	-481.27	221.49	197.06	24.43	9.065	
4,300.00	4,270.13	4,322.57	4,217.95	12.93	15.70	-52.89	-109.56	-511.03	233.52	208.17	25.35	9.210	
4,400.00	4,368.61	4,421.62	4,312.42	13.34	16.18	-51.37	-110.77	-540.79	245.74	219.46	26.28	9.352	
4,500.00	4,467.09	4,520.67	4,406.88	13.75	16.65	-49.99	-111.97	-570.55	258.11	230.91	27.20	9.489	
4,600.00	4,565.57	4,619.72	4,501.35	14.16	17.13	-48.74	-113.18	-600.32	270.61	242.49	28.12	9.622	
4,700.00	4,664.05	4,718.77	4,595.81	14.58	17.61	-47.60	-114.39	-630.08	283.23	254.18	29.05	9.750	
4,800.00	4,762.53	4,817.82	4,690.28	15.00	18.09	-46.56	-115.59	-659.84	295.95	265.98	29.97	9.874	
4,900.00	4,861.01	4,916.87	4,784.74	15.42	18.58	-45.60	-116.80	-689.60	308.76	277.86	30.90	9.993	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 1500-r.5 MWD+IFR1, 9495-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Rule Assigned:												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	
5,000.00	4,959.49	5,015.92	4,879.20	15.84	19.06	-44.72	-118.01	-719.36	321.65	289.83	31.82	10.108	
5,100.00	5,057.97	5,114.97	4,973.67	16.26	19.54	-43.90	-119.21	-749.12	334.61	301.86	32.74	10.219	
5,200.00	5,156.46	5,214.02	5,068.13	16.69	20.03	-43.15	-120.42	-778.88	347.62	313.96	33.67	10.325	
5,300.00	5,254.94	5,313.07	5,162.60	17.11	20.52	-42.45	-121.63	-808.65	360.70	326.11	34.59	10.428	
5,400.00	5,353.42	5,412.12	5,257.06	17.54	21.01	-41.80	-122.83	-838.41	373.82	338.31	35.51	10.526	
5,500.00	5,451.90	5,511.17	5,351.53	17.97	21.50	-41.20	-124.04	-868.17	386.99	350.55	36.44	10.620	
5,600.00	5,550.38	5,610.21	5,445.99	18.40	21.99	-40.63	-125.25	-897.93	400.19	362.83	37.36	10.711	
5,624.17	5,574.18	5,634.15	5,468.82	18.50	22.11	-40.50	-125.54	-905.12	403.39	365.81	37.58	10.735	
5,700.00	5,648.95	5,709.20	5,540.39	18.82	22.48	-40.13	-126.45	-927.67	413.81	375.54	38.28	10.811	
5,800.00	5,747.78	5,807.95	5,634.57	19.24	22.97	-39.54	-127.66	-957.34	428.77	389.54	39.23	10.930	
5,900.00	5,846.87	5,906.43	5,728.49	19.65	23.46	-38.87	-128.86	-986.93	445.12	404.92	40.20	11.073	
6,000.00	5,946.18	6,004.60	5,822.12	20.05	23.95	-38.12	-130.05	-1,016.43	462.90	421.72	41.18	11.241	
6,100.00	6,045.68	6,102.45	5,915.44	20.44	24.44	-37.32	-131.24	-1,045.83	482.14	439.97	42.17	11.433	
6,200.00	6,145.33	6,199.93	6,008.41	20.81	24.93	-36.48	-132.43	-1,075.12	502.87	459.70	43.16	11.650	
6,300.00	6,245.12	6,301.76	6,105.57	21.17	25.42	-35.56	-133.67	-1,105.59	525.00	480.82	44.18	11.882	
6,400.00	6,345.00	6,419.29	6,218.68	21.50	26.02	-34.60	-134.96	-1,137.48	546.08	500.77	45.31	12.052	
6,500.00	6,444.96	6,538.53	6,334.66	21.80	26.61	-33.77	-136.08	-1,165.07	564.96	518.65	46.31	12.200	
6,600.00	6,544.95	6,659.32	6,453.23	22.04	27.19	-33.06	-137.01	-1,188.08	581.55	534.39	47.16	12.330	
6,624.05	6,569.00	6,688.59	6,482.10	22.06	27.32	-114.28	-137.21	-1,192.90	585.20	537.87	47.33	12.364	
6,700.00	6,644.95	6,781.57	6,574.11	22.08	27.74	-113.80	-137.75	-1,206.26	595.36	547.59	47.76	12.465	
6,800.00	6,744.95	6,905.17	6,697.00	22.11	28.26	-113.34	-138.28	-1,219.38	605.27	557.06	48.21	12.554	
6,900.00	6,844.95	7,029.68	6,821.25	22.15	28.71	-113.08	-138.60	-1,227.24	611.18	562.69	48.49	12.605	
7,000.00	6,944.95	7,153.41	6,944.95	22.19	29.00	-113.00	-138.70	-1,229.70	613.02	564.52	48.50	12.639	
7,100.00	7,044.95	7,253.41	7,044.95	22.22	29.02	-113.00	-138.70	-1,229.70	613.02	564.47	48.56	12.625	
7,200.00	7,144.95	7,353.41	7,144.95	22.26	29.04	-113.00	-138.70	-1,229.70	613.02	564.40	48.62	12.609	
7,300.00	7,244.95	7,453.41	7,244.95	22.30	29.07	-113.00	-138.70	-1,229.70	613.02	564.34	48.68	12.592	
7,400.00	7,344.95	7,553.41	7,344.95	22.33	29.09	-113.00	-138.70	-1,229.70	613.02	564.27	48.75	12.575	
7,500.00	7,444.95	7,653.41	7,444.95	22.37	29.12	-113.00	-138.70	-1,229.70	613.02	564.21	48.81	12.559	
7,600.00	7,544.95	7,753.41	7,544.95	22.41	29.14	-113.00	-138.70	-1,229.70	613.02	564.14	48.88	12.542	
7,700.00	7,644.95	7,853.41	7,644.95	22.44	29.17	-113.00	-138.70	-1,229.70	613.02	564.08	48.94	12.525	
7,800.00	7,744.95	7,953.41	7,744.95	22.48	29.19	-113.00	-138.70	-1,229.70	613.02	564.01	49.01	12.508	
7,900.00	7,844.95	8,053.41	7,844.95	22.52	29.22	-113.00	-138.70	-1,229.70	613.02	563.94	49.08	12.491	
8,000.00	7,944.95	8,153.41	7,944.95	22.56	29.24	-113.00	-138.70	-1,229.70	613.02	563.88	49.14	12.474	
8,100.00	8,044.95	8,253.41	8,044.95	22.60	29.27	-113.00	-138.70	-1,229.70	613.02	563.81	49.21	12.457	
8,200.00	8,144.95	8,353.41	8,144.95	22.64	29.30	-113.00	-138.70	-1,229.70	613.02	563.74	49.28	12.440	
8,300.00	8,244.95	8,453.41	8,244.95	22.67	29.32	-113.00	-138.70	-1,229.70	613.02	563.67	49.35	12.423	
8,400.00	8,344.95	8,553.41	8,344.95	22.71	29.35	-113.00	-138.70	-1,229.70	613.02	563.61	49.42	12.405	
8,500.00	8,444.95	8,653.41	8,444.95	22.75	29.38	-113.00	-138.70	-1,229.70	613.02	563.54	49.49	12.388	
8,600.00	8,544.95	8,753.41	8,544.95	22.79	29.41	-113.00	-138.70	-1,229.70	613.02	563.47	49.55	12.371	
8,700.00	8,644.95	8,853.41	8,644.95	22.83	29.43	-113.00	-138.70	-1,229.70	613.02	563.40	49.62	12.353	
8,800.00	8,744.95	8,953.41	8,744.95	22.87	29.46	-113.00	-138.70	-1,229.70	613.02	563.33	49.70	12.336	
8,900.00	8,844.95	9,053.41	8,844.95	22.91	29.49	-113.00	-138.70	-1,229.70	613.02	563.25	49.77	12.318	
9,000.00	8,944.95	9,153.41	8,944.95	22.95	29.52	-113.00	-138.70	-1,229.70	613.02	563.18	49.84	12.300	
9,100.00	9,044.95	9,253.41	9,044.95	22.99	29.55	-113.00	-138.70	-1,229.70	613.02	563.11	49.91	12.283	
9,200.00	9,144.95	9,353.41	9,144.95	23.04	29.57	-113.00	-138.70	-1,229.70	613.02	563.04	49.98	12.265	
9,300.00	9,244.95	9,453.41	9,244.95	23.08	29.60	-113.00	-138.70	-1,229.70	613.02	562.97	50.05	12.248	
9,400.00	9,344.95	9,616.57	9,406.74	23.12	29.62	-111.63	-122.80	-1,229.42	609.87	560.51	49.35	12.357	
9,500.00	9,444.95	9,785.58	9,559.15	23.16	29.64	-105.18	-51.84	-1,228.18	594.20	544.87	49.33	12.045	
9,600.00	9,544.95	9,899.48	9,643.67	23.20	29.66	-97.78	24.09	-1,226.86	575.21	524.72	50.49	11.394	
9,700.00	9,644.95	9,973.54	9,687.97	23.24	29.68	-91.78	83.34	-1,225.82	562.34	510.31	52.04	10.807	
9,759.02	9,703.97	10,005.14	9,703.97	23.27	29.69	-89.00	110.57	-1,225.35	560.03	507.16	52.88	10.591	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 704H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 1500-r.5 MWD+IFR1, 9495-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		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	
9,800.00	9,744.95	10,023.34	9,712.36	23.29	29.70	-87.35	126.72	-1,225.07	561.21	507.85	53.36	10.517	
9,900.00	9,844.95	10,058.40	9,726.76	23.33	29.72	-84.09	158.68	-1,224.51	574.39	520.28	54.11	10.615	
10,000.00	9,944.95	10,084.18	9,735.83	23.37	29.74	-81.65	182.80	-1,224.09	602.15	547.96	54.19	11.112	
10,100.00	10,044.95	10,100.00	9,740.75	23.41	29.75	-80.14	197.83	-1,223.83	643.26	589.51	53.76	11.966	
10,200.00	10,144.95	10,125.00	9,747.50	23.46	29.76	-77.76	221.90	-1,223.41	695.70	642.75	52.95	13.140	
10,300.00	10,244.95	10,131.64	9,749.08	23.50	29.77	-77.12	228.35	-1,223.29	757.23	705.14	52.09	14.536	
10,329.59	10,274.54	10,134.86	9,749.81	23.50	29.77	-76.82	231.48	-1,223.24	776.92	724.91	52.01	14.938	
10,350.00	10,294.94	10,137.16	9,750.32	23.50	29.77	-74.34	233.73	-1,223.20	790.76	738.93	51.83	15.257	
10,375.00	10,319.88	10,140.39	9,751.02	23.51	29.78	-71.37	236.88	-1,223.14	807.84	756.22	51.62	15.650	
10,400.00	10,344.69	10,150.00	9,752.98	23.51	29.78	-67.90	246.29	-1,222.98	825.05	773.65	51.40	16.052	
10,425.00	10,369.31	10,150.00	9,752.98	23.51	29.78	-65.31	246.29	-1,222.98	842.17	790.95	51.22	16.442	
10,450.00	10,393.67	10,150.00	9,752.98	23.51	29.78	-62.78	246.29	-1,222.98	859.28	808.23	51.05	16.831	
10,475.00	10,417.71	10,150.00	9,752.98	23.52	29.78	-60.31	246.29	-1,222.98	876.35	825.45	50.90	17.218	
10,500.00	10,441.35	10,162.04	9,755.16	23.52	29.79	-57.16	258.12	-1,222.77	893.13	842.41	50.72	17.608	
10,525.00	10,464.54	10,167.28	9,756.01	23.52	29.80	-54.63	263.29	-1,222.68	909.76	859.18	50.57	17.988	
10,550.00	10,487.20	10,175.00	9,757.17	23.52	29.80	-52.12	270.92	-1,222.55	926.14	875.70	50.43	18.364	
10,575.00	10,509.28	10,175.00	9,757.17	23.53	29.80	-50.16	270.92	-1,222.55	942.21	891.89	50.32	18.724	
10,600.00	10,530.72	10,184.44	9,758.42	23.53	29.81	-47.88	280.28	-1,222.39	957.91	907.72	50.20	19.083	
10,625.00	10,551.46	10,190.58	9,759.13	23.53	29.82	-45.92	286.38	-1,222.28	973.24	923.15	50.09	19.429	
10,650.00	10,571.43	10,200.00	9,760.07	23.54	29.83	-43.98	295.75	-1,222.12	988.16	938.17	49.99	19.768	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2													Offset Site Error: 0.00 usft	
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR													Offset Well Error: 0.00 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
0.00	0.00	0.10	0.00	0.00	0.00	179.52	-60.00	0.50	60.00					
100.00	100.00	100.10	100.00	0.77	0.77	179.52	-60.00	0.50	60.00	58.01	1.99	30.123		
200.00	200.00	200.10	200.00	1.44	1.44	179.52	-60.00	0.50	60.00	56.69	3.31	18.117		
300.00	300.00	300.10	300.00	1.88	1.88	179.52	-60.00	0.50	60.00	55.81	4.20	14.301		
400.00	400.00	400.10	400.00	2.25	2.25	179.52	-60.00	0.50	60.00	55.09	4.91	12.215		
500.00	500.00	500.10	500.00	2.56	2.56	179.52	-60.00	0.50	60.00	54.47	5.53	10.844		
600.00	600.00	600.10	600.00	2.84	2.84	179.52	-60.00	0.50	60.00	53.91	6.09	9.852		
700.00	700.00	700.10	700.00	3.10	3.10	179.52	-60.00	0.50	60.00	53.40	6.60	9.089		
800.00	800.00	800.10	800.00	3.34	3.34	179.52	-60.00	0.50	60.00	52.93	7.08	8.479		
900.00	900.00	900.10	900.00	3.57	3.57	179.52	-60.00	0.50	60.00	52.48	7.52	7.975		
1,000.00	1,000.00	1,000.10	1,000.00	3.79	3.79	179.52	-60.00	0.50	60.00	52.05	7.95	7.550		
1,100.00	1,100.00	1,100.10	1,100.00	3.99	3.99	179.52	-60.00	0.50	60.00	51.65	8.35	7.184		
1,200.00	1,200.00	1,200.10	1,200.00	4.19	4.19	179.52	-60.00	0.50	60.00	51.26	8.74	6.866		
1,300.00	1,300.00	1,300.10	1,300.00	4.38	4.38	179.52	-60.00	0.50	60.00	50.89	9.11	6.584		
1,400.00	1,400.00	1,400.10	1,400.00	4.56	4.56	179.52	-60.00	0.50	60.00	50.53	9.47	6.334		
1,500.00	1,500.00	1,500.10	1,500.00	4.74	4.74	179.52	-60.00	0.50	60.00	50.18	9.82	6.108		
1,600.00	1,600.00	1,600.10	1,600.00	4.91	4.91	179.52	-60.00	0.50	60.00	49.84	10.16	5.904		
1,700.00	1,700.00	1,700.10	1,700.00	5.08	5.08	179.52	-60.00	0.50	60.00	49.51	10.49	5.718		
1,800.00	1,800.00	1,800.10	1,800.00	5.24	5.24	179.52	-60.00	0.50	60.00	49.19	10.82	5.548		
1,900.00	1,900.00	1,900.10	1,900.00	5.40	5.40	179.52	-60.00	0.50	60.00	48.87	11.13	5.391		
2,000.00	2,000.00	2,000.10	2,000.00	5.56	5.56	179.52	-60.00	0.50	60.00	48.56	11.44	5.245 CC, ES		
2,100.00	2,099.98	2,100.08	2,099.98	5.79	5.70	-100.72	-60.00	0.50	60.30	48.58	11.72	5.144		
2,200.00	2,199.84	2,199.94	2,199.84	6.01	5.83	-105.49	-60.00	0.50	61.49	49.51	11.99	5.131 SF		
2,300.00	2,299.45	2,299.55	2,299.45	6.26	5.95	-112.91	-60.00	0.50	64.37	52.11	12.27	5.247		
2,400.00	2,398.70	2,398.80	2,398.70	6.52	6.08	-121.98	-60.00	0.50	70.04	57.45	12.60	5.560		
2,499.94	2,497.41	2,497.51	2,497.41	6.80	6.20	-131.38	-60.00	0.50	79.49	66.50	12.99	6.120		
2,600.00	2,595.95	2,594.31	2,594.20	7.04	6.39	-140.14	-59.81	2.04	92.88	79.47	13.41	6.925		
2,700.00	2,694.43	2,689.72	2,689.48	7.29	6.59	-147.83	-59.22	6.73	110.13	96.26	13.87	7.941		
2,800.00	2,792.91	2,783.63	2,783.07	7.56	6.79	-154.28	-58.25	14.42	131.28	116.93	14.35	9.150		
2,900.00	2,891.39	2,875.89	2,874.71	7.84	7.01	-159.56	-56.94	24.93	156.21	141.37	14.84	10.526		
3,000.00	2,989.87	2,966.35	2,964.19	8.15	7.25	-163.86	-55.29	38.08	184.73	169.39	15.34	12.043		
3,100.00	3,088.35	3,054.89	3,051.33	8.46	7.49	-167.35	-53.33	53.66	216.66	200.81	15.84	13.675		
3,200.00	3,186.83	3,144.72	3,139.27	8.79	7.73	-170.28	-51.05	71.84	251.49	235.13	16.37	15.364		
3,300.00	3,285.31	3,237.58	3,230.09	9.13	7.96	-172.61	-48.65	91.00	287.16	270.23	16.93	16.959		
3,400.00	3,383.80	3,330.43	3,320.92	9.48	8.20	-174.43	-46.25	110.15	323.15	305.63	17.52	18.448		
3,500.00	3,482.28	3,423.29	3,411.75	9.84	8.46	-175.89	-43.85	129.31	359.37	341.25	18.12	19.831		
3,600.00	3,580.76	3,516.14	3,502.57	10.21	8.74	-177.08	-41.45	148.46	395.76	377.01	18.75	21.112		
3,700.00	3,679.24	3,609.00	3,593.40	10.58	9.03	-178.08	-39.04	167.62	432.27	412.89	19.39	22.296		
3,800.00	3,777.72	3,701.85	3,684.23	10.96	9.33	-178.92	-36.64	186.77	468.88	448.83	20.05	23.390		
3,900.00	3,876.20	3,794.71	3,775.05	11.35	9.64	-179.63	-34.24	205.92	505.56	484.84	20.72	24.400		
4,000.00	3,974.68	3,887.56	3,865.88	11.74	9.96	179.75	-31.84	225.08	542.31	520.90	21.41	25.333		
4,100.00	4,073.16	3,980.42	3,956.71	12.13	10.30	179.20	-29.44	244.23	579.10	556.99	22.11	26.195		
4,200.00	4,171.64	4,073.27	4,047.53	12.53	10.63	178.73	-27.03	263.39	615.93	593.11	22.82	26.993		
4,300.00	4,270.13	4,166.13	4,138.36	12.93	10.98	178.30	-24.63	282.54	652.79	629.25	23.54	27.731		
4,400.00	4,368.61	4,258.99	4,229.18	13.34	11.33	177.93	-22.23	301.70	689.68	665.41	24.27	28.416		
4,500.00	4,467.09	4,351.84	4,320.01	13.75	11.69	177.59	-19.83	320.85	726.59	701.58	25.01	29.052		
4,600.00	4,565.57	4,444.70	4,410.84	14.16	12.06	177.28	-17.43	340.01	763.53	737.77	25.76	29.642		
4,700.00	4,664.05	4,537.55	4,501.66	14.58	12.43	177.00	-15.02	359.16	800.48	773.97	26.51	30.192		
4,800.00	4,762.53	4,630.41	4,592.49	15.00	12.80	176.74	-12.62	378.32	837.44	810.17	27.27	30.705		
4,900.00	4,861.01	4,723.26	4,683.32	15.42	13.18	176.51	-10.22	397.47	874.42	846.38	28.04	31.183		
5,000.00	4,959.49	4,816.12	4,774.14	15.84	13.56	176.30	-7.82	416.63	911.41	882.60	28.81	31.630		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design:	TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 901H - OWB - PWP2											Offset Site Error:	0.00 usft
Survey Program:	0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10146-r.5 MWD+IFR1+SAG+FDIR											Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance			Rule Assigned:				
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
5,100.00	5,057.97	4,908.97	4,864.97	16.26	13.95	176.10	-5.42	435.78	948.41	918.82	29.59	32.048	
5,200.00	5,156.46	5,001.83	4,955.80	16.69	14.33	175.92	-3.02	454.94	985.42	955.05	30.38	32.440	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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: Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	179.57	-40.00	0.30	40.00					
100.00	100.00	100.00	100.00	0.77	0.77	179.57	-40.00	0.30	40.00	38.01	1.99	20.089		
200.00	200.00	200.00	200.00	1.44	1.44	179.57	-40.00	0.30	40.00	36.69	3.31	12.079		
300.00	300.00	300.00	300.00	1.88	1.88	179.57	-40.00	0.30	40.00	35.81	4.20	9.535		
400.00	400.00	400.00	400.00	2.25	2.25	179.57	-40.00	0.30	40.00	35.09	4.91	8.144		
500.00	500.00	500.00	500.00	2.56	2.56	179.57	-40.00	0.30	40.00	34.47	5.53	7.230		
600.00	600.00	600.00	600.00	2.84	2.84	179.57	-40.00	0.30	40.00	33.91	6.09	6.568		
700.00	700.00	700.00	700.00	3.10	3.10	179.57	-40.00	0.30	40.00	33.40	6.60	6.060		
800.00	800.00	800.00	800.00	3.34	3.34	179.57	-40.00	0.30	40.00	32.92	7.08	5.653		
900.00	900.00	900.00	900.00	3.57	3.57	179.57	-40.00	0.30	40.00	32.48	7.52	5.317		
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	179.57	-40.00	0.30	40.00	32.05	7.95	5.033		
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	179.57	-40.00	0.30	40.00	31.65	8.35	4.790		
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	179.57	-40.00	0.30	40.00	31.26	8.74	4.577		
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	179.57	-40.00	0.30	40.00	30.89	9.11	4.390		
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	179.57	-40.00	0.30	40.00	30.53	9.47	4.223		
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	179.57	-40.00	0.30	40.00	30.18	9.82	4.072		
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	179.57	-40.00	0.30	40.00	29.84	10.16	3.936		
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	179.57	-40.00	0.30	40.00	29.51	10.49	3.812		
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	179.57	-40.00	0.30	40.00	29.19	10.82	3.698		
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	179.57	-40.00	0.30	40.00	28.87	11.13	3.594		
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	179.57	-40.00	0.30	40.00	28.56	11.44	3.497		
2,100.00	2,099.98	2,100.34	2,100.34	5.79	5.70	-102.57	-39.50	1.02	39.85	28.13	11.72	3.400		
2,121.40	2,121.36	2,121.79	2,121.78	5.83	5.73	-104.25	-39.26	1.36	39.84	28.06	11.78	3.382 CC, ES		
2,200.00	2,199.84	2,200.37	2,200.33	6.01	5.84	-113.07	-37.99	3.17	40.32	28.32	12.00	3.359 SF		
2,300.00	2,299.45	2,299.77	2,299.64	6.26	5.99	-128.91	-35.50	6.72	43.90	31.56	12.34	3.557		
2,400.00	2,398.70	2,398.23	2,397.91	6.52	6.17	-145.53	-32.07	11.63	53.39	40.61	12.78	4.179		
2,499.94	2,497.41	2,495.41	2,494.79	6.80	6.35	-158.82	-27.72	17.83	69.88	56.61	13.26	5.269		
2,600.00	2,595.95	2,589.60	2,588.55	7.04	6.57	-167.39	-23.66	25.80	92.33	78.63	13.70	6.740		
2,700.00	2,694.43	2,682.17	2,680.49	7.29	6.80	-172.25	-21.07	36.29	119.11	104.97	14.14	8.426		
2,800.00	2,792.91	2,775.92	2,773.35	7.56	7.02	-175.15	-19.57	49.07	148.84	134.25	14.59	10.204		
2,900.00	2,891.39	2,871.11	2,867.61	7.84	7.26	-177.10	-18.16	62.24	179.03	163.93	15.10	11.858		
3,000.00	2,989.87	2,966.29	2,961.87	8.15	7.52	-178.49	-16.74	75.42	209.36	193.72	15.64	13.386		
3,100.00	3,088.35	3,061.48	3,056.13	8.46	7.80	-179.53	-15.33	88.59	239.77	223.56	16.21	14.793		
3,200.00	3,186.83	3,156.66	3,150.39	8.79	8.08	-179.67	-13.92	101.76	270.23	253.43	16.80	16.086		
3,300.00	3,285.31	3,251.85	3,244.65	9.13	8.38	-179.03	-12.50	114.93	300.73	283.32	17.41	17.272		
3,400.00	3,383.80	3,347.04	3,338.91	9.48	8.68	-178.51	-11.09	128.10	331.26	313.22	18.04	18.360		
3,500.00	3,482.28	3,442.22	3,433.17	9.84	9.00	-178.07	-9.67	141.27	361.82	343.13	18.69	19.358		
3,600.00	3,580.76	3,537.41	3,527.42	10.21	9.32	-177.70	-8.26	154.45	392.38	373.03	19.35	20.274		
3,700.00	3,679.24	3,632.59	3,621.68	10.58	9.65	-177.39	-6.84	167.62	422.97	402.93	20.03	21.116		
3,800.00	3,777.72	3,727.78	3,715.94	10.96	9.98	-177.12	-5.43	180.79	453.56	432.84	20.72	21.890		
3,900.00	3,876.20	3,822.96	3,810.20	11.35	10.32	-176.88	-4.02	193.96	484.15	462.73	21.42	22.602		
4,000.00	3,974.68	3,918.15	3,904.46	11.74	10.67	-176.67	-2.60	207.13	514.76	492.63	22.13	23.260		
4,100.00	4,073.16	4,013.34	3,998.72	12.13	11.02	-176.49	-1.19	220.31	545.37	522.52	22.85	23.867		
4,200.00	4,171.64	4,108.52	4,092.98	12.53	11.37	-176.32	0.23	233.48	575.98	552.41	23.58	24.428		
4,300.00	4,270.13	4,203.71	4,187.24	12.93	11.73	-176.17	1.64	246.65	606.60	582.29	24.31	24.949		
4,400.00	4,368.61	4,298.89	4,281.50	13.34	12.09	-176.04	3.06	259.82	637.23	612.17	25.06	25.432		
4,500.00	4,467.09	4,397.76	4,379.42	13.75	12.44	-175.91	4.52	273.41	667.77	641.97	25.81	25.876		
4,600.00	4,565.57	4,506.07	4,486.88	14.16	12.85	-175.81	5.95	286.79	696.99	670.33	26.66	26.145		
4,700.00	4,664.05	4,615.59	4,595.79	14.58	13.25	-175.75	7.18	298.27	724.42	696.91	27.50	26.339		
4,800.00	4,762.53	4,726.25	4,706.04	15.00	13.64	-175.72	8.20	307.76	750.02	721.68	28.34	26.466		
4,900.00	4,861.01	4,838.00	4,817.54	15.42	14.02	-175.73	9.00	315.19	773.78	744.62	29.16	26.537		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		No-Go		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor		
5,000.00	4,959.49	4,950.76	4,930.17	15.84	14.38	175.76	9.57	320.49	795.66	765.70	29.95	26.562	
5,100.00	5,057.97	5,064.45	5,043.82	16.26	14.70	175.83	9.90	323.61	815.64	784.93	30.71	26.556	
5,200.00	5,156.46	5,177.10	5,156.46	16.69	14.88	175.92	10.00	324.50	833.71	802.38	31.34	26.603	
5,300.00	5,254.94	5,275.58	5,254.94	17.11	14.92	176.00	10.00	324.50	851.04	819.21	31.83	26.740	
5,400.00	5,353.42	5,374.06	5,353.42	17.54	14.97	176.08	10.00	324.50	868.36	836.03	32.33	26.861	
5,500.00	5,451.90	5,472.54	5,451.90	17.97	15.03	176.16	10.00	324.50	885.68	852.85	32.83	26.975	
5,600.00	5,550.38	5,571.02	5,550.38	18.40	15.08	176.23	10.00	324.50	903.01	869.66	33.34	27.081	
5,624.17	5,574.18	5,594.82	5,574.18	18.50	15.09	176.25	10.00	324.50	907.20	873.73	33.46	27.112	
5,700.00	5,648.95	5,669.59	5,648.95	18.82	15.13	176.31	10.00	324.50	919.84	886.00	33.84	27.180	
5,800.00	5,747.78	5,768.42	5,747.78	19.24	15.18	176.38	10.00	324.50	935.01	900.66	34.35	27.220	
5,900.00	5,846.87	5,867.51	5,846.87	19.65	15.24	176.44	10.00	324.50	948.45	913.60	34.85	27.215	
6,000.00	5,946.18	5,966.82	5,946.18	20.05	15.29	176.49	10.00	324.50	960.16	924.82	35.34	27.169	
6,100.00	6,045.68	6,066.32	6,045.68	20.44	15.34	176.53	10.00	324.50	970.15	934.33	35.82	27.085	
6,200.00	6,145.33	6,165.97	6,145.33	20.81	15.40	176.56	10.00	324.50	978.40	942.12	36.28	26.966	
6,300.00	6,245.12	6,265.76	6,245.12	21.17	15.45	176.59	10.00	324.50	984.91	948.18	36.73	26.817	
6,400.00	6,345.00	6,365.64	6,345.00	21.50	15.51	176.61	10.00	324.50	989.68	952.54	37.15	26.643	
6,500.00	6,444.96	6,465.60	6,444.96	21.80	15.56	176.62	10.00	324.50	992.72	955.18	37.53	26.451	
6,600.00	6,544.95	6,565.59	6,544.95	22.04	15.62	176.63	10.00	324.50	994.01	956.16	37.85	26.262	
6,624.05	6,569.00	6,589.64	6,569.00	22.06	15.63	95.24	10.00	324.50	994.06	956.17	37.89	26.238	
6,700.00	6,644.95	6,665.59	6,644.95	22.08	15.67	95.24	10.00	324.50	994.06	956.11	37.94	26.198	
6,800.00	6,744.95	6,765.59	6,744.95	22.11	15.73	95.24	10.00	324.50	994.06	956.03	38.03	26.139	
6,900.00	6,844.95	6,865.59	6,844.95	22.15	15.78	95.24	10.00	324.50	994.06	955.94	38.12	26.080	
7,000.00	6,944.95	6,965.59	6,944.95	22.19	15.84	95.24	10.00	324.50	994.06	955.85	38.20	26.021	
7,100.00	7,044.95	7,065.59	7,044.95	22.22	15.89	95.24	10.00	324.50	994.06	955.77	38.29	25.961	
7,200.00	7,144.95	7,165.59	7,144.95	22.26	15.95	95.24	10.00	324.50	994.06	955.68	38.38	25.902	
7,300.00	7,244.95	7,265.59	7,244.95	22.30	16.01	95.24	10.00	324.50	994.06	955.59	38.47	25.843	
7,400.00	7,344.95	7,365.59	7,344.95	22.33	16.07	95.24	10.00	324.50	994.06	955.50	38.55	25.783	
7,500.00	7,444.95	7,465.59	7,444.95	22.37	16.12	95.24	10.00	324.50	994.06	955.41	38.64	25.724	
7,600.00	7,544.95	7,565.59	7,544.95	22.41	16.18	95.24	10.00	324.50	994.06	955.32	38.73	25.664	
7,700.00	7,644.95	7,665.59	7,644.95	22.44	16.24	95.24	10.00	324.50	994.06	955.23	38.82	25.605	
7,800.00	7,744.95	7,765.59	7,744.95	22.48	16.29	95.24	10.00	324.50	994.06	955.14	38.91	25.545	
7,900.00	7,844.95	7,865.59	7,844.95	22.52	16.35	95.24	10.00	324.50	994.06	955.05	39.00	25.485	
8,000.00	7,944.95	7,965.59	7,944.95	22.56	16.41	95.24	10.00	324.50	994.06	954.96	39.10	25.426	
8,100.00	8,044.95	8,065.59	8,044.95	22.60	16.47	95.24	10.00	324.50	994.06	954.87	39.19	25.366	
8,200.00	8,144.95	8,165.59	8,144.95	22.64	16.53	95.24	10.00	324.50	994.06	954.78	39.28	25.306	
8,300.00	8,244.95	8,265.59	8,244.95	22.67	16.59	95.24	10.00	324.50	994.06	954.68	39.37	25.247	
8,400.00	8,344.95	8,365.59	8,344.95	22.71	16.65	95.24	10.00	324.50	994.06	954.59	39.47	25.187	
8,500.00	8,444.95	8,465.59	8,444.95	22.75	16.70	95.24	10.00	324.50	994.06	954.50	39.56	25.127	
8,600.00	8,544.95	8,565.59	8,544.95	22.79	16.76	95.24	10.00	324.50	994.06	954.40	39.65	25.068	
8,700.00	8,644.95	8,665.59	8,644.95	22.83	16.82	95.24	10.00	324.50	994.06	954.31	39.75	25.008	
8,800.00	8,744.95	8,765.59	8,744.95	22.87	16.88	95.24	10.00	324.50	994.06	954.21	39.84	24.949	
8,900.00	8,844.95	8,865.59	8,844.95	22.91	16.94	95.24	10.00	324.50	994.06	954.12	39.94	24.889	
9,000.00	8,944.95	8,965.59	8,944.95	22.95	17.00	95.24	10.00	324.50	994.06	954.02	40.04	24.829	
9,100.00	9,044.95	9,065.59	9,044.95	22.99	17.06	95.24	10.00	324.50	994.06	953.92	40.13	24.770	
9,200.00	9,144.95	9,165.59	9,144.95	23.04	17.12	95.24	10.00	324.50	994.06	953.83	40.23	24.710	
9,300.00	9,244.95	9,265.59	9,244.95	23.08	17.18	95.24	10.00	324.50	994.06	953.73	40.33	24.651	
9,400.00	9,344.95	9,365.59	9,344.95	23.12	17.25	95.24	10.00	324.50	994.06	953.63	40.42	24.591	
9,500.00	9,444.95	9,465.59	9,444.95	23.16	17.31	95.24	10.00	324.50	994.06	953.53	40.52	24.532	
9,600.00	9,544.95	9,565.59	9,544.95	23.20	17.37	95.24	10.00	324.50	994.06	953.44	40.62	24.472	
9,700.00	9,644.95	9,665.59	9,644.95	23.24	17.43	95.24	10.00	324.50	994.06	953.34	40.72	24.413	
9,800.00	9,744.95	9,765.59	9,744.95	23.29	17.49	95.24	10.00	324.50	994.06	953.24	40.82	24.354	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	
9,900.00	9,844.95	9,865.59	9,844.95	23.33	17.55	95.24	10.00	324.50	994.06	953.14	40.92	24.295	
10,000.00	9,944.95	9,965.59	9,944.95	23.37	17.61	95.24	10.00	324.50	994.06	953.04	41.02	24.235	
10,100.00	10,044.95	10,065.59	10,044.95	23.41	17.68	95.24	10.00	324.50	994.06	952.94	41.12	24.176	
10,200.00	10,144.95	10,165.59	10,144.95	23.46	17.74	95.24	10.00	324.50	994.06	952.84	41.22	24.117	
10,300.00	10,244.95	10,265.59	10,244.95	23.50	17.80	95.24	10.00	324.50	994.06	952.74	41.32	24.058	
10,329.59	10,274.54	10,295.18	10,274.54	23.50	17.82	95.24	10.00	324.50	994.06	952.72	41.34	24.046	
10,350.00	10,294.94	10,315.58	10,294.94	23.50	17.83	95.33	10.00	324.50	994.10	952.75	41.35	24.043	
10,375.00	10,319.88	10,345.97	10,325.31	23.51	17.83	95.39	10.81	324.50	994.20	952.83	41.36	24.035	
10,400.00	10,344.69	10,377.07	10,356.28	23.51	17.84	95.44	13.63	324.50	994.27	952.89	41.38	24.027	
10,425.00	10,369.31	10,408.24	10,387.06	23.51	17.84	95.46	18.47	324.49	994.31	952.91	41.40	24.017	
10,450.00	10,393.67	10,439.42	10,417.49	23.51	17.84	95.47	25.31	324.48	994.32	952.90	41.42	24.007	
10,475.00	10,417.71	10,470.61	10,447.39	23.52	17.85	95.46	34.13	324.47	994.30	952.87	41.44	23.996	
10,500.00	10,441.35	10,501.76	10,476.63	23.52	17.85	95.43	44.86	324.46	994.25	952.80	41.46	23.983	
10,525.00	10,464.54	10,532.84	10,505.04	23.52	17.85	95.38	57.45	324.44	994.17	952.70	41.48	23.970	
10,550.00	10,487.20	10,563.82	10,532.49	23.52	17.86	95.31	71.81	324.43	994.06	952.57	41.50	23.956	
10,575.00	10,509.28	10,594.68	10,558.84	23.53	17.86	95.22	87.85	324.41	993.93	952.41	41.52	23.941	
10,600.00	10,530.72	10,625.39	10,583.99	23.53	17.87	95.11	105.47	324.39	993.77	952.23	41.54	23.925	
10,625.00	10,551.46	10,655.91	10,607.81	23.53	17.88	94.99	124.55	324.37	993.59	952.03	41.56	23.909	
10,650.00	10,571.43	10,686.24	10,630.21	23.54	17.89	94.85	144.97	324.34	993.38	951.81	41.58	23.892	
10,675.00	10,590.60	10,716.33	10,651.13	23.54	17.90	94.69	166.61	324.32	993.16	951.56	41.60	23.874	
10,700.00	10,608.89	10,746.19	10,670.49	23.55	17.91	94.52	189.33	324.29	992.93	951.31	41.62	23.856	
10,725.00	10,626.27	10,775.79	10,688.24	23.56	17.93	94.34	213.01	324.26	992.69	951.04	41.65	23.836	
10,750.00	10,642.69	10,805.11	10,704.34	23.57	17.95	94.14	237.50	324.23	992.44	950.77	41.67	23.816	
10,775.00	10,658.10	10,834.14	10,718.78	23.58	17.97	93.93	262.69	324.21	992.18	950.48	41.70	23.795	
10,800.00	10,672.45	10,862.88	10,731.54	23.59	17.99	93.71	288.44	324.18	991.93	950.20	41.73	23.772	
10,825.00	10,685.72	10,891.32	10,742.62	23.60	18.01	93.48	314.62	324.14	991.68	949.92	41.76	23.748	
10,850.00	10,697.86	10,919.45	10,752.03	23.61	18.04	93.24	341.13	324.11	991.43	949.64	41.79	23.722	
10,875.00	10,708.84	10,947.27	10,759.78	23.63	18.07	93.00	367.85	324.08	991.19	949.36	41.83	23.695	
10,900.00	10,718.62	10,974.78	10,765.90	23.64	18.10	92.74	394.66	324.05	990.97	949.10	41.87	23.666	
10,925.00	10,727.19	11,001.98	10,770.42	23.66	18.14	92.48	421.48	324.02	990.76	948.84	41.92	23.635	
10,950.00	10,734.52	11,028.87	10,773.39	23.68	18.18	92.22	448.21	323.99	990.57	948.60	41.97	23.602	
10,975.00	10,740.59	11,055.46	10,774.83	23.71	18.22	91.95	474.75	323.96	990.39	948.37	42.02	23.568	
11,000.00	10,745.38	11,080.83	10,775.03	23.73	18.26	91.69	500.12	323.93	990.24	948.16	42.08	23.531	
11,025.00	10,748.89	11,105.59	10,775.10	23.76	18.30	91.51	524.88	323.90	990.15	947.99	42.15	23.491	
11,050.00	10,751.09	11,130.50	10,775.16	23.79	18.36	91.39	549.79	323.87	990.09	947.86	42.23	23.445	
11,075.00	10,751.98	11,155.48	10,775.22	23.82	18.41	91.34	574.77	323.84	990.07	947.76	42.31	23.398	
11,078.01	10,752.00	11,158.49	10,775.23	23.82	18.42	91.34	577.78	323.84	990.07	947.75	42.32	23.392	
11,100.00	10,752.07	11,180.48	10,775.28	23.85	18.46	91.34	599.77	323.81	990.07	947.67	42.40	23.350	
11,200.00	10,752.40	11,280.48	10,775.53	24.01	18.70	91.34	699.77	323.70	990.07	947.26	42.81	23.125	
11,300.00	10,752.74	11,380.48	10,775.78	24.20	18.98	91.33	799.77	323.58	990.07	946.78	43.29	22.872	
11,400.00	10,753.07	11,480.48	10,776.03	24.43	19.30	91.33	899.77	323.46	990.07	946.25	43.82	22.592	
11,500.00	10,753.40	11,580.48	10,776.27	24.68	19.65	91.32	999.77	323.35	990.07	945.65	44.42	22.290	
11,600.00	10,753.73	11,680.48	10,776.52	24.95	20.03	91.32	1,099.77	323.23	990.07	945.00	45.07	21.969	
11,700.00	10,754.06	11,780.48	10,776.77	25.26	20.44	91.31	1,199.77	323.11	990.07	944.30	45.77	21.631	
11,800.00	10,754.39	11,880.48	10,777.02	25.59	20.87	91.31	1,299.77	323.00	990.07	943.54	46.53	21.279	
11,900.00	10,754.72	11,980.48	10,777.27	25.95	21.34	91.30	1,399.77	322.88	990.07	942.73	47.33	20.918	
12,000.00	10,755.05	12,080.48	10,777.52	26.33	21.83	91.30	1,499.76	322.76	990.06	941.88	48.18	20.548	
12,100.00	10,755.38	12,180.48	10,777.76	26.73	22.34	91.30	1,599.76	322.65	990.06	940.99	49.08	20.174	
12,200.00	10,755.71	12,280.48	10,778.01	27.15	22.87	91.29	1,699.76	322.53	990.06	940.05	50.01	19.796	
12,300.00	10,756.04	12,380.48	10,778.26	27.60	23.42	91.29	1,799.76	322.41	990.06	939.07	50.99	19.417	
12,400.00	10,756.38	12,480.48	10,778.51	28.06	23.99	91.28	1,899.76	322.30	990.06	938.06	52.00	19.039	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

Offset Design: TATER SALAD & MOMBA FEDERAL - TATER SALAD FEDERAL COM 902H - OWB - PWP2												Offset Site Error:	0.00 usft
Survey Program: 0-r.5 MWD+IFR1+SAG+FDIR, 2000-r.5 MWD+IFR1, 10318-r.5 MWD+IFR1+SAG+FDIR												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Offset Wellbore Centre	Distance	Rule Assigned:								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	No-Go Distance (usft)	Separation Factor	Warning
12,500.00	10,756.71	12,580.48	10,778.76	28.55	24.58	91.28	1,999.76	322.18	990.06	937.01	53.05	18.663	
12,600.00	10,757.04	12,680.48	10,779.00	29.05	25.18	91.27	2,099.76	322.06	990.06	935.93	54.13	18.290	
12,700.00	10,757.37	12,780.48	10,779.25	29.57	25.80	91.27	2,199.76	321.95	990.06	934.82	55.24	17.922	
12,800.00	10,757.70	12,880.48	10,779.50	30.10	26.43	91.26	2,299.76	321.83	990.06	933.68	56.38	17.559	
12,900.00	10,758.03	12,980.48	10,779.75	30.65	27.07	91.26	2,399.76	321.71	990.06	932.51	57.55	17.203	
13,000.00	10,758.36	13,080.48	10,780.00	31.21	27.73	91.25	2,499.76	321.60	990.06	931.31	58.75	16.853	
13,100.00	10,758.69	13,180.48	10,780.25	31.79	28.39	91.25	2,599.76	321.48	990.06	930.09	59.96	16.511	
13,200.00	10,759.02	13,280.48	10,780.49	32.38	29.07	91.24	2,699.76	321.36	990.06	928.85	61.20	16.176	
13,300.00	10,759.35	13,380.48	10,780.74	32.98	29.76	91.24	2,799.76	321.25	990.06	927.59	62.47	15.849	
13,400.00	10,759.68	13,480.48	10,780.99	33.59	30.45	91.23	2,899.76	321.13	990.05	926.31	63.75	15.531	
13,500.00	10,760.02	13,580.48	10,781.24	34.22	31.15	91.23	2,999.76	321.01	990.05	925.01	65.05	15.220	
13,600.00	10,760.35	13,680.48	10,781.49	34.85	31.86	91.22	3,099.76	320.90	990.05	923.69	66.37	14.918	
13,700.00	10,760.68	13,780.48	10,781.73	35.49	32.58	91.22	3,199.76	320.78	990.05	922.35	67.70	14.623	
13,800.00	10,761.01	13,880.48	10,781.98	36.14	33.30	91.21	3,299.76	320.66	990.05	921.00	69.05	14.337	
13,900.00	10,761.34	13,980.48	10,782.23	36.80	34.03	91.21	3,399.76	320.55	990.05	919.63	70.42	14.059	
14,000.00	10,761.67	14,080.48	10,782.48	37.47	34.77	91.20	3,499.76	320.43	990.05	918.25	71.80	13.789	
14,100.00	10,762.00	14,180.48	10,782.73	38.15	35.51	91.20	3,599.76	320.31	990.05	916.86	73.19	13.526	
14,200.00	10,762.33	14,280.48	10,782.98	38.83	36.26	91.19	3,699.76	320.20	990.05	915.45	74.60	13.272	
14,300.00	10,762.66	14,380.48	10,783.22	39.52	37.01	91.19	3,799.76	320.08	990.05	914.03	76.02	13.024	
14,400.00	10,762.99	14,480.48	10,783.47	40.22	37.77	91.19	3,899.76	319.97	990.05	912.60	77.44	12.784	
14,500.00	10,763.33	14,580.48	10,783.72	40.92	38.53	91.18	3,999.76	319.85	990.05	911.16	78.88	12.551	
14,600.00	10,763.66	14,680.48	10,783.97	41.63	39.29	91.18	4,099.75	319.73	990.05	909.72	80.33	12.324	
14,700.00	10,763.99	14,780.48	10,784.22	42.34	40.06	91.17	4,199.75	319.62	990.05	908.26	81.79	12.105	
14,800.00	10,764.32	14,880.48	10,784.46	43.06	40.83	91.17	4,299.75	319.50	990.05	906.79	83.26	11.891	
14,900.00	10,764.65	14,980.48	10,784.71	43.79	41.60	91.16	4,399.75	319.38	990.05	905.31	84.73	11.684	
15,000.00	10,764.98	15,080.48	10,784.96	44.51	42.38	91.16	4,499.75	319.27	990.05	903.83	86.22	11.483	
15,100.00	10,765.31	15,180.48	10,785.21	45.25	43.16	91.15	4,599.75	319.15	990.04	902.34	87.71	11.288	
15,200.00	10,765.64	15,280.48	10,785.46	45.99	43.95	91.15	4,699.75	319.03	990.04	900.84	89.21	11.098	
15,300.00	10,765.97	15,380.48	10,785.71	46.73	44.73	91.14	4,799.75	318.92	990.04	899.33	90.71	10.914	
15,400.00	10,766.30	15,480.48	10,785.95	47.47	45.52	91.14	4,899.75	318.80	990.04	897.82	92.22	10.735	
15,500.00	10,766.63	15,580.48	10,786.20	48.22	46.32	91.13	4,999.75	318.68	990.04	896.30	93.74	10.562	
15,600.00	10,766.97	15,680.48	10,786.45	48.97	47.11	91.13	5,099.75	318.57	990.04	894.78	95.26	10.393	
15,700.00	10,767.30	15,780.48	10,786.70	49.73	47.91	91.12	5,199.75	318.45	990.04	893.25	96.79	10.228	
15,800.00	10,767.63	15,880.48	10,786.95	50.49	48.70	91.12	5,299.75	318.33	990.04	891.71	98.33	10.069	
15,900.00	10,767.96	15,980.48	10,787.19	51.25	49.50	91.11	5,399.75	318.22	990.04	890.17	99.87	9.913	
16,000.00	10,768.29	16,080.48	10,787.44	52.02	50.31	91.11	5,499.75	318.10	990.04	888.63	101.41	9.762	
16,100.00	10,768.62	16,180.48	10,787.69	52.79	51.11	91.10	5,599.75	317.98	990.04	887.08	102.96	9.616	
16,200.00	10,768.95	16,280.48	10,787.94	53.56	51.92	91.10	5,699.75	317.87	990.04	885.52	104.52	9.473	
16,300.00	10,769.28	16,380.48	10,788.19	54.33	52.72	91.09	5,799.75	317.75	990.04	883.97	106.07	9.333	
16,400.00	10,769.61	16,480.48	10,788.43	55.11	53.53	91.09	5,899.75	317.63	990.04	882.40	107.64	9.198	
16,500.00	10,769.94	16,580.48	10,788.68	55.89	54.34	91.08	5,999.75	317.52	990.04	880.84	109.20	9.066	
16,600.00	10,770.27	16,680.48	10,788.93	56.67	55.15	91.08	6,099.75	317.40	990.04	879.27	110.77	8.938	
16,700.00	10,770.61	16,780.48	10,789.18	57.45	55.97	91.07	6,199.75	317.28	990.04	877.69	112.34	8.813	
16,800.00	10,770.94	16,880.48	10,789.43	58.24	56.78	91.07	6,299.75	317.17	990.04	876.12	113.92	8.691	
16,900.00	10,771.27	16,980.48	10,789.68	59.02	57.60	91.07	6,399.74	317.05	990.04	874.54	115.50	8.572	
17,000.00	10,771.60	17,080.48	10,789.92	59.81	58.41	91.06	6,499.74	316.93	990.04	872.95	117.08	8.456	
17,100.00	10,771.93	17,180.48	10,790.17	60.60	59.23	91.06	6,599.74	316.82	990.04	871.37	118.67	8.343	
17,200.00	10,772.26	17,280.48	10,790.42	61.39	60.05	91.05	6,699.74	316.70	990.04	869.78	120.26	8.233	
17,300.00	10,772.59	17,380.48	10,790.67	62.19	60.87	91.05	6,799.74	316.58	990.04	868.18	121.85	8.125	
17,400.00	10,772.92	17,480.48	10,790.92	62.99	61.69	91.04	6,899.74	316.47	990.03	866.59	123.45	8.020	
17,500.00	10,773.25	17,580.48	10,791.16	63.78	62.52	91.04	6,999.74	316.35	990.03	864.99	125.04	7.918	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	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		
17,600.00	10,773.58	17,680.48	10,791.41	64.58	63.34	91.03	7,099.74	316.23	990.03	863.39	126.64	7.818		
17,700.00	10,773.91	17,780.48	10,791.66	65.38	64.16	91.03	7,199.74	316.12	990.03	861.79	128.24	7.720		
17,800.00	10,774.25	17,880.48	10,791.91	66.18	64.99	91.02	7,299.74	316.00	990.03	860.19	129.85	7.625		
17,900.00	10,774.58	17,980.48	10,792.16	66.99	65.81	91.02	7,399.74	315.88	990.03	858.58	131.45	7.531		
18,000.00	10,774.91	18,080.48	10,792.41	67.79	66.64	91.01	7,499.74	315.77	990.03	856.97	133.06	7.440		
18,100.00	10,775.24	18,180.48	10,792.65	68.60	67.47	91.01	7,599.74	315.65	990.03	855.36	134.67	7.351		
18,200.00	10,775.57	18,280.48	10,792.90	69.41	68.30	91.00	7,699.74	315.53	990.03	853.75	136.29	7.264		
18,300.00	10,775.90	18,380.48	10,793.15	70.21	69.12	91.00	7,799.74	315.42	990.03	852.13	137.90	7.179		
18,400.00	10,776.23	18,480.48	10,793.40	71.02	69.95	90.99	7,899.74	315.30	990.03	850.51	139.52	7.096		
18,500.00	10,776.56	18,580.48	10,793.65	71.83	70.78	90.99	7,999.74	315.19	990.03	848.90	141.13	7.015		
18,600.00	10,776.89	18,680.48	10,793.89	72.65	71.61	90.98	8,099.74	315.07	990.03	847.28	142.75	6.935		
18,700.00	10,777.22	18,780.48	10,794.14	73.46	72.45	90.98	8,199.74	314.95	990.03	845.65	144.38	6.857		
18,800.00	10,777.56	18,880.48	10,794.39	74.27	73.28	90.97	8,299.74	314.84	990.03	844.03	146.00	6.781		
18,900.00	10,777.89	18,980.48	10,794.64	75.09	74.11	90.97	8,399.74	314.72	990.03	842.41	147.62	6.706		
19,000.00	10,778.22	19,080.48	10,794.89	75.90	74.94	90.96	8,499.74	314.60	990.03	840.78	149.25	6.633		
19,100.00	10,778.55	19,180.48	10,795.14	76.72	75.78	90.96	8,599.74	314.49	990.03	839.15	150.88	6.562		
19,200.00	10,778.88	19,280.48	10,795.38	77.54	76.61	90.96	8,699.74	314.37	990.03	837.52	152.51	6.492		
19,300.00	10,779.21	19,380.48	10,795.63	78.36	77.45	90.95	8,799.74	314.25	990.03	835.89	154.14	6.423		
19,400.00	10,779.54	19,480.48	10,795.88	79.18	78.28	90.95	8,899.73	314.14	990.03	834.26	155.77	6.356		
19,500.00	10,779.87	19,580.48	10,796.13	80.00	79.12	90.94	8,999.73	314.02	990.03	832.63	157.40	6.290		
19,600.00	10,780.20	19,680.48	10,796.38	80.82	79.95	90.94	9,099.73	313.90	990.03	830.99	159.04	6.225		
19,700.00	10,780.53	19,780.48	10,796.62	81.64	80.79	90.93	9,199.73	313.79	990.03	829.36	160.67	6.162		
19,800.00	10,780.86	19,880.48	10,796.87	82.46	81.63	90.93	9,299.73	313.67	990.03	827.72	162.31	6.100		
19,900.00	10,781.20	19,980.48	10,797.12	83.28	82.47	90.92	9,399.73	313.55	990.03	826.08	163.95	6.039		
20,000.00	10,781.53	20,080.48	10,797.37	84.11	83.30	90.92	9,499.73	313.44	990.03	824.44	165.58	5.979		
20,100.00	10,781.86	20,180.48	10,797.62	84.93	84.14	90.91	9,599.73	313.32	990.03	822.80	167.22	5.920		
20,200.00	10,782.19	20,280.48	10,797.87	85.76	84.98	90.91	9,699.73	313.20	990.03	821.16	168.86	5.863		
20,300.00	10,782.52	20,380.48	10,798.11	86.58	85.82	90.90	9,799.73	313.09	990.03	819.52	170.51	5.806		
20,400.00	10,782.85	20,480.48	10,798.36	87.41	86.66	90.90	9,899.73	312.97	990.03	817.88	172.15	5.751		
20,500.00	10,783.18	20,580.48	10,798.61	88.23	87.50	90.89	9,999.73	312.85	990.03	816.23	173.79	5.697		
20,600.00	10,783.51	20,680.48	10,798.86	89.06	88.34	90.89	10,099.73	312.74	990.03	814.59	175.44	5.643		
20,700.00	10,783.84	20,780.48	10,799.11	89.89	89.18	90.88	10,199.73	312.62	990.03	812.94	177.08	5.591		
20,800.00	10,784.17	20,880.48	10,799.35	90.72	90.02	90.88	10,299.73	312.50	990.03	811.30	178.73	5.539		
20,900.00	10,784.50	20,980.48	10,799.60	91.55	90.86	90.87	10,399.73	312.39	990.03	809.65	180.38	5.489		
21,000.00	10,784.84	21,080.48	10,799.85	92.38	91.70	90.87	10,499.73	312.27	990.03	808.00	182.03	5.439		
21,049.69	10,785.00	21,130.17	10,799.97	92.79	92.12	90.87	10,549.42	312.21	990.03	807.18	182.84	5.415		
21,050.14	10,785.00	21,130.62	10,799.97	92.79	92.12	90.87	10,549.87	312.21	990.03	807.18	182.85	5.414		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	
0.00	0.00	0.10	0.00	0.00	0.00	-0.29	20.00	-0.10	20.00				
100.00	100.00	100.10	100.00	0.77	0.77	-0.29	20.00	-0.10	20.00	18.01	1.99	10.041	
200.00	200.00	200.10	200.00	1.44	1.44	-0.29	20.00	-0.10	20.00	16.69	3.31	6.039	
300.00	300.00	300.10	300.00	1.88	1.88	-0.29	20.00	-0.10	20.00	15.80	4.20	4.767	
400.00	400.00	400.10	400.00	2.25	2.25	-0.29	20.00	-0.10	20.00	15.09	4.91	4.071	
500.00	500.00	500.10	500.00	2.56	2.56	-0.29	20.00	-0.10	20.00	14.47	5.53	3.615	
600.00	600.00	600.10	600.00	2.84	2.84	-0.29	20.00	-0.10	20.00	13.91	6.09	3.284	
700.00	700.00	700.10	700.00	3.10	3.10	-0.29	20.00	-0.10	20.00	13.40	6.60	3.030	
800.00	800.00	800.10	800.00	3.34	3.34	-0.29	20.00	-0.10	20.00	12.92	7.08	2.826 Normal Operations	
900.00	900.00	900.10	900.00	3.57	3.57	-0.29	20.00	-0.10	20.00	12.48	7.52	2.658 Normal Operations	
1,000.00	1,000.00	1,000.10	1,000.00	3.79	3.79	-0.29	20.00	-0.10	20.00	12.05	7.95	2.517 Normal Operations	
1,100.00	1,100.00	1,100.10	1,100.00	3.99	3.99	-0.29	20.00	-0.10	20.00	11.65	8.35	2.395 Caution - Monitor Closely	
1,200.00	1,200.00	1,200.10	1,200.00	4.19	4.19	-0.29	20.00	-0.10	20.00	11.26	8.74	2.288 Caution - Monitor Closely	
1,300.00	1,300.00	1,300.10	1,300.00	4.38	4.38	-0.29	20.00	-0.10	20.00	10.89	9.11	2.195 Caution - Monitor Closely	
1,400.00	1,400.00	1,400.10	1,400.00	4.56	4.56	-0.29	20.00	-0.10	20.00	10.53	9.47	2.111 Caution - Monitor Closely	
1,500.00	1,500.00	1,500.10	1,500.00	4.74	4.74	-0.29	20.00	-0.10	20.00	10.18	9.82	2.036 Caution - Monitor Closely	
1,600.00	1,600.00	1,600.10	1,600.00	4.91	4.91	-0.29	20.00	-0.10	20.00	9.84	10.16	1.968 Caution - Monitor Closely	
1,700.00	1,700.00	1,700.10	1,700.00	5.08	5.08	-0.29	20.00	-0.10	20.00	9.51	10.49	1.906 Caution - Monitor Closely	
1,800.00	1,800.00	1,800.10	1,800.00	5.24	5.24	-0.29	20.00	-0.10	20.00	9.18	10.82	1.849 Caution - Monitor Closely	
1,900.00	1,900.00	1,900.10	1,900.00	5.40	5.40	-0.29	20.00	-0.10	20.00	8.87	11.13	1.797 Caution - Monitor Closely	
1,966.63	1,966.63	1,966.73	1,966.63	5.50	5.50	-0.29	20.00	-0.10	20.00	8.66	11.34	1.764 Caution - Monitor Closely, CC	
2,000.00	2,000.00	2,000.00	1,999.90	5.56	5.56	-0.29	20.00	-0.10	20.00	8.56	11.44	1.748 Caution - Monitor Closely, ES, SF	
2,100.00	2,099.98	2,099.69	2,099.57	5.79	5.79	81.94	21.00	-1.51	20.75	9.00	11.75	1.766 Caution - Monitor Closely	
2,200.00	2,199.84	2,199.24	2,198.98	6.01	6.01	84.13	24.01	-5.74	23.01	10.99	12.02	1.914 Caution - Monitor Closely	
2,300.00	2,299.45	2,298.71	2,298.07	6.26	6.25	86.95	29.01	-12.78	26.84	14.55	12.28	2.185 Caution - Monitor Closely	
2,400.00	2,398.70	2,398.07	2,396.69	6.52	6.52	89.74	36.00	-22.61	32.27	19.72	12.54	2.572 Normal Operations	
2,499.94	2,497.41	2,497.75	2,495.40	6.80	6.72	94.44	44.03	-33.92	38.66	25.87	12.79	3.022	
2,600.00	2,595.95	2,597.48	2,594.16	7.04	6.95	100.05	52.08	-45.23	45.52	32.48	13.05	3.489	
2,700.00	2,694.43	2,697.16	2,692.87	7.29	7.19	104.17	60.12	-56.54	52.71	39.38	13.32	3.956	
2,800.00	2,792.91	2,796.84	2,791.58	7.56	7.45	107.29	68.15	-67.85	60.10	46.48	13.61	4.414	
2,900.00	2,891.39	2,896.52	2,890.29	7.84	7.73	109.72	76.19	-79.16	67.62	53.70	13.92	4.859	
3,000.00	2,989.87	2,996.20	2,989.00	8.15	8.02	111.66	84.23	-90.47	75.25	61.01	14.23	5.287	
3,100.00	3,088.35	3,095.88	3,087.71	8.46	8.32	113.24	92.27	-101.78	82.94	68.38	14.56	5.697	
3,200.00	3,186.83	3,195.56	3,186.42	8.79	8.64	114.55	100.31	-113.09	90.69	75.79	14.89	6.089	
3,300.00	3,285.31	3,295.26	3,285.22	9.13	8.96	116.01	108.00	-123.92	98.46	83.21	15.25	6.456	
3,400.00	3,383.80	3,394.85	3,384.14	9.48	9.29	118.17	114.71	-133.36	106.34	90.69	15.64	6.798	
3,500.00	3,482.28	3,494.28	3,483.08	9.84	9.60	120.89	120.42	-141.39	114.46	98.38	16.08	7.118	
3,600.00	3,580.76	3,593.48	3,581.95	10.21	9.92	124.04	125.11	-148.00	123.02	106.44	16.58	7.420	
3,700.00	3,679.24	3,692.40	3,680.66	10.58	10.22	127.50	128.81	-153.20	132.22	115.07	17.15	7.709	
3,800.00	3,777.72	3,790.98	3,779.12	10.96	10.51	131.16	131.51	-157.00	142.27	124.48	17.80	7.995	
3,900.00	3,876.20	3,889.15	3,877.25	11.35	10.77	134.92	133.23	-159.41	153.36	134.85	18.51	8.286	
4,000.00	3,974.68	3,986.88	3,974.97	11.74	10.99	138.70	133.97	-160.45	165.67	146.39	19.27	8.595	
4,100.00	4,073.16	4,085.07	4,073.16	12.13	11.09	142.32	134.00	-160.50	179.13	159.08	20.05	8.933	
4,200.00	4,171.64	4,183.55	4,171.64	12.53	11.16	145.45	134.00	-160.50	193.23	172.43	20.81	9.287	
4,300.00	4,270.13	4,282.03	4,270.13	12.93	11.23	148.15	134.00	-160.50	207.83	186.30	21.54	9.650	
4,400.00	4,368.61	4,380.52	4,368.61	13.34	11.31	150.50	134.00	-160.50	222.83	200.58	22.25	10.017	
4,500.00	4,467.09	4,479.00	4,467.09	13.75	11.38	152.55	134.00	-160.50	238.15	215.21	22.94	10.383	
4,600.00	4,565.57	4,577.48	4,565.57	14.16	11.45	154.36	134.00	-160.50	253.73	230.12	23.61	10.746	
4,700.00	4,664.05	4,675.96	4,664.05	14.58	11.52	155.95	134.00	-160.50	269.53	245.25	24.27	11.104	
4,800.00	4,762.53	4,774.44	4,762.53	15.00	11.59	157.37	134.00	-160.50	285.51	260.58	24.92	11.455	
4,900.00	4,861.01	4,872.92	4,861.01	15.42	11.67	158.63	134.00	-160.50	301.64	276.07	25.57	11.798	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		No-Go		Separation	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	Factor	Warning
5,000.00	4,959.49	4,971.40	4,959.49	15.84	11.74	159.77	134.00	-160.50	317.90	291.70	26.20	12.133	
5,100.00	5,057.97	5,069.88	5,057.97	16.26	11.81	160.80	134.00	-160.50	334.28	307.44	26.83	12.458	
5,200.00	5,156.46	5,168.36	5,156.46	16.69	11.89	161.73	134.00	-160.50	350.75	323.29	27.46	12.774	
5,300.00	5,254.94	5,266.85	5,254.94	17.11	11.96	162.58	134.00	-160.50	367.30	339.22	28.08	13.081	
5,400.00	5,353.42	5,365.33	5,353.42	17.54	12.03	163.35	134.00	-160.50	383.92	355.22	28.70	13.378	
5,500.00	5,451.90	5,463.81	5,451.90	17.97	12.11	164.06	134.00	-160.50	400.61	371.29	29.32	13.665	
5,600.00	5,550.38	5,562.29	5,550.38	18.40	12.18	164.72	134.00	-160.50	417.35	387.42	29.93	13.944	
5,624.17	5,574.18	5,586.09	5,574.18	18.50	12.20	164.87	134.00	-160.50	421.40	391.33	30.07	14.014	
5,700.00	5,648.95	5,660.86	5,648.95	18.82	12.25	165.34	134.00	-160.50	433.66	403.14	30.52	14.208	
5,800.00	5,747.78	5,759.69	5,747.78	19.24	12.33	165.86	134.00	-160.50	448.39	417.27	31.12	14.410	
5,900.00	5,846.87	5,858.78	5,846.87	19.65	12.40	166.30	134.00	-160.50	461.47	429.78	31.69	14.561	
6,000.00	5,946.18	5,958.09	5,946.18	20.05	12.47	166.67	134.00	-160.50	472.88	440.63	32.25	14.664	
6,100.00	6,045.68	6,057.59	6,045.68	20.44	12.55	166.96	134.00	-160.50	482.62	449.84	32.79	14.720	
6,200.00	6,145.33	6,157.24	6,145.33	20.81	12.62	167.20	134.00	-160.50	490.68	457.38	33.30	14.734	
6,300.00	6,245.12	6,257.03	6,245.12	21.17	12.70	167.38	134.00	-160.50	497.05	463.25	33.79	14.709	
6,400.00	6,345.00	6,356.91	6,345.00	21.50	12.77	167.51	134.00	-160.50	501.71	467.46	34.25	14.648	
6,500.00	6,444.96	6,456.86	6,444.96	21.80	12.85	167.59	134.00	-160.50	504.68	470.01	34.67	14.557	
6,600.00	6,544.95	6,556.85	6,544.95	22.04	12.92	167.62	134.00	-160.50	505.94	470.93	35.01	14.450	
6,624.05	6,569.00	6,580.91	6,569.00	22.06	12.94	86.24	134.00	-160.50	505.99	470.94	35.05	14.436	
6,700.00	6,644.95	6,656.85	6,644.95	22.08	13.00	86.24	134.00	-160.50	505.99	470.87	35.12	14.408	
6,800.00	6,744.95	6,756.85	6,744.95	22.11	13.07	86.24	134.00	-160.50	505.99	470.77	35.22	14.368	
6,900.00	6,844.95	6,856.85	6,844.95	22.15	13.15	86.24	134.00	-160.50	505.99	470.67	35.32	14.327	
7,000.00	6,944.95	6,956.85	6,944.95	22.19	13.23	86.24	134.00	-160.50	505.99	470.57	35.42	14.287	
7,100.00	7,044.95	7,056.85	7,044.95	22.22	13.30	86.24	134.00	-160.50	505.99	470.47	35.52	14.247	
7,200.00	7,144.95	7,156.85	7,144.95	22.26	13.38	86.24	134.00	-160.50	505.99	470.37	35.62	14.206	
7,300.00	7,244.95	7,256.85	7,244.95	22.30	13.45	86.24	134.00	-160.50	505.99	470.27	35.72	14.166	
7,400.00	7,344.95	7,356.85	7,344.95	22.33	13.53	86.24	134.00	-160.50	505.99	470.17	35.82	14.126	
7,500.00	7,444.95	7,456.85	7,444.95	22.37	13.61	86.24	134.00	-160.50	505.99	470.07	35.92	14.086	
7,600.00	7,544.95	7,556.85	7,544.95	22.41	13.68	86.24	134.00	-160.50	505.99	469.97	36.02	14.046	
7,700.00	7,644.95	7,656.85	7,644.95	22.44	13.76	86.24	134.00	-160.50	505.99	469.86	36.13	14.006	
7,800.00	7,744.95	7,756.85	7,744.95	22.48	13.83	86.24	134.00	-160.50	505.99	469.76	36.23	13.966	
7,900.00	7,844.95	7,856.85	7,844.95	22.52	13.91	86.24	134.00	-160.50	505.99	469.66	36.33	13.926	
8,000.00	7,944.95	7,956.85	7,944.95	22.56	13.99	86.24	134.00	-160.50	505.99	469.55	36.44	13.886	
8,100.00	8,044.95	8,056.85	8,044.95	22.60	14.06	86.24	134.00	-160.50	505.99	469.45	36.54	13.847	
8,200.00	8,144.95	8,156.85	8,144.95	22.64	14.14	86.24	134.00	-160.50	505.99	469.34	36.65	13.807	
8,300.00	8,244.95	8,256.85	8,244.95	22.67	14.21	86.24	134.00	-160.50	505.99	469.24	36.75	13.767	
8,400.00	8,344.95	8,356.85	8,344.95	22.71	14.29	86.24	134.00	-160.50	505.99	469.13	36.86	13.728	
8,500.00	8,444.95	8,456.85	8,444.95	22.75	14.37	86.24	134.00	-160.50	505.99	469.03	36.96	13.688	
8,600.00	8,544.95	8,556.85	8,544.95	22.79	14.44	86.24	134.00	-160.50	505.99	468.92	37.07	13.649	
8,700.00	8,644.95	8,656.85	8,644.95	22.83	14.52	86.24	134.00	-160.50	505.99	468.81	37.18	13.610	
8,800.00	8,744.95	8,756.85	8,744.95	22.87	14.60	86.24	134.00	-160.50	505.99	468.70	37.29	13.571	
8,900.00	8,844.95	8,856.85	8,844.95	22.91	14.67	86.24	134.00	-160.50	505.99	468.60	37.39	13.531	
9,000.00	8,944.95	8,956.85	8,944.95	22.95	14.75	86.24	134.00	-160.50	505.99	468.49	37.50	13.492	
9,100.00	9,044.95	9,056.85	9,044.95	22.99	14.83	86.24	134.00	-160.50	505.99	468.38	37.61	13.454	
9,200.00	9,144.95	9,156.85	9,144.95	23.04	14.91	86.24	134.00	-160.50	505.99	468.27	37.72	13.415	
9,300.00	9,244.95	9,256.85	9,244.95	23.08	14.98	86.24	134.00	-160.50	505.99	468.16	37.83	13.376	
9,400.00	9,344.95	9,356.85	9,344.95	23.12	15.06	86.24	134.00	-160.50	505.99	468.05	37.94	13.337	
9,500.00	9,444.95	9,456.85	9,444.95	23.16	15.14	86.24	134.00	-160.50	505.99	467.94	38.05	13.299	
9,600.00	9,544.95	9,556.85	9,544.95	23.20	15.21	86.24	134.00	-160.50	505.99	467.83	38.16	13.260	
9,700.00	9,644.95	9,656.85	9,644.95	23.24	15.29	86.24	134.00	-160.50	505.99	467.72	38.27	13.222	
9,800.00	9,744.95	9,756.85	9,744.95	23.29	15.37	86.24	134.00	-160.50	505.99	467.61	38.38	13.184	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		No-Go		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Distance (usft)	
9,900.00	9,844.95	9,856.85	9,844.95	23.33	15.44	86.24	134.00	-160.50	505.99	467.50	38.49	13.145
10,000.00	9,944.95	9,956.85	9,944.95	23.37	15.52	86.24	134.00	-160.50	505.99	467.39	38.60	13.108
10,010.00	9,954.95	9,966.85	9,954.95	23.37	15.53	86.24	134.00	-160.50	505.99	467.38	38.61	13.104
10,100.00	10,044.95	10,052.42	10,040.35	23.41	15.56	85.81	137.76	-160.50	506.27	467.65	38.62	13.109
10,200.00	10,144.95	10,141.33	10,127.02	23.46	15.58	83.65	157.02	-160.53	508.31	469.90	38.41	13.234
10,300.00	10,244.95	10,220.79	10,200.28	23.50	15.61	80.25	187.56	-160.56	514.18	476.19	37.99	13.534
10,329.59	10,274.54	10,242.11	10,218.98	23.50	15.62	79.12	197.79	-160.57	517.05	479.27	37.78	13.686
10,350.00	10,294.94	10,256.38	10,231.23	23.50	15.62	78.16	205.10	-160.58	519.31	481.65	37.66	13.790
10,375.00	10,319.88	10,275.00	10,246.89	23.51	15.63	76.84	215.18	-160.60	522.26	484.74	37.52	13.920
10,400.00	10,344.69	10,290.79	10,259.85	23.51	15.64	75.69	224.21	-160.61	525.36	487.95	37.40	14.046
10,425.00	10,369.31	10,307.74	10,273.42	23.51	15.64	74.50	234.37	-160.62	528.59	491.29	37.30	14.172
10,450.00	10,393.67	10,325.00	10,286.85	23.51	15.65	73.32	245.20	-160.63	531.92	494.71	37.21	14.296
10,475.00	10,417.71	10,341.20	10,299.10	23.52	15.66	72.22	255.79	-160.64	535.32	498.18	37.14	14.414
10,500.00	10,441.35	10,357.72	10,311.22	23.52	15.67	71.14	267.03	-160.66	538.77	501.68	37.09	14.526
10,525.00	10,464.54	10,375.00	10,323.46	23.52	15.68	70.07	279.22	-160.67	542.24	505.19	37.05	14.635
10,550.00	10,487.20	10,390.43	10,334.02	23.52	15.68	69.10	290.47	-160.68	545.69	508.65	37.04	14.732
10,575.00	10,509.28	10,406.63	10,344.70	23.53	15.69	68.15	302.65	-160.70	549.12	512.07	37.04	14.823
10,600.00	10,530.72	10,425.00	10,356.31	23.53	15.70	67.18	316.88	-160.71	552.49	515.45	37.04	14.914
10,625.00	10,551.46	10,438.77	10,364.65	23.53	15.71	66.39	327.84	-160.73	555.78	518.68	37.10	14.980
10,650.00	10,571.43	10,454.72	10,373.91	23.54	15.72	65.58	340.83	-160.74	558.97	521.82	37.15	15.045
10,675.00	10,590.60	10,470.60	10,382.69	23.54	15.73	64.82	354.06	-160.76	562.05	524.83	37.22	15.102
10,700.00	10,608.89	10,486.42	10,390.99	23.55	15.74	64.11	367.52	-160.77	564.99	527.70	37.30	15.149
10,725.00	10,626.27	10,500.00	10,397.77	23.56	15.75	63.50	379.29	-160.79	567.79	530.39	37.41	15.179
10,750.00	10,642.69	10,517.88	10,406.17	23.57	15.77	62.85	395.08	-160.81	570.41	532.93	37.48	15.218
10,775.00	10,658.10	10,533.54	10,413.03	23.58	15.78	62.30	409.15	-160.82	572.86	535.27	37.59	15.240
10,800.00	10,672.45	10,550.00	10,419.75	23.59	15.79	61.78	424.17	-160.84	575.11	537.41	37.70	15.257
10,825.00	10,685.72	10,564.74	10,425.32	23.60	15.81	61.35	437.82	-160.86	577.15	539.33	37.82	15.259
10,850.00	10,697.86	10,580.29	10,430.74	23.61	15.82	60.95	452.39	-160.87	578.99	541.04	37.95	15.258
10,875.00	10,708.84	10,600.00	10,436.92	23.63	15.84	60.56	471.11	-160.89	580.62	542.58	38.04	15.264
10,900.00	10,718.62	10,611.31	10,440.12	23.64	15.85	60.31	481.95	-160.91	581.97	543.77	38.20	15.233
10,925.00	10,727.19	10,625.00	10,443.64	23.66	15.86	60.09	495.18	-160.92	583.12	544.76	38.35	15.205
10,950.00	10,734.52	10,642.25	10,447.54	23.68	15.88	59.89	511.98	-160.94	584.01	545.54	38.47	15.182
10,975.00	10,740.59	10,657.70	10,450.51	23.71	15.90	59.75	527.14	-160.96	584.65	546.06	38.60	15.147
11,000.00	10,745.38	10,675.00	10,453.26	23.73	15.92	59.65	544.23	-160.98	585.06	546.34	38.72	15.112
11,025.00	10,748.89	10,688.58	10,454.98	23.76	15.93	59.64	557.69	-161.00	585.20	546.34	38.86	15.060
11,050.00	10,751.09	10,700.00	10,456.13	23.79	15.95	59.65	569.06	-161.01	585.11	546.11	39.01	15.000
11,075.00	10,751.98	10,719.45	10,457.46	23.82	15.97	59.74	588.47	-161.03	584.73	545.62	39.11	14.952
11,078.01	10,752.00	10,725.00	10,457.70	23.82	15.98	59.76	594.01	-161.04	584.69	545.59	39.10	14.953
11,100.00	10,752.07	10,734.91	10,457.96	23.85	15.99	59.78	603.91	-161.05	584.37	545.15	39.23	14.898
11,200.00	10,752.40	10,832.71	10,458.79	24.01	16.16	59.82	701.71	-161.16	584.11	544.54	39.57	14.761
11,300.00	10,752.74	10,932.71	10,459.62	24.20	16.38	59.86	801.71	-161.28	583.86	543.89	39.96	14.610
11,400.00	10,753.07	11,032.71	10,460.46	24.43	16.65	59.91	901.70	-161.40	583.61	543.19	40.41	14.442
11,500.00	10,753.40	11,132.71	10,461.29	24.68	16.97	59.95	1,001.70	-161.52	583.35	542.44	40.91	14.258
11,600.00	10,753.73	11,232.71	10,462.12	24.95	17.33	59.99	1,101.69	-161.63	583.10	541.63	41.47	14.062
11,700.00	10,754.06	11,332.71	10,462.96	25.26	17.74	60.04	1,201.69	-161.75	582.85	540.78	42.07	13.854
11,800.00	10,754.39	11,432.71	10,463.79	25.59	18.18	60.08	1,301.68	-161.87	582.60	539.88	42.72	13.637
11,900.00	10,754.72	11,532.70	10,464.63	25.95	18.66	60.12	1,401.68	-161.98	582.35	538.93	43.42	13.412
12,000.00	10,755.05	11,632.70	10,465.46	26.33	19.17	60.16	1,501.67	-162.10	582.10	537.94	44.16	13.181
12,100.00	10,755.38	11,732.70	10,466.30	26.73	19.70	60.21	1,601.67	-162.22	581.85	536.91	44.94	12.946
12,200.00	10,755.71	11,832.70	10,467.13	27.15	20.26	60.25	1,701.66	-162.34	581.60	535.84	45.76	12.708
12,300.00	10,756.04	11,932.70	10,467.97	27.60	20.84	60.29	1,801.66	-162.45	581.35	534.73	46.62	12.469

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
12,400.00	10,756.38	12,032.70	10,468.80	28.06	21.44	60.34	1,901.65	-162.57	581.10	533.58	47.52	12.229	
12,500.00	10,756.71	12,132.70	10,469.63	28.55	22.06	60.38	2,001.65	-162.69	580.85	532.41	48.45	11.990	
12,600.00	10,757.04	12,232.69	10,470.47	29.05	22.70	60.42	2,101.65	-162.80	580.61	531.20	49.41	11.752	
12,700.00	10,757.37	12,332.69	10,471.30	29.57	23.35	60.47	2,201.64	-162.92	580.36	529.96	50.40	11.516	
12,800.00	10,757.70	12,432.69	10,472.14	30.10	24.01	60.51	2,301.64	-163.04	580.11	528.70	51.41	11.283	
12,900.00	10,758.03	12,532.69	10,472.97	30.65	24.69	60.55	2,401.63	-163.15	579.86	527.40	52.46	11.054	
13,000.00	10,758.36	12,632.69	10,473.81	31.21	25.37	60.60	2,501.63	-163.27	579.62	526.09	53.53	10.828	
13,100.00	10,758.69	12,732.69	10,474.64	31.79	26.07	60.64	2,601.62	-163.39	579.37	524.75	54.62	10.607	
13,200.00	10,759.02	12,832.69	10,475.47	32.38	26.78	60.68	2,701.62	-163.51	579.12	523.39	55.74	10.390	
13,300.00	10,759.35	12,932.69	10,476.31	32.98	27.49	60.73	2,801.61	-163.62	578.88	522.00	56.88	10.178	
13,400.00	10,759.68	13,032.68	10,477.14	33.59	28.22	60.77	2,901.61	-163.74	578.63	520.60	58.03	9.971	
13,500.00	10,760.02	13,132.68	10,477.98	34.22	28.95	60.81	3,001.60	-163.86	578.39	519.18	59.21	9.768	
13,600.00	10,760.35	13,232.68	10,478.81	34.85	29.69	60.86	3,101.60	-163.97	578.14	517.74	60.40	9.571	
13,700.00	10,760.68	13,332.68	10,479.65	35.49	30.43	60.90	3,201.59	-164.09	577.90	516.28	61.62	9.379	
13,800.00	10,761.01	13,432.68	10,480.48	36.14	31.18	60.95	3,301.59	-164.21	577.65	514.81	62.84	9.192	
13,900.00	10,761.34	13,532.68	10,481.32	36.80	31.93	60.99	3,401.58	-164.33	577.41	513.33	64.09	9.010	
14,000.00	10,761.67	13,632.68	10,482.15	37.47	32.69	61.03	3,501.58	-164.44	577.17	511.83	65.34	8.833	
14,100.00	10,762.00	13,732.68	10,482.98	38.15	33.46	61.08	3,601.57	-164.56	576.92	510.31	66.61	8.661	
14,200.00	10,762.33	13,832.67	10,483.82	38.83	34.23	61.12	3,701.57	-164.68	576.68	508.79	67.89	8.494	
14,300.00	10,762.66	13,932.67	10,484.65	39.52	35.00	61.16	3,801.56	-164.79	576.44	507.25	69.19	8.331	
14,400.00	10,762.99	14,032.67	10,485.49	40.22	35.78	61.21	3,901.56	-164.91	576.20	505.70	70.50	8.174	
14,500.00	10,763.33	14,132.67	10,486.32	40.92	36.56	61.25	4,001.55	-165.03	575.96	504.14	71.81	8.020	
14,600.00	10,763.66	14,232.67	10,487.16	41.63	37.35	61.30	4,101.55	-165.15	575.71	502.57	73.14	7.871	
14,700.00	10,763.99	14,332.67	10,487.99	42.34	38.13	61.34	4,201.54	-165.26	575.47	500.99	74.48	7.727	
14,800.00	10,764.32	14,432.67	10,488.82	43.06	38.92	61.38	4,301.54	-165.38	575.23	499.41	75.83	7.586	
14,900.00	10,764.65	14,532.67	10,489.66	43.79	39.72	61.43	4,401.53	-165.50	574.99	497.81	77.18	7.450	
15,000.00	10,764.98	14,632.66	10,490.49	44.51	40.51	61.47	4,501.53	-165.61	574.75	496.21	78.55	7.317	
15,100.00	10,765.31	14,732.66	10,491.33	45.25	41.31	61.52	4,601.52	-165.73	574.51	494.59	79.92	7.189	
15,200.00	10,765.64	14,832.66	10,492.16	45.99	42.11	61.56	4,701.52	-165.85	574.27	492.97	81.30	7.064	
15,300.00	10,765.97	14,932.66	10,493.00	46.73	42.91	61.60	4,801.52	-165.96	574.03	491.35	82.69	6.942	
15,400.00	10,766.30	15,032.66	10,493.83	47.47	43.72	61.65	4,901.51	-166.08	573.80	489.71	84.08	6.824	
15,500.00	10,766.63	15,132.66	10,494.67	48.22	44.53	61.69	5,001.51	-166.20	573.56	488.07	85.49	6.709	
15,600.00	10,766.97	15,232.66	10,495.50	48.97	45.33	61.74	5,101.50	-166.32	573.32	486.43	86.89	6.598	
15,700.00	10,767.30	15,332.66	10,496.33	49.73	46.14	61.78	5,201.50	-166.43	573.08	484.77	88.31	6.490	
15,800.00	10,767.63	15,432.65	10,497.17	50.49	46.96	61.83	5,301.49	-166.55	572.84	483.11	89.73	6.384	
15,900.00	10,767.96	15,532.65	10,498.00	51.25	47.77	61.87	5,401.49	-166.67	572.61	481.45	91.16	6.282	
16,000.00	10,768.29	15,632.65	10,498.84	52.02	48.58	61.92	5,501.48	-166.78	572.37	479.78	92.59	6.182	
16,100.00	10,768.62	15,732.65	10,499.67	52.79	49.40	61.96	5,601.48	-166.90	572.13	478.11	94.03	6.085	
16,200.00	10,768.95	15,832.65	10,500.51	53.56	50.22	62.00	5,701.47	-167.02	571.90	476.43	95.47	5.990	
16,300.00	10,769.28	15,932.65	10,501.34	54.33	51.04	62.05	5,801.47	-167.14	571.66	474.75	96.92	5.898	
16,400.00	10,769.61	16,032.65	10,502.18	55.11	51.86	62.09	5,901.46	-167.25	571.43	473.06	98.37	5.809	
16,500.00	10,769.94	16,132.65	10,503.01	55.89	52.68	62.14	6,001.46	-167.37	571.19	471.37	99.83	5.722	
16,600.00	10,770.27	16,232.64	10,503.84	56.67	53.50	62.18	6,101.45	-167.49	570.96	469.67	101.29	5.637	
16,700.00	10,770.61	16,332.64	10,504.68	57.45	54.33	62.23	6,201.45	-167.60	570.72	467.97	102.75	5.554	
16,800.00	10,770.94	16,432.64	10,505.51	58.24	55.15	62.27	6,301.44	-167.72	570.49	466.27	104.22	5.474	
16,900.00	10,771.27	16,532.64	10,506.35	59.02	55.98	62.32	6,401.44	-167.84	570.26	464.56	105.70	5.395	
17,000.00	10,771.60	16,632.64	10,507.18	59.81	56.80	62.36	6,501.43	-167.95	570.02	462.85	107.18	5.319	
17,100.00	10,771.93	16,732.64	10,508.02	60.60	57.63	62.41	6,601.43	-168.07	569.79	461.13	108.66	5.244	
17,200.00	10,772.26	16,832.64	10,508.85	61.39	58.46	62.45	6,701.42	-168.19	569.56	459.42	110.14	5.171	
17,300.00	10,772.59	16,932.64	10,509.68	62.19	59.29	62.50	6,801.42	-168.31	569.33	457.69	111.63	5.100	
17,400.00	10,772.92	17,032.63	10,510.52	62.99	60.12	62.54	6,901.41	-168.42	569.09	455.97	113.12	5.031	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	
17,500.00	10,773.25	17,132.63	10,511.35	63.78	60.95	62.59	7,001.41	-168.54	568.86	454.24	114.62	4.963	
17,600.00	10,773.58	17,232.63	10,512.19	64.58	61.78	62.63	7,101.40	-168.66	568.63	452.51	116.12	4.897	
17,700.00	10,773.91	17,332.63	10,513.02	65.38	62.61	62.68	7,201.40	-168.77	568.40	450.78	117.62	4.833	
17,800.00	10,774.25	17,432.63	10,513.86	66.18	63.44	62.72	7,301.39	-168.89	568.17	449.05	119.12	4.770	
17,900.00	10,774.58	17,532.63	10,514.69	66.99	64.28	62.77	7,401.39	-169.01	567.94	447.31	120.63	4.708	
18,000.00	10,774.91	17,632.63	10,515.53	67.79	65.11	62.81	7,501.39	-169.13	567.71	445.57	122.14	4.648	
18,100.00	10,775.24	17,732.63	10,516.36	68.60	65.95	62.86	7,601.38	-169.24	567.48	443.82	123.66	4.589	
18,200.00	10,775.57	17,832.62	10,517.19	69.41	66.78	62.90	7,701.38	-169.36	567.25	442.08	125.17	4.532	
18,300.00	10,775.90	17,932.62	10,518.03	70.21	67.62	62.95	7,801.37	-169.48	567.02	440.33	126.69	4.476	
18,400.00	10,776.23	18,032.62	10,518.86	71.02	68.45	62.99	7,901.37	-169.59	566.80	438.58	128.21	4.421	
18,500.00	10,776.56	18,132.62	10,519.70	71.83	69.29	63.04	8,001.36	-169.71	566.57	436.83	129.74	4.367	
18,600.00	10,776.89	18,232.62	10,520.53	72.65	70.13	63.08	8,101.36	-169.83	566.34	435.08	131.26	4.315	
18,700.00	10,777.22	18,332.62	10,521.37	73.46	70.96	63.13	8,201.35	-169.95	566.11	433.32	132.79	4.263	
18,800.00	10,777.56	18,432.62	10,522.20	74.27	71.80	63.18	8,301.35	-170.06	565.89	431.56	134.32	4.213	
18,900.00	10,777.89	18,532.62	10,523.04	75.09	72.64	63.22	8,401.34	-170.18	565.66	429.80	135.86	4.164	
19,000.00	10,778.22	18,632.61	10,523.87	75.90	73.48	63.27	8,501.34	-170.30	565.43	428.04	137.39	4.115	
19,100.00	10,778.55	18,732.61	10,524.70	76.72	74.32	63.31	8,601.33	-170.41	565.21	426.28	138.93	4.068	
19,200.00	10,778.88	18,832.61	10,525.54	77.54	75.16	63.36	8,701.33	-170.53	564.98	424.51	140.47	4.022	
19,300.00	10,779.21	18,932.61	10,526.37	78.36	76.00	63.40	8,801.32	-170.65	564.76	422.74	142.02	3.977	
19,400.00	10,779.54	19,032.61	10,527.21	79.18	76.84	63.45	8,901.32	-170.76	564.53	420.97	143.56	3.932	
19,500.00	10,779.87	19,132.61	10,528.04	80.00	77.68	63.50	9,001.31	-170.88	564.31	419.20	145.11	3.889	
19,600.00	10,780.20	19,232.61	10,528.88	80.82	78.52	63.54	9,101.31	-171.00	564.08	417.43	146.66	3.846	
19,700.00	10,780.53	19,332.61	10,529.71	81.64	79.36	63.59	9,201.30	-171.12	563.86	415.66	148.21	3.805	
19,800.00	10,780.86	19,432.60	10,530.54	82.46	80.21	63.63	9,301.30	-171.23	563.64	413.88	149.76	3.764	
19,900.00	10,781.20	19,532.60	10,531.38	83.28	81.05	63.68	9,401.29	-171.35	563.42	412.10	151.31	3.724	
20,000.00	10,781.53	19,632.60	10,532.21	84.11	81.89	63.72	9,501.29	-171.47	563.19	410.32	152.87	3.684	
20,100.00	10,781.86	19,732.60	10,533.05	84.93	82.73	63.77	9,601.28	-171.58	562.97	408.54	154.43	3.646	
20,200.00	10,782.19	19,832.60	10,533.88	85.76	83.58	63.82	9,701.28	-171.70	562.75	406.76	155.99	3.608	
20,300.00	10,782.52	19,932.60	10,534.72	86.58	84.42	63.86	9,801.27	-171.82	562.53	404.98	157.55	3.570	
20,400.00	10,782.85	20,032.60	10,535.55	87.41	85.26	63.91	9,901.27	-171.94	562.31	403.19	159.11	3.534	
20,500.00	10,783.18	20,132.59	10,536.39	88.23	86.11	63.95	10,001.26	-172.05	562.09	401.41	160.68	3.498	
20,600.00	10,783.51	20,232.59	10,537.22	89.06	86.95	64.00	10,101.26	-172.17	561.87	399.62	162.24	3.463	
20,700.00	10,783.84	20,332.59	10,538.05	89.89	87.80	64.05	10,201.26	-172.29	561.65	397.83	163.81	3.429	
20,800.00	10,784.17	20,432.59	10,538.89	90.72	88.64	64.09	10,301.25	-172.40	561.43	396.04	165.38	3.395	
20,900.00	10,784.50	20,532.59	10,539.72	91.55	89.48	64.14	10,401.25	-172.52	561.21	394.25	166.96	3.361	
21,000.00	10,784.84	20,632.59	10,540.56	92.38	90.33	64.19	10,501.24	-172.64	560.99	392.46	168.53	3.329	
21,049.69	10,785.00	20,682.28	10,540.97	92.79	90.75	64.21	10,550.93	-172.70	560.88	391.57	169.31	3.313	
21,050.14	10,785.00	20,682.73	10,540.98	92.79	90.75	64.21	10,551.38	-172.70	560.88	391.56	169.32	3.313	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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:	
Measured Depth (usft)												Distance	
Vertical Depth (usft)												Between Centres (usft)	
Offset												Between Ellipses (usft)	
Semi Major Axis												No-Go Distance (usft)	
Reference												Separation Factor	
Offset												Warning	
Highside Toolface (°)													
+N/-S (usft)													
+E/-W (usft)													
0.00	0.00	0.00	0.00	0.00	0.00	0.00	179.43	-20.00	0.20	20.00			
100.00	100.00	100.00	100.00	0.77	0.77	179.43	-20.00	0.20	20.00	18.01	1.99	10.045	
200.00	200.00	200.00	200.00	1.44	1.44	179.43	-20.00	0.20	20.00	16.69	3.31	6.040	
300.00	300.00	300.00	300.00	1.88	1.88	179.43	-20.00	0.20	20.00	15.81	4.20	4.767	
400.00	400.00	400.00	400.00	2.25	2.25	179.43	-20.00	0.20	20.00	15.09	4.91	4.072	
500.00	500.00	500.00	500.00	2.56	2.56	179.43	-20.00	0.20	20.00	14.47	5.53	3.615	
600.00	600.00	600.00	600.00	2.84	2.84	179.43	-20.00	0.20	20.00	13.91	6.09	3.284	
700.00	700.00	700.00	700.00	3.10	3.10	179.43	-20.00	0.20	20.00	13.40	6.60	3.030	
800.00	800.00	800.00	800.00	3.34	3.34	179.43	-20.00	0.20	20.00	12.92	7.08	2.826	Normal Operations
900.00	900.00	900.00	900.00	3.57	3.57	179.43	-20.00	0.20	20.00	12.48	7.52	2.658	Normal Operations
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	179.43	-20.00	0.20	20.00	12.05	7.95	2.517	Normal Operations
1,100.00	1,100.00	1,100.00	1,100.00	3.99	3.99	179.43	-20.00	0.20	20.00	11.65	8.35	2.395	Caution - Monitor Closely
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	179.43	-20.00	0.20	20.00	11.26	8.74	2.289	Caution - Monitor Closely
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	179.43	-20.00	0.20	20.00	10.89	9.11	2.195	Caution - Monitor Closely
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	179.43	-20.00	0.20	20.00	10.53	9.47	2.111	Caution - Monitor Closely
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	179.43	-20.00	0.20	20.00	10.18	9.82	2.036	Caution - Monitor Closely
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	179.43	-20.00	0.20	20.00	9.84	10.16	1.968	Caution - Monitor Closely
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	179.43	-20.00	0.20	20.00	9.51	10.49	1.906	Caution - Monitor Closely
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	179.43	-20.00	0.20	20.00	9.19	10.82	1.849	Caution - Monitor Closely
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	179.43	-20.00	0.20	20.00	8.87	11.13	1.797	Caution - Monitor Closely
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	179.43	-20.00	0.20	20.00	8.56	11.44	1.748	Caution - Monitor Closely, CC
2,100.00	2,099.98	2,100.01	2,099.99	5.79	5.78	-99.12	-20.00	-1.55	20.26	8.54	11.72	1.729	Caution - Monitor Closely, ES, SF
2,200.00	2,199.84	2,200.01	2,199.85	6.01	6.00	-98.92	-20.00	-6.78	21.05	9.07	11.98	1.757	Caution - Monitor Closely
2,300.00	2,299.45	2,300.00	2,299.45	6.26	6.21	-98.63	-20.00	-15.49	22.35	10.12	12.23	1.828	Caution - Monitor Closely
2,400.00	2,398.70	2,399.98	2,398.69	6.52	6.42	-98.26	-20.00	-27.68	24.18	11.70	12.48	1.937	Caution - Monitor Closely
2,499.94	2,497.41	2,499.89	2,497.36	6.80	6.62	-97.87	-20.00	-43.30	26.52	13.78	12.74	2.082	Caution - Monitor Closely
2,600.00	2,595.95	2,599.86	2,595.48	7.04	6.83	-94.12	-20.00	-62.37	29.20	16.22	12.99	2.248	Caution - Monitor Closely
2,700.00	2,694.43	2,699.51	2,692.58	7.29	7.03	-84.97	-20.00	-84.78	32.63	19.36	13.27	2.459	Caution - Monitor Closely
2,800.00	2,792.91	2,798.95	2,788.74	7.56	7.12	-73.41	-20.00	-110.08	37.91	24.32	13.59	2.790	Normal Operations
2,900.00	2,891.39	2,898.52	2,884.92	7.84	7.26	-64.43	-20.00	-135.85	44.59	30.55	14.04	3.176	
3,000.00	2,989.87	2,998.08	2,981.09	8.15	7.40	-57.90	-20.00	-161.62	52.08	37.56	14.52	3.587	
3,100.00	3,088.35	3,097.65	3,077.27	8.46	7.55	-53.05	-20.00	-187.39	60.07	45.05	15.01	4.001	
3,200.00	3,186.83	3,197.22	3,173.45	8.79	7.70	-49.36	-20.00	-213.16	68.38	52.87	15.51	4.408	
3,300.00	3,285.31	3,296.79	3,269.62	9.13	7.86	-46.48	-20.00	-238.94	76.92	60.89	16.02	4.801	
3,400.00	3,383.80	3,396.36	3,365.80	9.48	8.02	-44.17	-20.00	-264.71	85.61	69.07	16.54	5.177	
3,500.00	3,482.28	3,495.93	3,461.97	9.84	8.18	-42.29	-20.00	-290.48	94.41	77.35	17.06	5.534	
3,600.00	3,580.76	3,595.50	3,558.15	10.21	8.35	-40.74	-20.00	-316.25	103.29	85.70	17.59	5.872	
3,700.00	3,679.24	3,695.07	3,654.32	10.58	8.52	-39.43	-20.00	-342.02	112.24	94.12	18.13	6.192	
3,800.00	3,777.72	3,794.63	3,750.50	10.96	8.69	-38.31	-20.00	-367.79	121.24	102.57	18.67	6.493	
3,900.00	3,876.20	3,894.20	3,846.68	11.35	8.86	-37.35	-20.00	-393.56	130.28	111.05	19.23	6.777	
4,000.00	3,974.68	3,993.77	3,942.85	11.74	9.04	-36.52	-20.00	-419.33	139.35	119.57	19.78	7.044	
4,100.00	4,073.16	4,093.34	4,039.03	12.13	9.22	-35.78	-20.00	-445.10	148.45	128.10	20.35	7.295	
4,200.00	4,171.64	4,192.91	4,135.20	12.53	9.41	-35.14	-20.00	-470.87	157.56	136.64	20.92	7.532	
4,300.00	4,270.13	4,292.48	4,231.38	12.93	9.59	-34.56	-20.00	-496.64	166.70	145.20	21.50	7.755	
4,400.00	4,368.61	4,392.05	4,327.56	13.34	9.78	-34.04	-20.00	-522.41	175.85	153.77	22.08	7.965	
4,500.00	4,467.09	4,491.61	4,423.73	13.75	9.97	-33.57	-20.00	-548.18	185.01	162.35	22.66	8.163	
4,600.00	4,565.57	4,591.18	4,519.91	14.16	10.16	-33.15	-20.00	-573.95	194.18	170.93	23.25	8.350	
4,700.00	4,664.05	4,690.75	4,616.08	14.58	10.35	-32.77	-20.00	-599.72	203.37	179.52	23.85	8.527	
4,800.00	4,762.53	4,790.32	4,712.26	15.00	10.55	-32.42	-20.00	-625.49	212.56	188.11	24.45	8.694	
4,900.00	4,861.01	4,889.89	4,808.44	15.42	10.75	-32.09	-20.00	-651.26	221.76	196.71	25.05	8.852	
5,000.00	4,959.49	4,989.46	4,904.61	15.84	10.94	-31.80	-20.00	-677.03	230.96	205.31	25.66	9.002	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	Highside	Offset Wellbore Centre		Distance	Between	Between	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)	Centres (usft)	Ellipses (usft)	Distance (usft)	Factor	
5,100.00	5,057.97	5,089.03	5,000.79	16.26	11.14	-31.52	-20.00	-702.80	240.17	213.91	26.27	9.144	
5,200.00	5,156.46	5,188.59	5,096.96	16.69	11.35	-31.27	-20.00	-728.57	249.39	222.51	26.88	9.279	
5,300.00	5,254.94	5,288.16	5,193.14	17.11	11.55	-31.03	-20.00	-754.34	258.61	231.12	27.49	9.407	
5,400.00	5,353.42	5,387.73	5,289.31	17.54	11.76	-30.82	-20.00	-780.11	267.83	239.72	28.11	9.528	
5,500.00	5,451.90	5,487.30	5,385.49	17.97	11.96	-30.61	-20.00	-805.88	277.06	248.33	28.73	9.644	
5,600.00	5,550.38	5,586.87	5,481.67	18.40	12.17	-30.42	-20.00	-831.65	286.29	256.94	29.35	9.754	
5,624.17	5,574.18	5,610.93	5,504.91	18.50	12.22	-30.38	-20.00	-837.88	288.52	259.03	29.49	9.783	
5,700.00	5,648.95	5,686.39	5,577.80	18.82	12.38	-30.23	-20.00	-857.41	295.96	266.00	29.96	9.878	
5,800.00	5,747.78	5,785.75	5,673.77	19.24	12.59	-29.91	-20.00	-883.13	307.09	276.49	30.60	10.036	
5,900.00	5,846.87	5,884.91	5,769.55	19.65	12.79	-29.47	-20.00	-908.79	319.74	288.50	31.24	10.236	
6,000.00	5,946.18	5,989.52	5,870.84	20.05	13.02	-28.95	-20.00	-934.95	333.09	301.16	31.93	10.432	
6,100.00	6,045.68	6,094.44	5,972.88	20.44	13.24	-28.44	-20.00	-959.32	346.28	313.68	32.60	10.623	
6,200.00	6,145.33	6,199.63	6,075.63	20.81	13.45	-27.92	-20.00	-981.88	359.31	326.08	33.24	10.811	
6,300.00	6,245.12	6,305.11	6,179.05	21.17	13.66	-27.41	-20.00	-1,002.60	372.19	338.34	33.85	10.996	
6,400.00	6,345.00	6,410.87	6,283.11	21.50	13.87	-26.90	-20.00	-1,021.47	384.90	350.48	34.43	11.181	
6,500.00	6,444.96	6,516.90	6,387.77	21.80	14.07	-26.39	-20.00	-1,038.45	397.45	362.49	34.96	11.368	
6,600.00	6,544.95	6,623.21	6,493.00	22.04	14.27	-25.89	-20.00	-1,053.52	409.84	374.41	35.43	11.567	
6,624.05	6,569.00	6,648.82	6,518.40	22.06	14.32	-107.15	-20.00	-1,056.86	412.79	377.29	35.50	11.627	
6,700.00	6,644.95	6,729.85	6,598.83	22.08	14.47	-106.75	-20.00	-1,066.68	421.60	385.92	35.68	11.816	
6,800.00	6,744.95	6,836.95	6,705.34	22.11	14.66	-106.32	-20.00	-1,077.91	431.66	395.76	35.90	12.024	
6,900.00	6,844.95	6,944.44	6,812.42	22.15	14.84	-105.98	-20.00	-1,087.18	439.94	403.85	36.09	12.189	
7,000.00	6,944.95	7,052.23	6,919.97	22.19	15.01	-105.72	-20.00	-1,094.46	446.44	410.17	36.26	12.311	
7,100.00	7,044.95	7,160.26	7,027.87	22.22	15.18	-105.54	-20.00	-1,099.72	451.13	414.72	36.41	12.390	
7,200.00	7,144.95	7,268.46	7,136.02	22.26	15.33	-105.43	-20.00	-1,102.95	454.00	417.47	36.53	12.428	
7,300.00	7,244.95	7,376.73	7,244.28	22.30	15.44	-105.39	-20.00	-1,104.13	455.06	418.46	36.60	12.435	
7,400.00	7,344.95	7,477.40	7,344.95	22.33	15.50	-105.39	-20.00	-1,104.14	455.07	418.38	36.68	12.405	
7,500.00	7,444.95	7,577.40	7,444.95	22.37	15.55	-105.39	-20.00	-1,104.14	455.07	418.29	36.77	12.375	
7,600.00	7,544.95	7,677.40	7,544.95	22.41	15.59	-105.39	-20.00	-1,104.14	455.07	418.21	36.86	12.346	
7,700.00	7,644.95	7,777.40	7,644.95	22.44	15.64	-105.39	-20.00	-1,104.14	455.07	418.12	36.95	12.317	
7,800.00	7,744.95	7,877.40	7,744.95	22.48	15.69	-105.39	-20.00	-1,104.14	455.07	418.03	37.03	12.288	
7,900.00	7,844.95	7,977.40	7,844.95	22.52	15.74	-105.39	-20.00	-1,104.14	455.07	417.95	37.12	12.259	
8,000.00	7,944.95	8,077.40	7,944.95	22.56	15.79	-105.39	-20.00	-1,104.14	455.07	417.86	37.21	12.230	
8,100.00	8,044.95	8,177.40	8,044.95	22.60	15.84	-105.39	-20.00	-1,104.14	455.07	417.77	37.30	12.201	
8,200.00	8,144.95	8,277.40	8,144.95	22.64	15.89	-105.39	-20.00	-1,104.14	455.07	417.68	37.39	12.172	
8,300.00	8,244.95	8,377.40	8,244.95	22.67	15.94	-105.39	-20.00	-1,104.14	455.07	417.59	37.48	12.143	
8,400.00	8,344.95	8,477.40	8,344.95	22.71	15.99	-105.39	-20.00	-1,104.14	455.07	417.50	37.57	12.114	
8,500.00	8,444.95	8,577.40	8,444.95	22.75	16.04	-105.39	-20.00	-1,104.14	455.07	417.41	37.66	12.085	
8,600.00	8,544.95	8,677.40	8,544.95	22.79	16.09	-105.39	-20.00	-1,104.14	455.07	417.32	37.75	12.056	
8,700.00	8,644.95	8,777.40	8,644.95	22.83	16.14	-105.39	-20.00	-1,104.14	455.07	417.23	37.84	12.027	
8,800.00	8,744.95	8,877.40	8,744.95	22.87	16.19	-105.39	-20.00	-1,104.14	455.07	417.14	37.93	11.998	
8,900.00	8,844.95	8,977.40	8,844.95	22.91	16.25	-105.39	-20.00	-1,104.14	455.07	417.04	38.02	11.968	
9,000.00	8,944.95	9,077.40	8,944.95	22.95	16.30	-105.39	-20.00	-1,104.14	455.07	416.95	38.12	11.939	
9,100.00	9,044.95	9,177.40	9,044.95	22.99	16.35	-105.39	-20.00	-1,104.14	455.07	416.86	38.21	11.910	
9,200.00	9,144.95	9,277.40	9,144.95	23.04	16.40	-105.39	-20.00	-1,104.14	455.07	416.76	38.30	11.881	
9,300.00	9,244.95	9,377.40	9,244.95	23.08	16.45	-105.39	-20.00	-1,104.14	455.07	416.67	38.40	11.852	
9,400.00	9,344.95	9,477.40	9,344.95	23.12	16.51	-105.39	-20.00	-1,104.14	455.07	416.58	38.49	11.823	
9,500.00	9,444.95	9,577.40	9,444.95	23.16	16.56	-105.39	-20.00	-1,104.14	455.07	416.48	38.59	11.794	
9,600.00	9,544.95	9,677.40	9,544.95	23.20	16.61	-105.39	-20.00	-1,104.14	455.07	416.39	38.68	11.764	
9,700.00	9,644.95	9,777.40	9,644.95	23.24	16.67	-105.39	-20.00	-1,104.14	455.07	416.29	38.78	11.735	
9,800.00	9,744.95	9,877.40	9,744.95	23.29	16.72	-105.39	-20.00	-1,104.14	455.07	416.19	38.87	11.706	
9,900.00	9,844.95	9,977.40	9,844.95	23.33	16.77	-105.39	-20.00	-1,104.14	455.07	416.10	38.97	11.677	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	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		
10,000.00	9,944.95	10,077.40	9,944.95	23.37	16.83	-105.39	-20.00	-1,104.14	455.07	416.00	39.07	11.648		
10,100.00	10,044.95	10,185.65	10,053.16	23.41	16.87	-105.21	-18.52	-1,104.19	454.80	415.68	39.12	11.627		
10,200.00	10,144.95	10,307.81	10,172.39	23.46	16.87	-102.11	6.48	-1,105.06	450.51	411.10	39.40	11.434		
10,300.00	10,244.95	10,411.81	10,266.14	23.50	16.87	-96.44	51.00	-1,106.62	444.53	404.49	40.04	11.102		
10,329.59	10,274.54	10,438.35	10,288.33	23.50	16.87	-94.56	65.54	-1,107.13	443.35	403.12	40.23	11.020		
10,350.00	10,294.94	10,455.81	10,302.48	23.50	16.87	-93.27	75.77	-1,107.48	442.88	402.51	40.37	10.970		
10,368.41	10,313.32	10,471.25	10,314.67	23.51	16.87	-92.16	85.24	-1,107.82	442.75	402.25	40.49	10.934		
10,375.00	10,319.88	10,476.71	10,318.91	23.51	16.88	-91.76	88.69	-1,107.94	442.76	402.23	40.54	10.923		
10,400.00	10,344.69	10,497.14	10,334.40	23.51	16.88	-90.25	101.99	-1,108.40	443.13	402.44	40.69	10.890		
10,425.00	10,369.31	10,517.14	10,349.00	23.51	16.88	-88.74	115.64	-1,108.88	443.96	403.13	40.84	10.872		
10,450.00	10,393.67	10,536.74	10,362.75	23.51	16.89	-87.23	129.61	-1,109.36	445.23	404.26	40.97	10.867		
10,475.00	10,417.71	10,555.99	10,375.68	23.52	16.89	-85.72	143.86	-1,109.86	446.92	405.82	41.10	10.874		
10,500.00	10,441.35	10,575.00	10,387.87	23.52	16.90	-84.23	158.44	-1,110.37	448.99	407.76	41.22	10.891		
10,525.00	10,464.54	10,593.55	10,399.20	23.52	16.91	-82.75	173.11	-1,110.88	451.40	410.06	41.34	10.919		
10,550.00	10,487.20	10,611.91	10,409.84	23.52	16.92	-81.29	188.07	-1,111.41	454.14	412.69	41.45	10.956		
10,575.00	10,509.28	10,630.03	10,419.77	23.53	16.93	-79.85	203.21	-1,111.93	457.16	415.60	41.56	11.000		
10,600.00	10,530.72	10,650.00	10,430.04	23.53	16.94	-78.32	220.32	-1,112.53	460.44	418.78	41.66	11.052		
10,625.00	10,551.46	10,665.61	10,437.57	23.53	16.96	-77.05	233.98	-1,113.01	463.93	422.16	41.77	11.107		
10,650.00	10,571.43	10,683.10	10,445.46	23.54	16.97	-75.70	249.59	-1,113.55	467.60	425.73	41.87	11.168		
10,675.00	10,590.60	10,700.00	10,452.55	23.54	16.99	-74.41	264.92	-1,114.09	471.42	429.46	41.97	11.234		
10,700.00	10,608.89	10,717.59	10,459.33	23.55	17.01	-73.11	281.13	-1,114.66	475.36	433.30	42.06	11.302		
10,725.00	10,626.27	10,734.60	10,465.33	23.56	17.04	-71.88	297.05	-1,115.21	479.38	437.23	42.15	11.373		
10,750.00	10,642.69	10,750.00	10,470.26	23.57	17.06	-70.76	311.62	-1,115.72	483.46	441.22	42.24	11.445		
10,775.00	10,658.10	10,768.25	10,475.49	23.58	17.09	-69.56	329.09	-1,116.33	487.56	445.23	42.33	11.519		
10,800.00	10,672.45	10,784.89	10,479.68	23.59	17.11	-68.47	345.19	-1,116.89	491.66	449.25	42.41	11.593		
10,825.00	10,685.72	10,800.00	10,482.99	23.60	17.14	-67.49	359.92	-1,117.41	495.73	453.25	42.49	11.668		
10,850.00	10,697.86	10,817.88	10,486.31	23.61	17.17	-66.45	377.48	-1,118.02	499.75	457.18	42.57	11.741		
10,875.00	10,708.84	10,834.24	10,488.76	23.63	17.20	-65.53	393.64	-1,118.59	503.69	461.05	42.64	11.813		
10,900.00	10,718.62	10,850.00	10,490.60	23.64	17.24	-64.67	409.29	-1,119.13	507.53	464.82	42.70	11.885		
10,925.00	10,727.19	10,866.73	10,491.99	23.66	17.27	-63.83	425.94	-1,119.71	511.25	468.48	42.77	11.954		
10,950.00	10,734.52	10,882.87	10,492.77	23.68	17.30	-63.07	442.05	-1,120.28	514.83	472.00	42.82	12.022		
10,975.00	10,740.59	10,901.21	10,493.05	23.71	17.35	-62.32	460.38	-1,120.92	518.24	475.36	42.88	12.085		
11,000.00	10,745.38	10,925.76	10,493.22	23.73	17.41	-61.61	484.92	-1,121.77	521.18	478.22	42.97	12.129		
11,025.00	10,748.89	10,950.52	10,493.40	23.76	17.47	-61.09	509.66	-1,122.64	523.53	480.48	43.05	12.162		
11,050.00	10,751.09	10,975.42	10,493.58	23.79	17.54	-60.76	534.55	-1,123.51	525.25	482.13	43.12	12.180		
11,075.00	10,751.98	11,000.39	10,493.75	23.82	17.60	-60.62	559.50	-1,124.38	526.34	483.14	43.19	12.186		
11,078.01	10,752.00	11,003.40	10,493.78	23.82	17.61	-60.62	562.51	-1,124.48	526.43	483.22	43.20	12.185		
11,100.00	10,752.07	11,025.38	10,493.93	23.85	17.67	-60.67	584.47	-1,125.25	527.03	483.76	43.27	12.181		
11,200.00	10,752.40	11,125.32	10,494.64	24.01	17.98	-60.88	684.35	-1,128.74	529.79	486.19	43.60	12.151		
11,300.00	10,752.74	11,225.26	10,495.35	24.20	18.31	-61.09	784.23	-1,132.22	532.55	488.57	43.99	12.107		
11,400.00	10,753.07	11,325.21	10,496.07	24.43	18.67	-61.30	884.11	-1,135.71	535.32	490.90	44.43	12.050		
11,500.00	10,753.40	11,425.15	10,496.78	24.68	19.06	-61.51	983.99	-1,139.20	538.10	493.19	44.92	11.980		
11,600.00	10,753.73	11,525.09	10,497.49	24.95	19.48	-61.72	1,083.87	-1,142.69	540.89	495.43	45.46	11.898		
11,700.00	10,754.06	11,625.03	10,498.20	25.26	19.93	-61.92	1,183.75	-1,146.18	543.68	497.63	46.05	11.806		
11,800.00	10,754.39	11,724.98	10,498.91	25.59	20.40	-62.12	1,283.63	-1,149.66	546.48	499.79	46.69	11.705		
11,900.00	10,754.72	11,824.92	10,499.62	25.95	20.89	-62.32	1,383.51	-1,153.15	549.29	501.91	47.37	11.595		
12,000.00	10,755.05	11,924.86	10,500.34	26.33	21.41	-62.52	1,483.38	-1,156.64	552.10	504.00	48.10	11.477		
12,100.00	10,755.38	12,024.80	10,501.05	26.73	21.94	-62.71	1,583.26	-1,160.13	554.92	506.05	48.87	11.355		
12,200.00	10,755.71	12,141.46	10,501.88	27.15	22.58	-62.86	1,699.89	-1,162.39	556.39	506.73	49.66	11.204		
12,300.00	10,756.04	12,241.46	10,502.59	27.60	23.15	-62.89	1,799.89	-1,162.51	556.22	505.72	50.50	11.015		
12,400.00	10,756.38	12,341.46	10,503.30	28.06	23.74	-62.93	1,899.88	-1,162.63	556.04	504.67	51.37	10.824		

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	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
12,500.00	10,756.71	12,441.46	10,504.02	28.55	24.34	-62.96	1,999.88	-1,162.75	555.87	503.59	52.28	10.633	
12,600.00	10,757.04	12,541.46	10,504.73	29.05	24.96	-63.00	2,099.88	-1,162.86	555.69	502.48	53.22	10.442	
12,700.00	10,757.37	12,641.46	10,505.44	29.57	25.59	-63.03	2,199.87	-1,162.98	555.52	501.34	54.19	10.252	
12,800.00	10,757.70	12,741.46	10,506.15	30.10	26.23	-63.07	2,299.87	-1,163.10	555.35	500.17	55.18	10.064	
12,900.00	10,758.03	12,841.46	10,506.86	30.65	26.89	-63.10	2,399.87	-1,163.22	555.18	498.97	56.21	9.878	
13,000.00	10,758.36	12,941.46	10,507.58	31.21	27.55	-63.14	2,499.86	-1,163.33	555.00	497.75	57.25	9.694	
13,100.00	10,758.69	13,041.46	10,508.29	31.79	28.23	-63.17	2,599.86	-1,163.45	554.83	496.50	58.33	9.512	
13,200.00	10,759.02	13,141.46	10,509.00	32.38	28.91	-63.21	2,699.86	-1,163.57	554.66	495.24	59.42	9.334	
13,300.00	10,759.35	13,241.46	10,509.71	32.98	29.61	-63.24	2,799.85	-1,163.69	554.49	493.95	60.54	9.159	
13,400.00	10,759.68	13,341.45	10,510.43	33.59	30.31	-63.28	2,899.85	-1,163.80	554.31	492.64	61.68	8.987	
13,500.00	10,760.02	13,441.45	10,511.14	34.22	31.02	-63.31	2,999.85	-1,163.92	554.14	491.31	62.83	8.819	
13,600.00	10,760.35	13,541.45	10,511.85	34.85	31.73	-63.35	3,099.84	-1,164.04	553.97	489.96	64.01	8.655	
13,700.00	10,760.68	13,641.45	10,512.56	35.49	32.46	-63.38	3,199.84	-1,164.16	553.80	488.60	65.20	8.494	
13,800.00	10,761.01	13,741.45	10,513.27	36.14	33.19	-63.42	3,299.84	-1,164.27	553.63	487.22	66.41	8.337	
13,900.00	10,761.34	13,841.45	10,513.99	36.80	33.92	-63.45	3,399.83	-1,164.39	553.46	485.83	67.63	8.183	
14,000.00	10,761.67	13,941.45	10,514.70	37.47	34.66	-63.49	3,499.83	-1,164.51	553.29	484.42	68.87	8.033	
14,100.00	10,762.00	14,041.45	10,515.41	38.15	35.41	-63.52	3,599.83	-1,164.63	553.12	482.99	70.13	7.887	
14,200.00	10,762.33	14,141.45	10,516.12	38.83	36.16	-63.56	3,699.82	-1,164.74	552.95	481.56	71.39	7.745	
14,300.00	10,762.66	14,241.45	10,516.84	39.52	36.92	-63.59	3,799.82	-1,164.86	552.78	480.11	72.67	7.606	
14,400.00	10,762.99	14,341.45	10,517.55	40.22	37.68	-63.63	3,899.82	-1,164.98	552.61	478.64	73.96	7.471	
14,500.00	10,763.33	14,441.45	10,518.26	40.92	38.44	-63.67	3,999.81	-1,165.10	552.44	477.17	75.27	7.340	
14,600.00	10,763.66	14,541.45	10,518.97	41.63	39.21	-63.70	4,099.81	-1,165.21	552.27	475.69	76.58	7.212	
14,700.00	10,763.99	14,641.45	10,519.68	42.34	39.98	-63.74	4,199.81	-1,165.33	552.10	474.20	77.91	7.087	
14,800.00	10,764.32	14,741.44	10,520.40	43.06	40.75	-63.77	4,299.80	-1,165.45	551.93	472.69	79.24	6.965	
14,900.00	10,764.65	14,841.44	10,521.11	43.79	41.53	-63.81	4,399.80	-1,165.57	551.76	471.18	80.58	6.847	
15,000.00	10,764.98	14,941.44	10,521.82	44.51	42.31	-63.84	4,499.80	-1,165.68	551.60	469.66	81.94	6.732	
15,100.00	10,765.31	15,041.44	10,522.53	45.25	43.10	-63.88	4,599.79	-1,165.80	551.43	468.13	83.30	6.620	
15,200.00	10,765.64	15,141.44	10,523.24	45.99	43.88	-63.91	4,699.79	-1,165.92	551.26	466.59	84.67	6.511	
15,300.00	10,765.97	15,241.44	10,523.96	46.73	44.67	-63.95	4,799.79	-1,166.04	551.09	465.04	86.05	6.405	
15,400.00	10,766.30	15,341.44	10,524.67	47.47	45.47	-63.99	4,899.78	-1,166.15	550.92	463.49	87.43	6.301	
15,500.00	10,766.63	15,441.44	10,525.38	48.22	46.26	-64.02	4,999.78	-1,166.27	550.76	461.93	88.83	6.200	
15,600.00	10,766.97	15,541.44	10,526.09	48.97	47.06	-64.06	5,099.78	-1,166.39	550.59	460.37	90.22	6.102	
15,700.00	10,767.30	15,641.44	10,526.81	49.73	47.85	-64.09	5,199.77	-1,166.51	550.42	458.79	91.63	6.007	
15,800.00	10,767.63	15,741.44	10,527.52	50.49	48.65	-64.13	5,299.77	-1,166.62	550.26	457.21	93.04	5.914	
15,900.00	10,767.96	15,841.44	10,528.23	51.25	49.46	-64.16	5,399.77	-1,166.74	550.09	455.63	94.46	5.823	
16,000.00	10,768.29	15,941.44	10,528.94	52.02	50.26	-64.20	5,499.76	-1,166.86	549.92	454.04	95.89	5.735	
16,100.00	10,768.62	16,041.44	10,529.65	52.79	51.07	-64.23	5,599.76	-1,166.98	549.76	452.44	97.32	5.649	
16,200.00	10,768.95	16,141.43	10,530.37	53.56	51.87	-64.27	5,699.76	-1,167.09	549.59	450.84	98.75	5.565	
16,300.00	10,769.28	16,241.43	10,531.08	54.33	52.68	-64.31	5,799.75	-1,167.21	549.43	449.23	100.19	5.484	
16,400.00	10,769.61	16,341.43	10,531.79	55.11	53.49	-64.34	5,899.75	-1,167.33	549.26	447.62	101.64	5.404	
16,500.00	10,769.94	16,441.43	10,532.50	55.89	54.30	-64.38	5,999.75	-1,167.45	549.10	446.01	103.09	5.326	
16,600.00	10,770.27	16,541.43	10,533.22	56.67	55.12	-64.41	6,099.74	-1,167.56	548.93	444.38	104.55	5.251	
16,700.00	10,770.61	16,641.43	10,533.93	57.45	55.93	-64.45	6,199.74	-1,167.68	548.77	442.76	106.01	5.177	
16,800.00	10,770.94	16,741.43	10,534.64	58.24	56.75	-64.49	6,299.74	-1,167.80	548.60	441.13	107.47	5.105	
16,900.00	10,771.27	16,841.43	10,535.35	59.02	57.56	-64.52	6,399.73	-1,167.92	548.44	439.50	108.94	5.034	
17,000.00	10,771.60	16,941.43	10,536.06	59.81	58.38	-64.56	6,499.73	-1,168.03	548.27	437.86	110.41	4.966	
17,100.00	10,771.93	17,041.43	10,536.78	60.60	59.20	-64.59	6,599.73	-1,168.15	548.11	436.22	111.89	4.899	
17,200.00	10,772.26	17,141.43	10,537.49	61.39	60.02	-64.63	6,699.72	-1,168.27	547.95	434.58	113.37	4.833	
17,300.00	10,772.59	17,241.43	10,538.20	62.19	60.84	-64.67	6,799.72	-1,168.39	547.78	432.93	114.85	4.769	
17,400.00	10,772.92	17,341.43	10,538.91	62.99	61.66	-64.70	6,899.72	-1,168.50	547.62	431.28	116.34	4.707	
17,500.00	10,773.25	17,441.43	10,539.63	63.78	62.49	-64.74	6,999.71	-1,168.62	547.46	429.62	117.83	4.646	

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 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	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	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		
17,600.00	10,773.58	17,541.42	10,540.34	64.58	63.31	-64.77	7,099.71	-1,168.74	547.29	427.97	119.33	4.587		
17,700.00	10,773.91	17,641.42	10,541.05	65.38	64.14	-64.81	7,199.71	-1,168.86	547.13	426.31	120.82	4.528		
17,800.00	10,774.25	17,741.42	10,541.76	66.18	64.96	-64.85	7,299.70	-1,168.97	546.97	424.64	122.32	4.471		
17,900.00	10,774.58	17,841.42	10,542.47	66.99	65.79	-64.88	7,399.70	-1,169.09	546.81	422.98	123.83	4.416		
18,000.00	10,774.91	17,941.42	10,543.19	67.79	66.62	-64.92	7,499.70	-1,169.21	546.64	421.31	125.34	4.361		
18,100.00	10,775.24	18,041.42	10,543.90	68.60	67.44	-64.95	7,599.69	-1,169.33	546.48	419.64	126.84	4.308		
18,200.00	10,775.57	18,141.42	10,544.61	69.41	68.27	-64.99	7,699.69	-1,169.45	546.32	417.96	128.36	4.256		
18,300.00	10,775.90	18,241.42	10,545.32	70.21	69.10	-65.03	7,799.69	-1,169.56	546.16	416.29	129.87	4.205		
18,400.00	10,776.23	18,341.42	10,546.03	71.02	69.93	-65.06	7,899.68	-1,169.68	546.00	414.61	131.39	4.156		
18,500.00	10,776.56	18,441.42	10,546.75	71.83	70.76	-65.10	7,999.68	-1,169.80	545.84	412.93	132.91	4.107		
18,600.00	10,776.89	18,541.42	10,547.46	72.65	71.59	-65.14	8,099.68	-1,169.92	545.68	411.24	134.43	4.059		
18,700.00	10,777.22	18,641.42	10,548.17	73.46	72.43	-65.17	8,199.67	-1,170.03	545.52	409.56	135.96	4.012		
18,800.00	10,777.56	18,741.42	10,548.88	74.27	73.26	-65.21	8,299.67	-1,170.15	545.36	407.87	137.49	3.967		
18,900.00	10,777.89	18,841.41	10,549.60	75.09	74.09	-65.25	8,399.67	-1,170.27	545.20	406.18	139.02	3.922		
19,000.00	10,778.22	18,941.41	10,550.31	75.90	74.92	-65.28	8,499.66	-1,170.39	545.04	404.49	140.55	3.878		
19,100.00	10,778.55	19,041.41	10,551.02	76.72	75.76	-65.32	8,599.66	-1,170.50	544.88	402.79	142.08	3.835		
19,200.00	10,778.88	19,141.41	10,551.73	77.54	76.59	-65.35	8,699.66	-1,170.62	544.72	401.10	143.62	3.793		
19,300.00	10,779.21	19,241.41	10,552.44	78.36	77.43	-65.39	8,799.65	-1,170.74	544.56	399.40	145.16	3.751		
19,400.00	10,779.54	19,341.41	10,553.16	79.18	78.26	-65.43	8,899.65	-1,170.86	544.40	397.70	146.70	3.711		
19,500.00	10,779.87	19,441.41	10,553.87	80.00	79.10	-65.46	8,999.65	-1,170.97	544.24	396.00	148.24	3.671		
19,600.00	10,780.20	19,541.41	10,554.58	80.82	79.94	-65.50	9,099.64	-1,171.09	544.08	394.29	149.79	3.632		
19,700.00	10,780.53	19,641.41	10,555.29	81.64	80.77	-65.54	9,199.64	-1,171.21	543.93	392.59	151.34	3.594		
19,800.00	10,780.86	19,741.41	10,556.01	82.46	81.61	-65.57	9,299.64	-1,171.33	543.77	390.88	152.89	3.557		
19,900.00	10,781.20	19,841.41	10,556.72	83.28	82.45	-65.61	9,399.63	-1,171.44	543.61	389.17	154.44	3.520		
20,000.00	10,781.53	19,941.41	10,557.43	84.11	83.29	-65.65	9,499.63	-1,171.56	543.45	387.46	155.99	3.484		
20,100.00	10,781.86	20,041.41	10,558.14	84.93	84.13	-65.68	9,599.63	-1,171.68	543.30	385.75	157.54	3.449		
20,200.00	10,782.19	20,141.41	10,558.85	85.76	84.96	-65.72	9,699.62	-1,171.80	543.14	384.04	159.10	3.414		
20,300.00	10,782.52	20,241.40	10,559.57	86.58	85.80	-65.76	9,799.62	-1,171.91	542.98	382.32	160.66	3.380		
20,400.00	10,782.85	20,341.40	10,560.28	87.41	86.64	-65.79	9,899.62	-1,172.03	542.82	380.61	162.22	3.346		
20,500.00	10,783.18	20,441.40	10,560.99	88.23	87.48	-65.83	9,999.61	-1,172.15	542.67	378.89	163.78	3.313		
20,600.00	10,783.51	20,541.40	10,561.70	89.06	88.32	-65.87	10,099.61	-1,172.27	542.51	377.17	165.34	3.281		
20,700.00	10,783.84	20,641.40	10,562.42	89.89	89.16	-65.90	10,199.61	-1,172.38	542.36	375.45	166.91	3.249		
20,800.00	10,784.17	20,741.40	10,563.13	90.72	90.00	-65.94	10,299.60	-1,172.50	542.20	373.73	168.47	3.218		
20,900.00	10,784.50	20,841.40	10,563.84	91.55	90.85	-65.98	10,399.60	-1,172.62	542.05	372.00	170.04	3.188		
21,000.00	10,784.84	20,941.40	10,564.55	92.38	91.69	-66.01	10,499.60	-1,172.74	541.89	370.28	171.61	3.158		
21,049.69	10,785.00	20,991.09	10,564.91	92.79	92.11	-66.03	10,549.29	-1,172.79	541.81	369.42	172.39	3.143		
21,050.14	10,785.00	20,991.54	10,564.91	92.79	92.11	-66.03	10,549.74	-1,172.79	541.81	369.42	172.40	3.143		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

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

Offset Depths are relative to Offset Datum

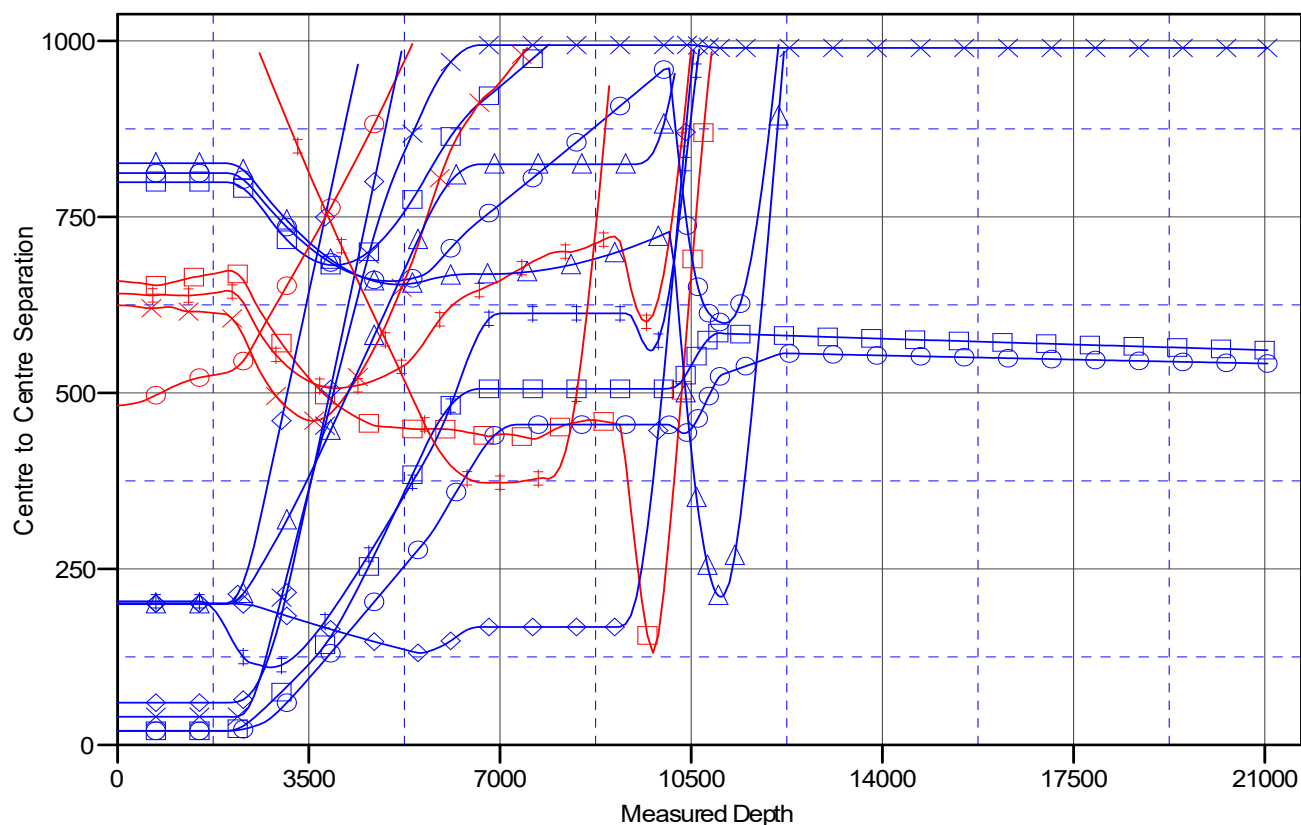
Central Meridian is 104° 20' 0.00W W

Coordinates are relative to: TATER SALAD FEDERAL COM 904H

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

Grid Convergence at Surface is: 0.16°

Ladder Plot



LEGEND

MOMBA FEDERAL COM 702H, OWB, AWP V0	TATER SALAD FEDERAL COM 704H, OWB, PWP2 V0	MOMBA FEDERAL COM 903H, OWB, PWP2 V0
MOMBA FEDERAL COM 703H, OWB, AWP V0	TATER SALAD FEDERAL COM 803H, OWB, PWP2 V0	MOMBA 24 FEDERAL COM 3H, OWB, AWP V0
MOMBA FEDERAL COM 901H, OWB, PWP1 V0	MOMBA 24 FEDERAL COM 1H P&A L, OWB, AWP V0	TATER SALAD FEDERAL COM 802H, OWB, PWP2 V0
MOMBA FEDERAL COM 902H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 801H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 702H, OWB, PWP2 V0
TATER SALAD FEDERAL COM 805H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 703H, OWB, PWP2 V0	
TATER SALAD FEDERAL COM 701H, OWB, PWP2 V0	MOMBA FEDERAL COM 701H, OWB, AWP V0	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Project:	ATLAS PROSPECT_NME	TVD Reference:	RKB=32ft @ 2945.00usft
Reference Site:	TATER SALAD & MOMBA FEDERAL	MD Reference:	RKB=32ft @ 2945.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Permian Prod
Reference Design:	PWP2	Offset TVD Reference:	Reference Datum

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

Offset Depths are relative to Offset Datum

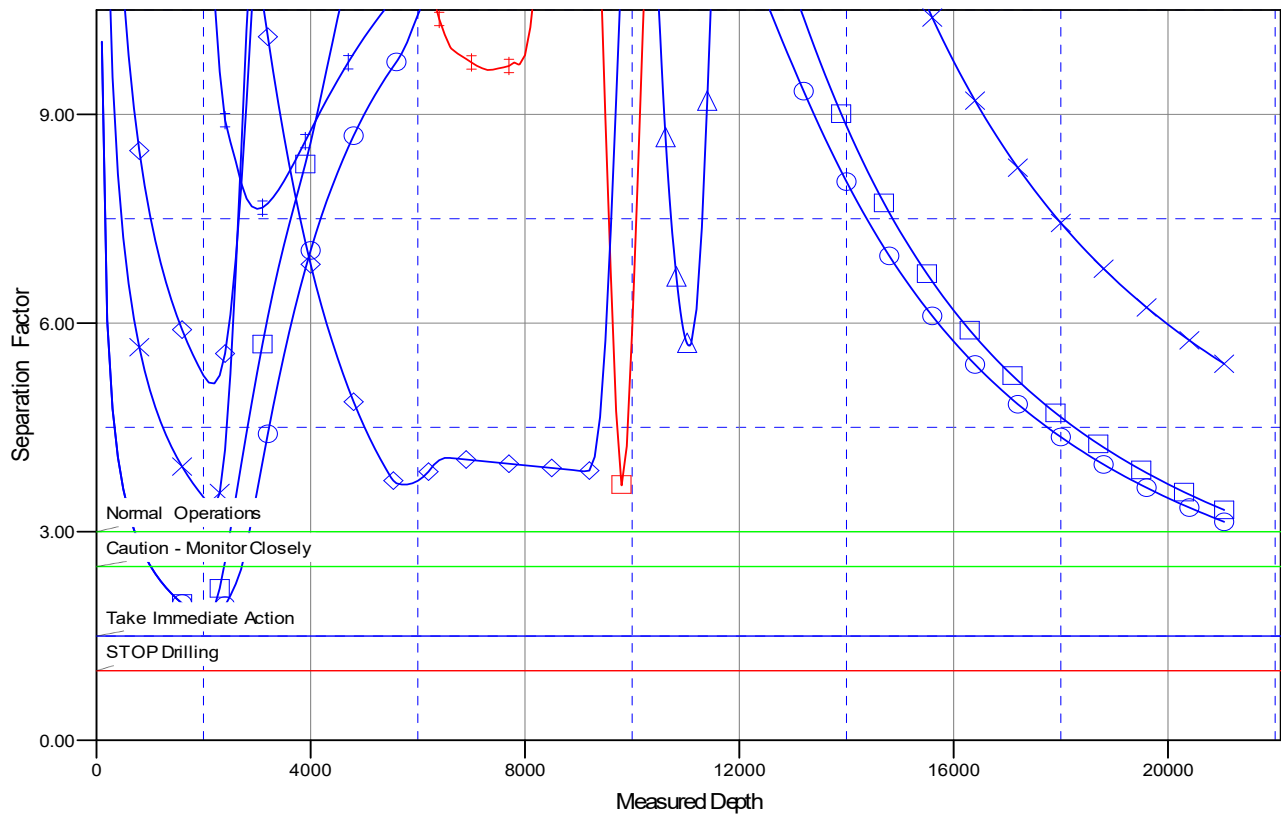
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: TATER SALAD FEDERAL COM 904H

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

Grid Convergence at Surface is: 0.16°

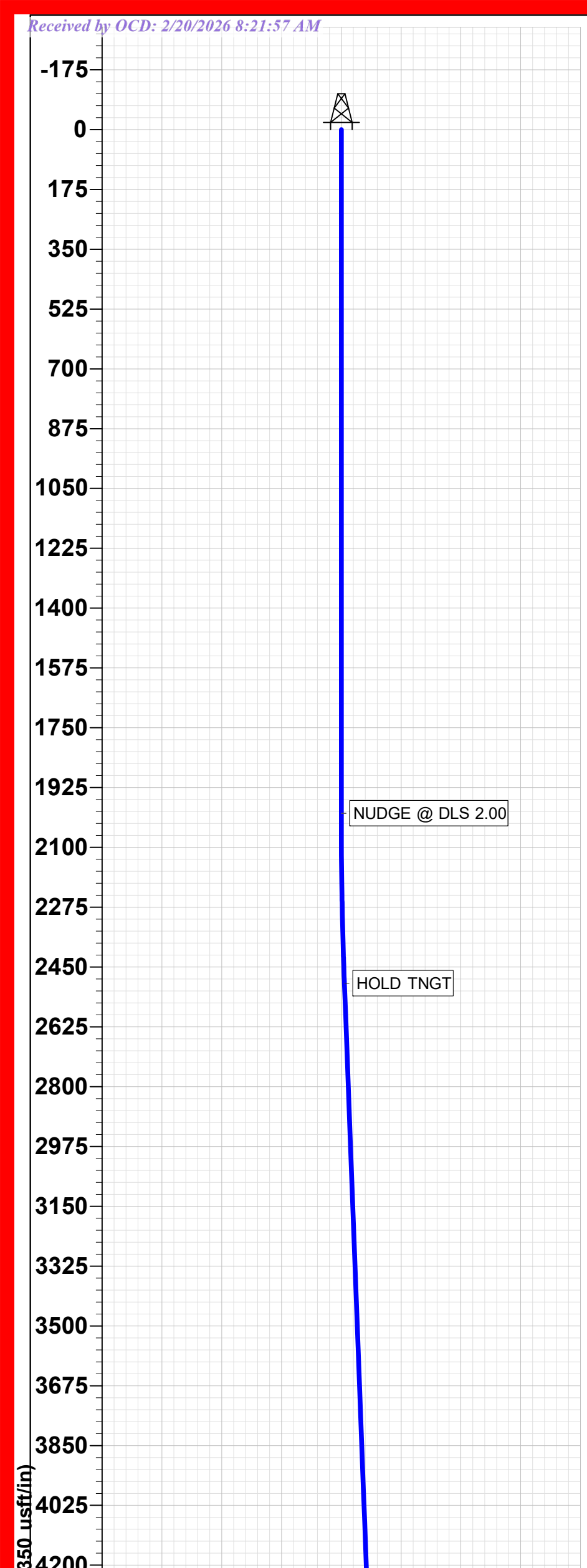
Separation Factor Plot



LEGEND

MOMBA FEDERAL COM 702H, OWB, AWP V0	TATER SALAD FEDERAL COM 704H, OWB, PWP2 V0	MOMBA FEDERAL COM 903H, OWB, PWP2 V0
MOMBA FEDERAL COM 703H, OWB, AWP V0	TATER SALAD FEDERAL COM 803H, OWB, PWP2 V0	MOMBA 24 FEDERAL COM 3H, OWB, AWP V0
MOMBA FEDERAL COM 901H, OWB, PWP1 V0	MOMBA 24 FEDERAL COM 1H(P&A), OWB, AWP V0	TATER SALAD FEDERAL COM 902H, OWB, PWP2 V0
MOMBA FEDERAL COM 902H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 901H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 702H, OWB, PWP2 V0
TATER SALAD FEDERAL COM 904H, OWB, PWP2 V0	TATER SALAD FEDERAL COM 703H, OWB, PWP2 V0	
TATER SALAD FEDERAL COM 701H, OWB, PWP2 V0	MOMBA FEDERAL COM 701H, OWB, AWP V0	

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

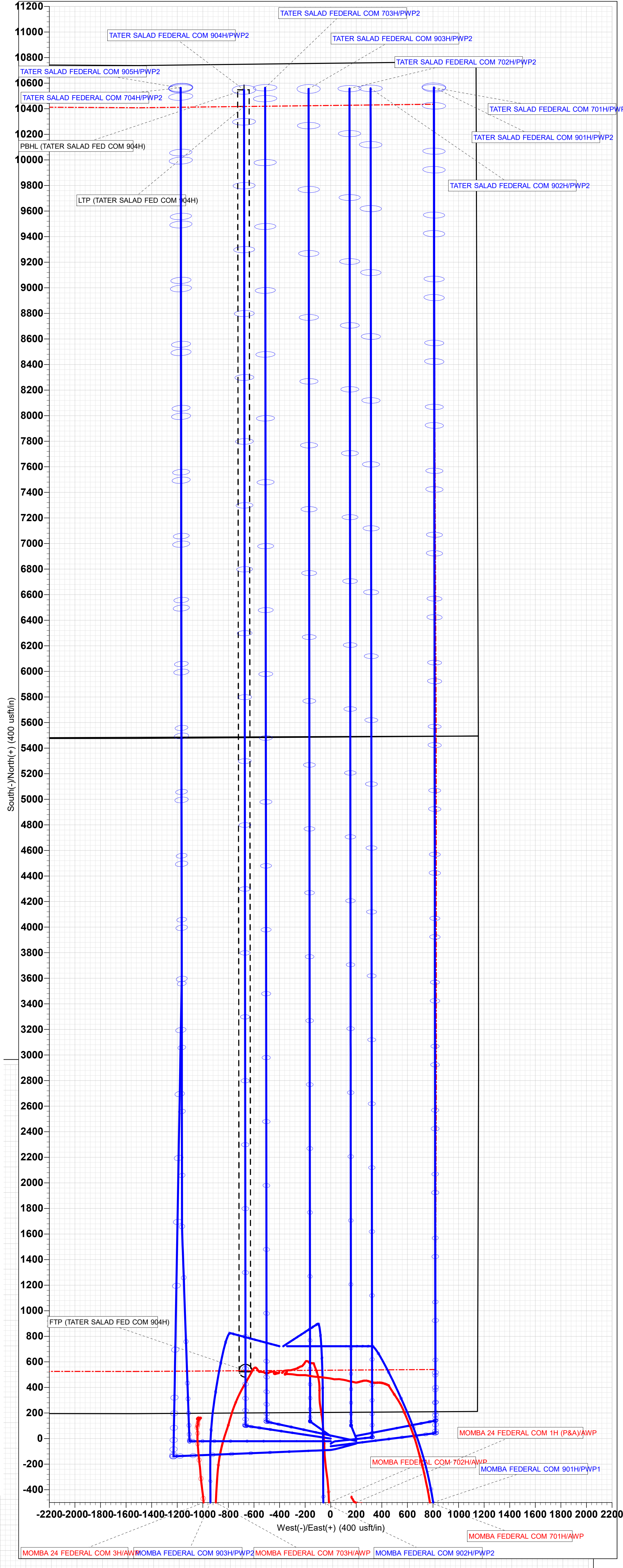
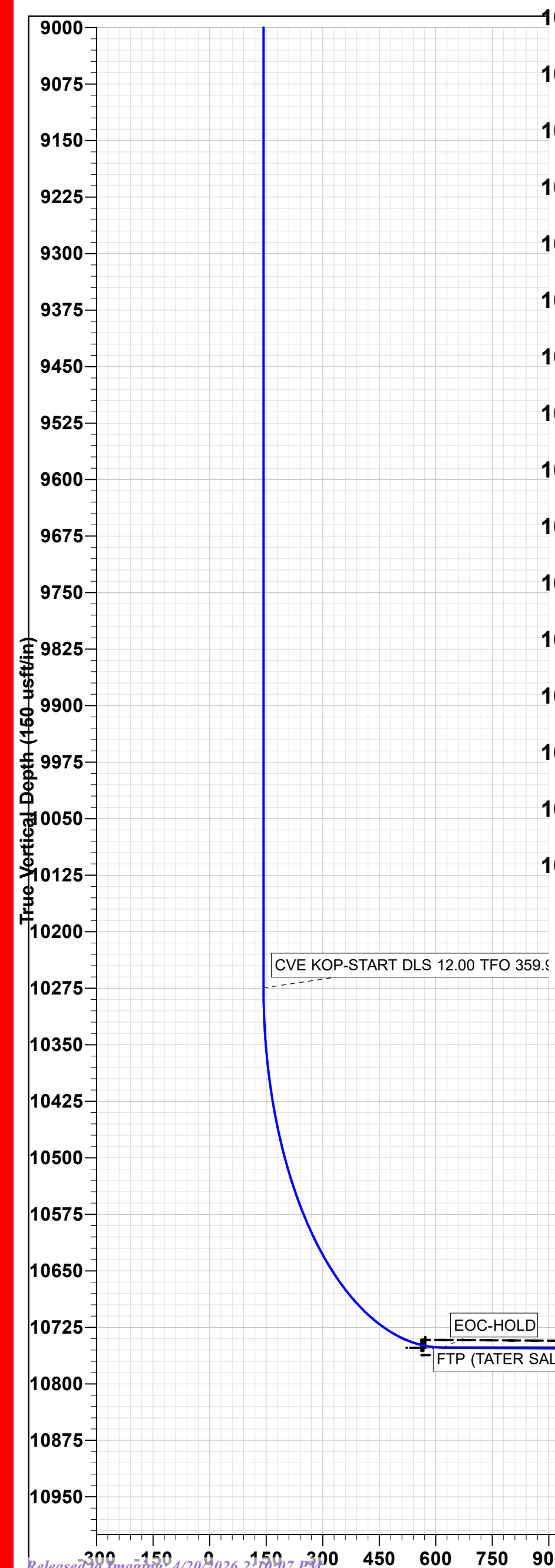
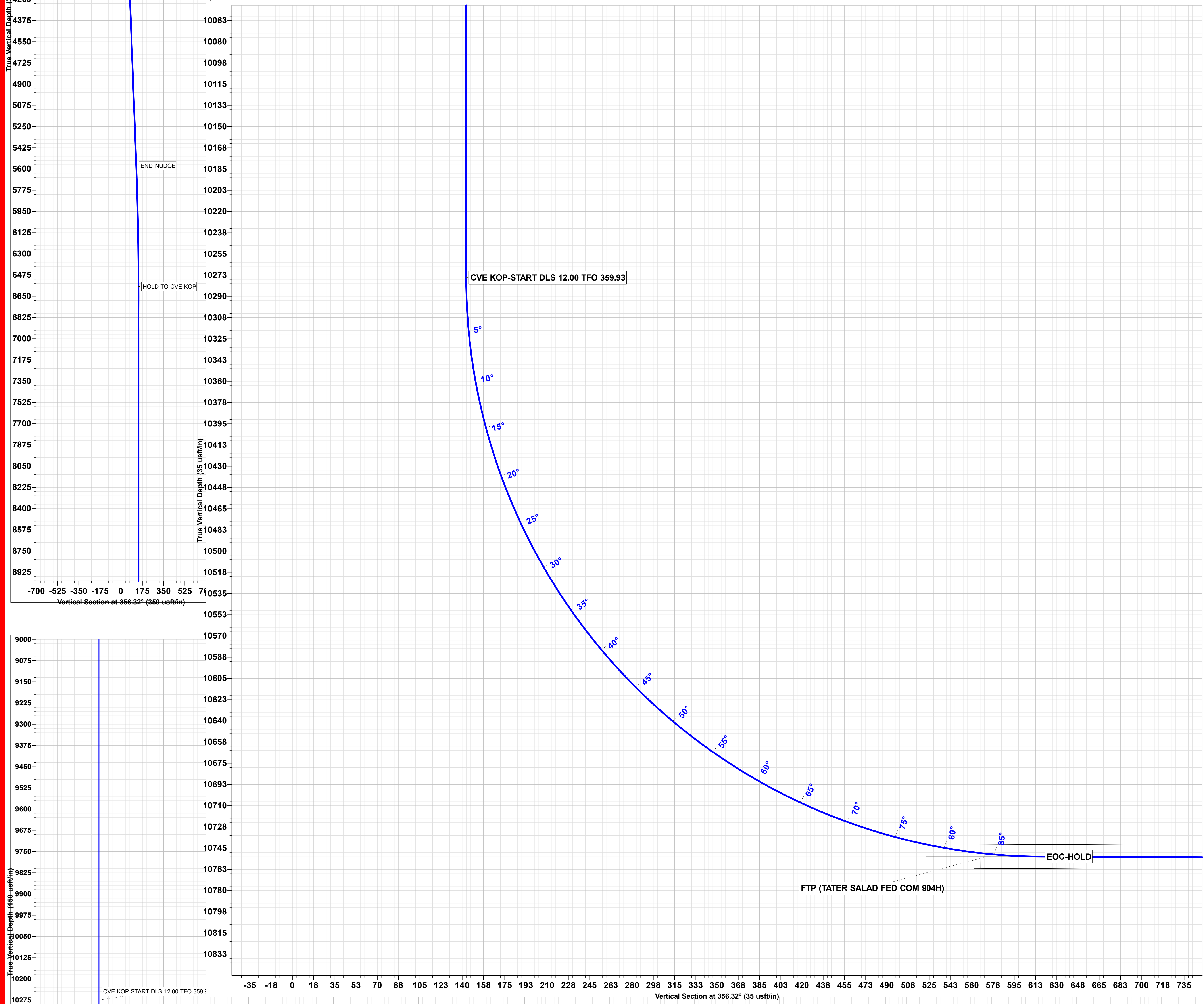


Project: ATLAS PROSPECT_NME					
Site: TATER SALAD & MOMBA FEDERAL					
Well: TATER SALAD FEDERAL COM 904H					
Wellbore: OWB					
Design: PWP2					
GL: 2913.00					
RKB=32ft @ 2945.00usft					

WELL DETAILS: TATER SALAD FEDERAL COM 904H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	376469.40	592315.10	32° 2' 4.844 N	104° 2' 7.534 W

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (TATER SALAD FED COM 904H)	10752.00	530.70	-666.40	377000.10	591648.70
LTP (TATER SALAD FED COM 904H)	10784.57	10418.30	-677.60	386887.70	591637.50
PBHL (TATER SALAD FED COM 904H)	10785.00	10548.30	-677.70	387017.70	591637.40

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	
2499.94	10.00	278.61	2497.41	6.52	-43.02	2.00	278.61	9.26	
5624.17	10.00	278.61	5574.18	87.77	-679.36	0.00	0.00	124.73	
6624.05	0.00	0.00	6569.00	100.80	-665.40	1.00	180.00	143.25	
10329.59	0.00	0.00	10274.54	100.80	-665.40	0.00	0.00	143.25	
11078.01	89.81	359.93	10752.00	576.68	-665.96	12.00	359.93	618.20	
21049.69	89.81	359.93	10785.00	10548.30	-677.70	0.00	0.00	10570.05	



ConocoPhillips Company - TATER SALAD FED COM 904H

1. Geologic Formations

TVD of target	10,752' EOL	Pilot hole depth	NA
MD at TD:	21,050'	Deepest expected fresh water:	0'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	465	Water	
Top of Salt	595	Salt	
Base of Salt	2462	Salt	
Lamar	2660	Salt Water	
Bell Canyon	2710	Salt Water	
Cherry Canyon	3512	Oil/Gas	
Brushy Canyon	4855	Oil/Gas	
Bone Spring	6373	Oil/Gas	
1st Bone Spring Sand	7268	Oil/Gas	
2nd Bone Spring Sand	7965	Oil/Gas	
3rd Bone Spring Sand	9113	Oil/Gas	
Wolfcamp	9466	Oil/Gas	
Wolfcamp A	9576	Oil/Gas	
Wolfcamp B	9922	Oil/Gas	
Wolfcamp C	10452	Target	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	450	10.75"	45.5	J55	BTC	10.15	1.14	34.92	38.88
9.875"	0	7500	7.625"	29.7	L80-ICY	BTC	1.51	1.13	3.26	3.29
8.750"	7500	10300	7.625"	29.7	P110-ICY	W513	1.37	1.71	3.49	2.10
6.75"	0	10100	5.5"	23	P110-CY	BTC	2.05	2.39	3.14	3.14
6.75"	10100	21,050	5.5"	23	P110-CY	W441	1.93	2.24	2.95	2.68
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	2.54	34.78	37.06
12.25"	0	2560	9.625"	40	L80-IC	BTC	2.91	1.43	8.95	9.25
8.75"	2360	10300	7.625"	29.7	P110-ICY	W513	1.37	1.71	3.49	2.10
6.75"	0	10100	5.5"	23	P110-CY	BTC	2.05	2.39	3.14	3.14
6.75"	10100	21,050	5.5"	23	P110-CY	W441	1.93	2.24	2.95	2.68
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

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

All casing strings will be tested in accordance with 43 CFR Part 3170 Subpart 3172

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

The 5 1/2" W441 casing will be run back 200' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

February 4, 2026

1

ConocoPhillips Company - TATER SALAD FED COM 904H

	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 904H

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	750	10.3	3.3	22	24	Halliburton tuned light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	640	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	820	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

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

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

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

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
Production	9,800'	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)	300	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	510	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	820	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	2,360'	20%
Production	10,050'	20% OH in Lateral (KOP to EOL)

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

ConocoPhillips Company - TATER SALAD FED COM 904H

4. Pressure Control Equipment

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

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

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR Part 3170 Subpart 3172 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

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

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with 43 CFR Part 3170 Subpart 3172.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
N	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per 43 CFR Part 3170 Subpart 3172 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

ConocoPhillips Company - TATER SALAD FED COM 904H

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 904H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	7550 psi at 10752' TVD
Abnormal Temperature	NO 165 Deg. F.

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

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

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

8. Other Facets of Operation

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

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

DELAWARE BASIN WEST

ATLAS PROSPECT_NME

TATER SALAD & MOMBA FEDERAL

TATER SALAD FEDERAL COM 904H

300155731400

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 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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

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

Well	TATER SALAD FEDERAL COM 904H					
Well Position	+N/-S	0.00 usft	Northing:	376,469.40 usft	Latitude:	32° 2' 4.844 N
	+E/-W	0.00 usft	Easting:	592,315.10 usft	Longitude:	104° 2' 7.534 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,913.00 usft
Grid Convergence:		0.16 °				

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2025	5/1/2026	6.38	59.49	46,995.22628981

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	356.32

Plan Survey Tool Program		Date	2/3/2026		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	2,000.00 PWP2 (OWB)	r.5 MWD+IFR1+SAG+FDIR OWSG MWD + IFR1 + SAG +		
2	2,000.00	10,329.59 PWP2 (OWB)	r.5 MWD+IFR1 OWSG MWD + IFR1 rev.5		
3	10,329.59	21,049.69 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 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,499.94	10.00	278.61	2,497.41	6.52	-43.02	2.00	2.00	0.00	278.61	
5,624.17	10.00	278.61	5,574.18	87.77	-579.36	0.00	0.00	0.00	0.00	
6,624.05	0.00	0.00	6,569.00	100.80	-665.40	1.00	-1.00	0.00	180.00	
10,329.59	0.00	0.00	10,274.54	100.80	-665.40	0.00	0.00	0.00	0.00	
11,078.01	89.81	359.93	10,752.00	576.68	-665.96	12.00	12.00	-0.01	359.93	
21,049.69	89.81	359.93	10,785.00	10,548.30	-677.70	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 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	2.00	278.61	2,099.98	0.26	-1.73	0.37	2.00	2.00	0.00
2,200.00	4.00	278.61	2,199.84	1.05	-6.90	1.49	2.00	2.00	0.00
2,300.00	6.00	278.61	2,299.45	2.35	-15.52	3.34	2.00	2.00	0.00
2,400.00	8.00	278.61	2,398.70	4.18	-27.57	5.93	2.00	2.00	0.00
2,499.94	10.00	278.61	2,497.41	6.52	-43.02	9.26	2.00	2.00	0.00
2,600.00	10.00	278.61	2,595.95	9.12	-60.20	12.96	0.00	0.00	0.00
2,700.00	10.00	278.61	2,694.43	11.72	-77.37	16.66	0.00	0.00	0.00
2,800.00	10.00	278.61	2,792.91	14.32	-94.53	20.35	0.00	0.00	0.00
2,900.00	10.00	278.61	2,891.39	16.92	-111.70	24.05	0.00	0.00	0.00
3,000.00	10.00	278.61	2,989.87	19.52	-128.87	27.74	0.00	0.00	0.00
3,100.00	10.00	278.61	3,088.35	22.12	-146.03	31.44	0.00	0.00	0.00
3,200.00	10.00	278.61	3,186.83	24.72	-163.20	35.14	0.00	0.00	0.00
3,300.00	10.00	278.61	3,285.31	27.32	-180.37	38.83	0.00	0.00	0.00
3,400.00	10.00	278.61	3,383.80	29.92	-197.53	42.53	0.00	0.00	0.00
3,500.00	10.00	278.61	3,482.28	32.52	-214.70	46.22	0.00	0.00	0.00
3,600.00	10.00	278.61	3,580.76	35.13	-231.87	49.92	0.00	0.00	0.00
3,700.00	10.00	278.61	3,679.24	37.73	-249.04	53.62	0.00	0.00	0.00
3,800.00	10.00	278.61	3,777.72	40.33	-266.20	57.31	0.00	0.00	0.00
3,900.00	10.00	278.61	3,876.20	42.93	-283.37	61.01	0.00	0.00	0.00
4,000.00	10.00	278.61	3,974.68	45.53	-300.54	64.70	0.00	0.00	0.00
4,100.00	10.00	278.61	4,073.16	48.13	-317.70	68.40	0.00	0.00	0.00
4,200.00	10.00	278.61	4,171.64	50.73	-334.87	72.09	0.00	0.00	0.00
4,300.00	10.00	278.61	4,270.13	53.33	-352.04	75.79	0.00	0.00	0.00
4,400.00	10.00	278.61	4,368.61	55.93	-369.20	79.49	0.00	0.00	0.00
4,500.00	10.00	278.61	4,467.09	58.53	-386.37	83.18	0.00	0.00	0.00
4,600.00	10.00	278.61	4,565.57	61.13	-403.54	86.88	0.00	0.00	0.00
4,700.00	10.00	278.61	4,664.05	63.73	-420.70	90.57	0.00	0.00	0.00
4,800.00	10.00	278.61	4,762.53	66.33	-437.87	94.27	0.00	0.00	0.00
4,900.00	10.00	278.61	4,861.01	68.93	-455.04	97.97	0.00	0.00	0.00
5,000.00	10.00	278.61	4,959.49	71.53	-472.21	101.66	0.00	0.00	0.00
5,100.00	10.00	278.61	5,057.97	74.13	-489.37	105.36	0.00	0.00	0.00
5,200.00	10.00	278.61	5,156.46	76.73	-506.54	109.05	0.00	0.00	0.00
5,300.00	10.00	278.61	5,254.94	79.34	-523.71	112.75	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	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)	
5,400.00	10.00	278.61	5,353.42	81.94	-540.87	116.45	0.00	0.00	0.00	
5,500.00	10.00	278.61	5,451.90	84.54	-558.04	120.14	0.00	0.00	0.00	
5,600.00	10.00	278.61	5,550.38	87.14	-575.21	123.84	0.00	0.00	0.00	
5,624.17	10.00	278.61	5,574.18	87.77	-579.36	124.73	0.00	0.00	0.00	
5,700.00	9.24	278.61	5,648.95	89.66	-591.89	127.43	1.00	-1.00	0.00	
5,800.00	8.24	278.61	5,747.78	91.94	-606.91	130.66	1.00	-1.00	0.00	
5,900.00	7.24	278.61	5,846.87	93.96	-620.23	133.53	1.00	-1.00	0.00	
6,000.00	6.24	278.61	5,946.18	95.71	-631.83	136.03	1.00	-1.00	0.00	
6,100.00	5.24	278.61	6,045.68	97.21	-641.72	138.16	1.00	-1.00	0.00	
6,200.00	4.24	278.61	6,145.33	98.45	-649.89	139.92	1.00	-1.00	0.00	
6,300.00	3.24	278.61	6,245.12	99.43	-656.34	141.30	1.00	-1.00	0.00	
6,400.00	2.24	278.61	6,345.00	100.14	-661.07	142.32	1.00	-1.00	0.00	
6,500.00	1.24	278.61	6,444.96	100.60	-664.07	142.97	1.00	-1.00	0.00	
6,600.00	0.24	278.61	6,544.95	100.79	-665.35	143.24	1.00	-1.00	0.00	
6,624.05	0.00	0.00	6,569.00	100.80	-665.40	143.25	1.00	-1.00	0.00	
6,700.00	0.00	0.00	6,644.95	100.80	-665.40	143.25	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,744.95	100.80	-665.40	143.25	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,844.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,944.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,100.00	0.00	0.00	7,044.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,200.00	0.00	0.00	7,144.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,244.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,344.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,444.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,544.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,644.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,744.95	100.80	-665.40	143.25	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,844.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,944.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,100.00	0.00	0.00	8,044.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,200.00	0.00	0.00	8,144.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,244.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,344.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,444.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,544.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,644.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,800.00	0.00	0.00	8,744.95	100.80	-665.40	143.25	0.00	0.00	0.00	
8,900.00	0.00	0.00	8,844.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,000.00	0.00	0.00	8,944.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,100.00	0.00	0.00	9,044.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,200.00	0.00	0.00	9,144.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,300.00	0.00	0.00	9,244.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,400.00	0.00	0.00	9,344.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,500.00	0.00	0.00	9,444.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,600.00	0.00	0.00	9,544.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,700.00	0.00	0.00	9,644.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,800.00	0.00	0.00	9,744.95	100.80	-665.40	143.25	0.00	0.00	0.00	
9,900.00	0.00	0.00	9,844.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,000.00	0.00	0.00	9,944.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,100.00	0.00	0.00	10,044.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,200.00	0.00	0.00	10,144.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,300.00	0.00	0.00	10,244.95	100.80	-665.40	143.25	0.00	0.00	0.00	
10,329.59	0.00	0.00	10,274.54	100.80	-665.40	143.25	0.00	0.00	0.00	
10,350.00	2.45	359.93	10,294.94	101.24	-665.40	143.69	12.00	12.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,375.00	5.45	359.93	10,319.88	102.96	-665.40	145.41	12.00	12.00	0.00	
10,400.00	8.45	359.93	10,344.69	105.98	-665.41	148.43	12.00	12.00	0.00	
10,425.00	11.45	359.93	10,369.31	110.30	-665.41	152.74	12.00	12.00	0.00	
10,450.00	14.45	359.93	10,393.67	115.90	-665.42	158.33	12.00	12.00	0.00	
10,475.00	17.45	359.93	10,417.71	122.77	-665.43	165.18	12.00	12.00	0.00	
10,500.00	20.45	359.93	10,441.35	130.89	-665.44	173.28	12.00	12.00	0.00	
10,525.00	23.45	359.93	10,464.54	140.23	-665.45	182.61	12.00	12.00	0.00	
10,550.00	26.45	359.93	10,487.20	150.78	-665.46	193.13	12.00	12.00	0.00	
10,575.00	29.45	359.93	10,509.28	162.49	-665.47	204.82	12.00	12.00	0.00	
10,600.00	32.45	359.93	10,530.72	175.35	-665.49	217.65	12.00	12.00	0.00	
10,625.00	35.45	359.93	10,551.46	189.31	-665.50	231.59	12.00	12.00	0.00	
10,650.00	38.45	359.93	10,571.43	204.33	-665.52	246.58	12.00	12.00	0.00	
10,675.00	41.45	359.93	10,590.60	220.38	-665.54	262.60	12.00	12.00	0.00	
10,700.00	44.45	359.93	10,608.89	237.41	-665.56	279.60	12.00	12.00	0.00	
10,725.00	47.45	359.93	10,626.27	255.38	-665.58	297.53	12.00	12.00	0.00	
10,750.00	50.45	359.93	10,642.69	274.23	-665.60	316.34	12.00	12.00	0.00	
10,775.00	53.45	359.93	10,658.10	293.92	-665.63	335.99	12.00	12.00	0.00	
10,800.00	56.45	359.93	10,672.45	314.38	-665.65	356.41	12.00	12.00	0.00	
10,825.00	59.45	359.93	10,685.72	335.57	-665.68	377.56	12.00	12.00	0.00	
10,850.00	62.45	359.93	10,697.86	357.42	-665.70	399.36	12.00	12.00	0.00	
10,875.00	65.45	359.93	10,708.84	379.88	-665.73	421.78	12.00	12.00	0.00	
10,900.00	68.45	359.93	10,718.62	402.88	-665.76	444.73	12.00	12.00	0.00	
10,925.00	71.45	359.93	10,727.19	426.36	-665.78	468.17	12.00	12.00	0.00	
10,950.00	74.45	359.93	10,734.52	450.26	-665.81	492.02	12.00	12.00	0.00	
10,975.00	77.45	359.93	10,740.59	474.51	-665.84	516.22	12.00	12.00	0.00	
11,000.00	80.45	359.93	10,745.38	499.04	-665.87	540.71	12.00	12.00	0.00	
11,025.00	83.45	359.93	10,748.89	523.79	-665.90	565.41	12.00	12.00	0.00	
11,050.00	86.45	359.93	10,751.09	548.69	-665.93	590.26	12.00	12.00	0.00	
11,075.00	89.45	359.93	10,751.98	573.67	-665.96	615.19	12.00	12.00	0.00	
11,078.01	89.81	359.93	10,752.00	576.68	-665.96	618.20	12.00	12.00	0.00	
11,100.00	89.81	359.93	10,752.07	598.67	-665.99	640.14	0.00	0.00	0.00	
11,200.00	89.81	359.93	10,752.40	698.67	-666.10	739.94	0.00	0.00	0.00	
11,300.00	89.81	359.93	10,752.74	798.67	-666.22	839.74	0.00	0.00	0.00	
11,400.00	89.81	359.93	10,753.07	898.67	-666.34	939.54	0.00	0.00	0.00	
11,500.00	89.81	359.93	10,753.40	998.67	-666.46	1,039.34	0.00	0.00	0.00	
11,600.00	89.81	359.93	10,753.73	1,098.67	-666.57	1,139.15	0.00	0.00	0.00	
11,700.00	89.81	359.93	10,754.06	1,198.67	-666.69	1,238.95	0.00	0.00	0.00	
11,800.00	89.81	359.93	10,754.39	1,298.67	-666.81	1,338.75	0.00	0.00	0.00	
11,900.00	89.81	359.93	10,754.72	1,398.67	-666.93	1,438.55	0.00	0.00	0.00	
12,000.00	89.81	359.93	10,755.05	1,498.67	-667.05	1,538.35	0.00	0.00	0.00	
12,100.00	89.81	359.93	10,755.38	1,598.67	-667.16	1,638.15	0.00	0.00	0.00	
12,200.00	89.81	359.93	10,755.71	1,698.67	-667.28	1,737.95	0.00	0.00	0.00	
12,300.00	89.81	359.93	10,756.04	1,798.66	-667.40	1,837.75	0.00	0.00	0.00	
12,400.00	89.81	359.93	10,756.38	1,898.66	-667.52	1,937.56	0.00	0.00	0.00	
12,500.00	89.81	359.93	10,756.71	1,998.66	-667.63	2,037.36	0.00	0.00	0.00	
12,600.00	89.81	359.93	10,757.04	2,098.66	-667.75	2,137.16	0.00	0.00	0.00	
12,700.00	89.81	359.93	10,757.37	2,198.66	-667.87	2,236.96	0.00	0.00	0.00	
12,800.00	89.81	359.93	10,757.70	2,298.66	-667.99	2,336.76	0.00	0.00	0.00	
12,900.00	89.81	359.93	10,758.03	2,398.66	-668.11	2,436.56	0.00	0.00	0.00	
13,000.00	89.81	359.93	10,758.36	2,498.66	-668.22	2,536.36	0.00	0.00	0.00	
13,100.00	89.81	359.93	10,758.69	2,598.66	-668.34	2,636.16	0.00	0.00	0.00	
13,200.00	89.81	359.93	10,759.02	2,698.66	-668.46	2,735.97	0.00	0.00	0.00	
13,300.00	89.81	359.93	10,759.35	2,798.66	-668.58	2,835.77	0.00	0.00	0.00	
13,400.00	89.81	359.93	10,759.68	2,898.66	-668.69	2,935.57	0.00	0.00	0.00	

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Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	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)	
13,500.00	89.81	359.93	10,760.02	2,998.66	-668.81	3,035.37	0.00	0.00	0.00	
13,600.00	89.81	359.93	10,760.35	3,098.66	-668.93	3,135.17	0.00	0.00	0.00	
13,700.00	89.81	359.93	10,760.68	3,198.66	-669.05	3,234.97	0.00	0.00	0.00	
13,800.00	89.81	359.93	10,761.01	3,298.66	-669.16	3,334.77	0.00	0.00	0.00	
13,900.00	89.81	359.93	10,761.34	3,398.65	-669.28	3,434.57	0.00	0.00	0.00	
14,000.00	89.81	359.93	10,761.67	3,498.65	-669.40	3,534.37	0.00	0.00	0.00	
14,100.00	89.81	359.93	10,762.00	3,598.65	-669.52	3,634.18	0.00	0.00	0.00	
14,200.00	89.81	359.93	10,762.33	3,698.65	-669.64	3,733.98	0.00	0.00	0.00	
14,300.00	89.81	359.93	10,762.66	3,798.65	-669.75	3,833.78	0.00	0.00	0.00	
14,400.00	89.81	359.93	10,762.99	3,898.65	-669.87	3,933.58	0.00	0.00	0.00	
14,500.00	89.81	359.93	10,763.33	3,998.65	-669.99	4,033.38	0.00	0.00	0.00	
14,600.00	89.81	359.93	10,763.66	4,098.65	-670.11	4,133.18	0.00	0.00	0.00	
14,700.00	89.81	359.93	10,763.99	4,198.65	-670.22	4,232.98	0.00	0.00	0.00	
14,800.00	89.81	359.93	10,764.32	4,298.65	-670.34	4,332.78	0.00	0.00	0.00	
14,900.00	89.81	359.93	10,764.65	4,398.65	-670.46	4,432.59	0.00	0.00	0.00	
15,000.00	89.81	359.93	10,764.98	4,498.65	-670.58	4,532.39	0.00	0.00	0.00	
15,100.00	89.81	359.93	10,765.31	4,598.65	-670.70	4,632.19	0.00	0.00	0.00	
15,200.00	89.81	359.93	10,765.64	4,698.65	-670.81	4,731.99	0.00	0.00	0.00	
15,300.00	89.81	359.93	10,765.97	4,798.65	-670.93	4,831.79	0.00	0.00	0.00	
15,400.00	89.81	359.93	10,766.30	4,898.65	-671.05	4,931.59	0.00	0.00	0.00	
15,500.00	89.81	359.93	10,766.63	4,998.65	-671.17	5,031.39	0.00	0.00	0.00	
15,600.00	89.81	359.93	10,766.97	5,098.64	-671.28	5,131.19	0.00	0.00	0.00	
15,700.00	89.81	359.93	10,767.30	5,198.64	-671.40	5,230.99	0.00	0.00	0.00	
15,800.00	89.81	359.93	10,767.63	5,298.64	-671.52	5,330.80	0.00	0.00	0.00	
15,900.00	89.81	359.93	10,767.96	5,398.64	-671.64	5,430.60	0.00	0.00	0.00	
16,000.00	89.81	359.93	10,768.29	5,498.64	-671.75	5,530.40	0.00	0.00	0.00	
16,100.00	89.81	359.93	10,768.62	5,598.64	-671.87	5,630.20	0.00	0.00	0.00	
16,200.00	89.81	359.93	10,768.95	5,698.64	-671.99	5,730.00	0.00	0.00	0.00	
16,300.00	89.81	359.93	10,769.28	5,798.64	-672.11	5,829.80	0.00	0.00	0.00	
16,400.00	89.81	359.93	10,769.61	5,898.64	-672.23	5,929.60	0.00	0.00	0.00	
16,500.00	89.81	359.93	10,769.94	5,998.64	-672.34	6,029.40	0.00	0.00	0.00	
16,600.00	89.81	359.93	10,770.27	6,098.64	-672.46	6,129.21	0.00	0.00	0.00	
16,700.00	89.81	359.93	10,770.61	6,198.64	-672.58	6,229.01	0.00	0.00	0.00	
16,800.00	89.81	359.93	10,770.94	6,298.64	-672.70	6,328.81	0.00	0.00	0.00	
16,900.00	89.81	359.93	10,771.27	6,398.64	-672.81	6,428.61	0.00	0.00	0.00	
17,000.00	89.81	359.93	10,771.60	6,498.64	-672.93	6,528.41	0.00	0.00	0.00	
17,100.00	89.81	359.93	10,771.93	6,598.64	-673.05	6,628.21	0.00	0.00	0.00	
17,200.00	89.81	359.93	10,772.26	6,698.63	-673.17	6,728.01	0.00	0.00	0.00	
17,300.00	89.81	359.93	10,772.59	6,798.63	-673.29	6,827.81	0.00	0.00	0.00	
17,400.00	89.81	359.93	10,772.92	6,898.63	-673.40	6,927.61	0.00	0.00	0.00	
17,500.00	89.81	359.93	10,773.25	6,998.63	-673.52	7,027.42	0.00	0.00	0.00	
17,600.00	89.81	359.93	10,773.58	7,098.63	-673.64	7,127.22	0.00	0.00	0.00	
17,700.00	89.81	359.93	10,773.91	7,198.63	-673.76	7,227.02	0.00	0.00	0.00	
17,800.00	89.81	359.93	10,774.25	7,298.63	-673.87	7,326.82	0.00	0.00	0.00	
17,900.00	89.81	359.93	10,774.58	7,398.63	-673.99	7,426.62	0.00	0.00	0.00	
18,000.00	89.81	359.93	10,774.91	7,498.63	-674.11	7,526.42	0.00	0.00	0.00	
18,100.00	89.81	359.93	10,775.24	7,598.63	-674.23	7,626.22	0.00	0.00	0.00	
18,200.00	89.81	359.93	10,775.57	7,698.63	-674.35	7,726.02	0.00	0.00	0.00	
18,300.00	89.81	359.93	10,775.90	7,798.63	-674.46	7,825.83	0.00	0.00	0.00	
18,400.00	89.81	359.93	10,776.23	7,898.63	-674.58	7,925.63	0.00	0.00	0.00	
18,500.00	89.81	359.93	10,776.56	7,998.63	-674.70	8,025.43	0.00	0.00	0.00	
18,600.00	89.81	359.93	10,776.89	8,098.63	-674.82	8,125.23	0.00	0.00	0.00	
18,700.00	89.81	359.93	10,777.22	8,198.63	-674.93	8,225.03	0.00	0.00	0.00	
18,800.00	89.81	359.93	10,777.56	8,298.62	-675.05	8,324.83	0.00	0.00	0.00	

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Planning Report

Database:	EDT 17 Permian Prod	Local Co-ordinate Reference:	Well TATER SALAD FEDERAL COM 904H
Company:	DELAWARE BASIN WEST	TVD Reference:	RKB=32ft @ 2945.00usft
Project:	ATLAS PROSPECT_NME	MD Reference:	RKB=32ft @ 2945.00usft
Site:	TATER SALAD & MOMBA FEDERAL	North Reference:	Grid
Well:	TATER SALAD FEDERAL COM 904H	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)
18,900.00	89.81	359.93	10,777.89	8,398.62	-675.17	8,424.63	0.00	0.00	0.00
19,000.00	89.81	359.93	10,778.22	8,498.62	-675.29	8,524.43	0.00	0.00	0.00
19,100.00	89.81	359.93	10,778.55	8,598.62	-675.40	8,624.23	0.00	0.00	0.00
19,200.00	89.81	359.93	10,778.88	8,698.62	-675.52	8,724.04	0.00	0.00	0.00
19,300.00	89.81	359.93	10,779.21	8,798.62	-675.64	8,823.84	0.00	0.00	0.00
19,400.00	89.81	359.93	10,779.54	8,898.62	-675.76	8,923.64	0.00	0.00	0.00
19,500.00	89.81	359.93	10,779.87	8,998.62	-675.88	9,023.44	0.00	0.00	0.00
19,600.00	89.81	359.93	10,780.20	9,098.62	-675.99	9,123.24	0.00	0.00	0.00
19,700.00	89.81	359.93	10,780.53	9,198.62	-676.11	9,223.04	0.00	0.00	0.00
19,800.00	89.81	359.93	10,780.86	9,298.62	-676.23	9,322.84	0.00	0.00	0.00
19,900.00	89.81	359.93	10,781.20	9,398.62	-676.35	9,422.64	0.00	0.00	0.00
20,000.00	89.81	359.93	10,781.53	9,498.62	-676.46	9,522.45	0.00	0.00	0.00
20,100.00	89.81	359.93	10,781.86	9,598.62	-676.58	9,622.25	0.00	0.00	0.00
20,200.00	89.81	359.93	10,782.19	9,698.62	-676.70	9,722.05	0.00	0.00	0.00
20,300.00	89.81	359.93	10,782.52	9,798.62	-676.82	9,821.85	0.00	0.00	0.00
20,400.00	89.81	359.93	10,782.85	9,898.61	-676.94	9,921.65	0.00	0.00	0.00
20,500.00	89.81	359.93	10,783.18	9,998.61	-677.05	10,021.45	0.00	0.00	0.00
20,600.00	89.81	359.93	10,783.51	10,098.61	-677.17	10,121.25	0.00	0.00	0.00
20,700.00	89.81	359.93	10,783.84	10,198.61	-677.29	10,221.05	0.00	0.00	0.00
20,800.00	89.81	359.93	10,784.17	10,298.61	-677.41	10,320.86	0.00	0.00	0.00
20,900.00	89.81	359.93	10,784.50	10,398.61	-677.52	10,420.66	0.00	0.00	0.00
21,000.00	89.81	359.93	10,784.84	10,498.61	-677.64	10,520.46	0.00	0.00	0.00
21,049.69	89.81	359.93	10,785.00	10,548.30	-677.70	10,570.05	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (TATER SALAD FE - hit/miss target - Shape)	0.00	0.00	10,752.00	530.70	-666.40	377,000.10	591,648.70	32° 2' 10.115 N	104° 2' 15.258 W
- plan misses target center by 2.41usft at 11032.16usft MD (10749.65 TVD, 530.91 N, -665.91 E)									
- Circle (radius 50.00)									
LTP (TATER SALAD FEI - plan misses target center by 0.05usft at 20919.69usft MD (10784.57 TVD, 10418.30 N, -677.55 E) - Point)	0.00	0.00	10,784.57	10,418.30	-677.60	386,887.70	591,637.50	32° 3' 47.968 N	104° 2' 15.074 W
PBHL (TATER SALAD F - plan hits target center - Rectangle (sides W90.00 H10,025.80 D20.00))	-0.19	179.93	10,785.00	10,548.30	-677.70	387,017.70	591,637.40	32° 3' 49.254 N	104° 2' 15.071 W

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.00	2,000.00	0.00	0.00	NUDGE @ DLS 2.00
2,499.94	2,497.41	6.52	-43.02	HOLD TNGT
5,624.17	5,574.18	87.77	-579.36	END NUDGE
6,624.05	6,569.00	100.80	-665.40	HOLD TO CVE KOP
10,329.59	10,274.54	100.80	-665.40	CVE KOP-START DLS 12.00 TFO 359.93
11,078.01	10,752.00	576.68	-665.96	EOC-HOLD
21,049.69	10,785.00	10,548.30	-677.70	TD @ 21049.69 MD / 10570.05 VS

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)

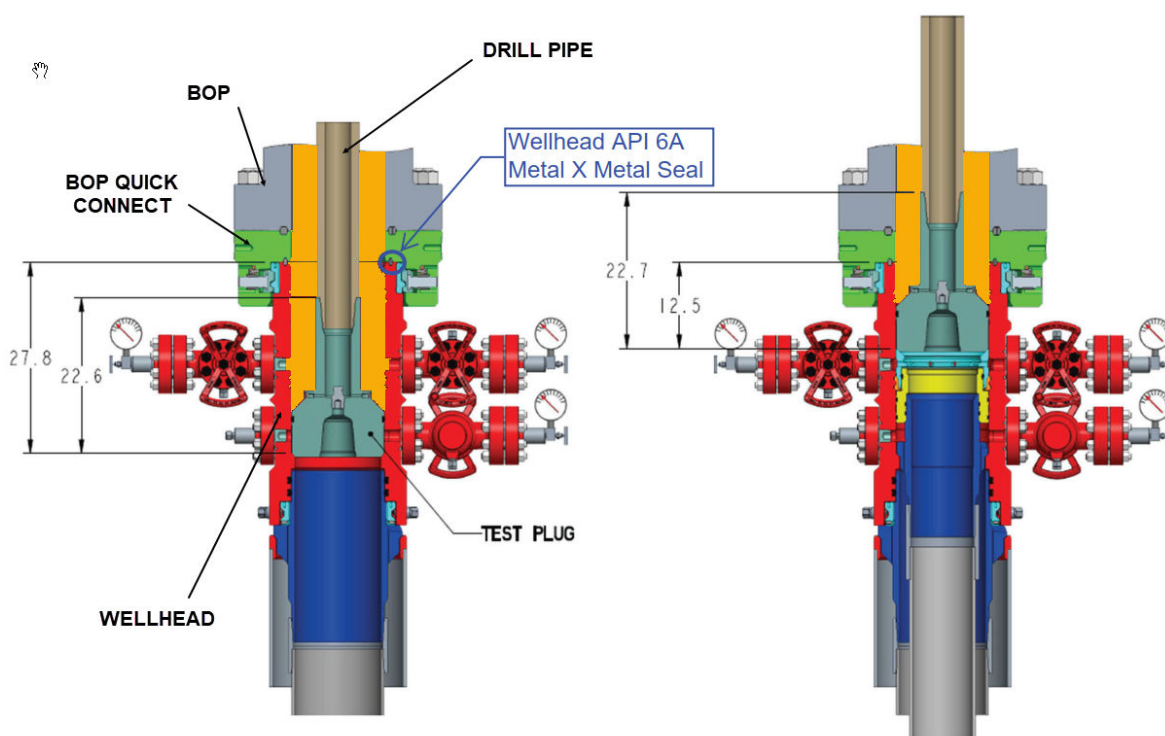


Figure 1: Test plug installed (The orange sections above indicate the areas exposed to the pressure test)

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.

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 556221

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 556221
	Action Type: [C-103A] NOI Change of Plans (C-103A)

CONDITIONS

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